

BIBLIOGRAPHY

- Albarella, U, 2003 Tanners, tawyers, horn trade and the mystery of the missing goat, in P Murphy and P Wiltshire (eds), *The environmental archaeology of industry*, Oxford, 71-86
- Albarella, U, 2007 The end of the Sheep Age: people and animals in the late Iron Age, in C Haselgrove and T Moore (eds), *The later Iron Age in Britain and beyond*, Oxford, 389-402
- Albarella, U, Beech, M, and Mulville, J, 1997 *The Saxon, medieval and post-medieval mammal and bird bones excavated 1989-1991 from Castle Mall, Norwich (Norfolk)*, Ancient Monuments Lab Rep, **72/97**, unpubl rep
- Albarella, U, and Davis, S J M, 1996 Mammals and birds from Launceston castle, Cornwall: decline in status and the rise of agriculture, *Circaea*, **12**, 1-156
- Albarella, U, and Payne, S, 2005 Neolithic pigs from Durrington Walls, Wiltshire, England: a biometrical database, *J Archaeol Sci*, **32(4)**, 589-99
- Alfoldy, G, 1967 *Epigraphische Studien*, **4**, Köln
- Allason-Jones, L, 1985 Bell-shaped studs? in M C Bishop (ed), *The production and distribution of Roman military equipment: proceedings of the second Roman Military Equipment Seminar*, BAR Int Ser, **S275**, Oxford, 95-108
- Allason-Jones, L, 1989a The small finds, in M C Bishop and J N Dore, *Corbridge: excavations of the Roman fort and town, 1947-80*, Engl Heritage Archaeol Rep, **8**, London, 159-218
- Allason-Jones, L, 1989b *Women in Roman Britain*, London
- Allason-Jones, L, 1996 *Roman jet in the Yorkshire Museum*, York
- Allason-Jones, L, 2009 Some problems of the Roman Iron Age in Northern England, in W H Hanson (ed), *The army and the frontiers of Rome*, J Roman Archaeol, Suppl Ser, **74**, Portsmouth, 218-24
- Allason-Jones, L, 2013 The *vicus* at Housesteads: a case study in material culture and Roman life, in R Collins and M Symonds (eds), *Breaking down boundaries: Hadrian's Wall in the 21st century*, Portsmouth, Rhode Island, 71-84
- Allason-Jones, L, and Bishop, M C, 1988 *Excavations at Roman Corbridge: the hoard*, Engl Heritage Archaeol Rep, **7**, London
- Allason-Jones, L, and Miket, R, 1984 *The catalogue of small finds from South Shields Roman fort*, Soc Antiq Newcastle upon Tyne Monog Ser, **2**, Newcastle upon Tyne
- Allison, E P, Carrott, J, Hall, A, Kenward, H K, Large, F, McKenna, B, and Robertson, A, 1997 *Plant and invertebrate remains from Iron Age and Romano-British deposits at North Cave, East Yorkshire*, Rep Environ Archaeol Unit, York, **97/37**, unpubl rep
- Anderson, A C, 1980 *A guide to Roman fine wares*, VORDA Res Ser, **1**, Highworth
- Andrews, A H, and Noddle, B, 1975 Absence of premolar teeth from ruminant mandibles found at archaeological sites, *J Archaeol Sci*, **2**, 137-44
- Anon, 1979 A table of British Implement Petrology groups, in T H McK Clough and W A Cummins (eds), *Stone axe studies: archaeological petrological, experimental and ethnographic*, CBA Res Rep, **23**, London, 127
- Arrowsmith, P, and Powers, D, 2012 *Roman Nantwich, a salt-making settlement: excavations at Kingsley Fields 2002*, BAR Brit Ser, **557**, Oxford
- Atici, L, 2006 Who let the dogs out? Bone destruction and its broader implications in interpreting the Bronze Age pastoral economies at Kaman Kalehoyuk, *Anatolian Archaeol Stud*, **15**, 121-31
- Atkinson, D, 1942 *Report on excavations at Wroxeter (the Roman city of Viroconium) in the county of Salop, 1923-1927*, Oxford
- Austen, P S, 1991 *Bewcastle and Old Penrith: a Roman outpost fort and a frontier vicus, excavations, 1977-78*, Cumberland Westmorland Antiq Archaeol Soc, Res Ser, **6**, Kendal
- Bailey, D, 1972 *Greek and Roman pottery lamps*, London
- Baillie, M G L, 1982 *Tree-ring dating and archaeology*, London
- Baillie, M G L, and Pilcher, J R, 1973 A simple cross-dating program for tree-ring research, *Tree Ring Bull*, **33**, 7-14
- Baker, F T, 1936 Roman pottery kiln at Lincoln, *Lincolnshire Mag*, **3.7**, 187-90
- Baker, J, and Brothwell, D, 1980 *Animal diseases in archaeology*, London

- Baker, P, 1998 *The vertebrate remains from Scole - Dickleburgh, excavated in 1993 (Norfolk and Suffolk), A140 and A143 road improvement project*, Ancient Monuments Lab Rep, **29/1998**, unpubl rep
- Barratt, M, 1983 *Oak swill basket-making in the Lake District*, Kendal
- Bartosiewicz, L, van Neer, W, and Lentaker, A, 1993 Metapodial asymmetry in draft (sic) cattle, *Int J Osteoarchaeol*, **3**, 69-75
- Bass, W M, 1995 *Human osteology: a laboratory and field manual*, 6th edn, Missouri
- Bastien, P, and Metzger, C, 1977 *Le Tresor de Beavais: dit d'Arras*, Memoires de la Commission departementale des monuments historiques du Pas-de-Calais, **17**, Wetteren
- Bates, A, Jones, G, and Orton, D, 2007 Animal bone from the Ferry Fryston chariot burial, in F Brown, C Howard-Davis, M Brennand, A Boyle, T Evans, S O'Connor, A Spence, R Heawood, and A Lupton, *The archaeology of the A1(M) Darrington to Dishforth DBFO Road Scheme*, Lancaster Imprints, **12**, Lancaster, 148-50
- Bauer, M, and Patzelt, D, 2002 Intracranial stab injuries: case report and case study, *Forensic Sci Int*, **129**, 122-7
- Baxter, I L, 1993 An eagle *Haliaeetus albicilla* (L), skull from Roman Leicester, England, with some speculations concerning the palaeoecology of the Soar valley, *Circaea*, **10**, 31-7
- Bayley, J, 1991 *Analytical results for metal and glass-working crucibles from Frere's excavations at Verulamium, Herts.*, Ancient Monuments Lab Rep, **68/91**, London
- Bayley, J, and Butcher, S, 2004 *Roman brooches in Britain: a technological and typological study based on the Richborough collection*, Rep Res Comm Soc Antiq London, **68**, London
- Bayliss, A, 2011 *Carlisle northern Lanes: radiocarbon dating*, unpubl rep
- Becker, B, 1981 Fällungsdaten Römischer Bauhölzer, *Fundberichte aus Baden-Wurtemberg*, **6**, 369-86
- Behrensmeier, A K, 1978 Taphonomic and ecologic information from bone weathering, *Paleobiol*, **4**, 150-62
- Bellhouse, R L, 1971 The Roman tileries at Scalesceugh and Brampton, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **71**, 35-44
- Bennett, DK, 2005 Bone from the Severan ditch, Area A, Vindolanda, in A Birley and J Blake (eds), *Vindolanda excavations 2003-2004*, Greenhead, 115-86
- Berryman, H E, and Haun, S J, 1996 Applying forensic techniques to interpret cranial fracture patterns in archaeological specimens, *Int J Osteoarchaeol*, **6**, 2-9
- Berryman, H E, and Symes, S A, 1995 Recognising gunshot and blunt cranial trauma through fracture interpretation, in K Reichs (ed), *Forensic osteology: advances in the identification of human remains*, 2nd edn, Springfield, 333-52
- Bidwell, P T, 1985 *The Roman fort of Vindolanda, at Chesterholm, Northumberland*, Engl Heritage Archaeol Rep, **1**, London
- Bidwell, P, 1996 The exterior decoration of Roman buildings in Britain, in P Johnson and I Haynes (eds), *Architecture in Roman Britain*, CBA Res Rep, **94**, York, 19-29
- Bidwell, P, 1997 *Roman forts in Britain*, London
- Bidwell, P, 1999 A summary of recent research on Hadrian's Wall, in P Bidwell (ed), *Hadrian's Wall 1989-1999: a summary of recent excavations and research*, Carlisle, 7-35
- Bidwell, P, 2005 The dating of Crambeck Parchment Ware, *J Roman Pottery Stud*, **12**, 15-21
- Bidwell, P, and Hodgson, N, 2009 *The Roman army in northern England*, Kendal
- Bidwell, P, and Snape, M, 2002 The history and setting of the Roman fort at Newcastle upon Tyne, *Archaeol Aeliana*, 5 ser, **31**, 251-83
- Biggins, A J, and Taylor, D J A, 2004a The Roman fort and vicus at Maryport: geophysical survey, 2000-2004, in I D Caruana and R J A Wilson (eds), *Romans on the Solway: essays in honour of Richard Bellhouse*, Cumberland Westmorland Antiq Archaeol Soc, Extra Ser, **31**, Kendal, 102-33
- Biggins, A J, and Taylor, D J A, 2004b Geophysical survey of the vicus at Birdoswald Roman fort, Cumbria, *Britannia*, **35**, 159-78
- Bird, J, 1977 African red slip ware in Roman Britain, in J Dore and K T Greene, *Roman pottery studies in Britain and beyond*, BAR Int Ser, **S30**, Oxford, 269-78
- Bird, J, 1986 Samian ware, in L Miller, J Schofield, and M Rhodes, *The Roman quay at St Magnus House, London: excavations at New Fresh Wharf, Lower Thames Street, London 1974-78*, London Middlesex Archaeol Soc, Spec Pap, **8**, London, 139-86
- Bird, J, 2011 Religion, in L Allason-Jones (ed), *Artefacts in Roman Britain: their purpose and use*, Cambridge, 269-92

- Birley, A (trans), 1999 *Tacitus: Agricola and Germany*, Oxford
- Birley, A, 2002 *Garrison life at Vindolanda: a band of brothers*, Stroud
- Birley, A, 2010 *The nature and significance of extramural settlement at Vindolanda and other selected sites on the northern frontier of Roman Britain*, Unpubl PhD thesis, Leicester Univ
- Birley, A, 2013 The fort wall: a great divide?, in R Collins and M Symonds (eds), *Breaking down boundaries: Hadrian's Wall in the 21st century*, Portsmouth, Rhode Island, 85-104
- Birley, E, 1947 The potter's stamps on mortaria, in F G Simpson and K S Hodgson, *The coastal mile-fortlet at Cardurnock, Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **47**, 116-21
- Birley, E, 1953 The Roman milestone at Middleton in Lonsdale, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **53**, 52-62
- Birley, E, Birley, R, and Birley, A, 1993 *The early wooden forts: reports on the auxiliaries, the writing tablets, inscriptions, brands and graffiti*, Vindolanda Res Rep, n ser, **2**, Bardon Mill
- Birley, E, and Gillam, J P, 1948 Mortaria stamps from Corbridge, *Archaeol Aeliana*, 4 ser, **26**, 172-201
- Birley, R E, 1977 *Vindolanda: a Roman frontier post on Hadrian's Wall*, London
- Birley, R, 1994 *The early wooden forts*, Vindolanda Res Rep, n ser, **1**, Bardon Mill
- Birley, R, 2009 *Vindolanda: a Roman frontier fort on Hadrian's Wall*, Stroud
- Bishop, M C, and Coulston, J C N, 1993 *Roman military equipment from the Punic Wars to the fall of Rome*, London
- Bishop, M C, and Dore, J N, 1988 *Corbridge: excavations of the Roman fort and town, 1947-80*, Engl Heritage Archaeol Rep, **8**, London
- Bishop, M C, and Howard-Davis, C, 2009 The Roman militaria, in Howard-Davis 2009a, 687-724
- Black, E W, 1995 *Cursus Publicus: the infrastructure of government in Roman Britain*, BAR Brit Ser, **241**, Oxford
- Blagg, T F C, 1991 Buildings, in R F J Jones (ed), *Roman Britain: recent trends*, Sheffield, 3-14
- Blake, J, 2003 *Vindolanda research reports 2003, 2: the excavations of 2001-2002*, Bardon Mill
- Bluijdiene, A, 2011 *Northern gold: amber in Lithuania (c.100 to c.1200)*, East Central and Eastern Europe in the Middle Ages 450-1450, **10**, Leiden
- Blumenfeld, H, 1909 *Über den Spat der Rinder*, Diss, Leipzig
- Boardman, J, 1970 *Greek gems and finger rings*, London
- Boessneck, J, 1969 Osteological differences between sheep (*Ovis aries* Linné) and goat (*Capra hircus* Linné), in D R Brothwell and E S Higgs (eds), *Science in archaeology*, 2nd edn, London, 331-58
- Boon, G, 1974 *Silchester: Roman town of Calleva*, Newton Abbot
- Boon, G, 1975 *Segontium 50 years on: I, a Roman stave of larchwood and other unpublished finds mainly of organic materials, together with a note on late barracks*, *Archaeol Cambrensis*, **124**, 52-67
- Boon, G C, 1985 Leather and worked wood from Well 1, in R White, *Excavations in Caernarfon, 1976-77*, *Archaeol Cambrensis* (for 1986), **134**, 88-101
- Booth, P M, 1994 Mortaria, in S Cracknell and C Mahany (eds), *Roman Alcester: southern extramural area, 1964-1966 excavations, part 2: finds and discussion*, CBA Res Rep, **97**, York, 132-43
- Booth, P M, 1997 *Astall, Oxfordshire: excavations in a Roman 'small town'*, 1992, Thames Valley Landscapes Monog, **9**, Oxford
- Borril, H, 1981 Casket burials, in C Partridge, *Skeleton Green: a late Iron Age and Romano-British site*, Britannia Monog Ser, **2**, London, 304-21
- Boswijk, G, and Tyers, I, 1996 *Dendrochronological spot dates for 268 timbers from Regis House (KWS94), City of London, Bellamy's Wharf (BEY95), Rotherhithe, Battle Bridge Lane (BAB95), Southwark, Formula Hotel (BAFH95), Barking, London Bridge Station B (L-LBB95), Southwark, Three Quays House (LTS95), City of London, Parliament Square Shaft (PLQ95), Westminster, and 148-160 St John Street (SJO95), Clerkenwell*, ARCUS Rep, **258**, unpubl rep
- Bowman, A, 1994 *Life and letters on the Roman frontier*, London
- Bowman, A, Garnsey, P, and Cameron, A, 2005 *The Cambridge ancient history: 12, the crisis of empire AD 193-337*, Cambridge

- Bowman, A K, and Thomas, J D, 1983 *Vindolanda: the Latin writing-tablets*, Britannia Monog, **4**, London
- Bowman, A K, and Thomas, J D, 1994 *The Vindolanda writing-tablets (Tabulae Vindolandenses II)*, London
- Bowman, A K, Thomas, J D, and Tomlin, R S O, 2011 The Vindolanda writing-tablets (*Tabulae Vindolandenses IV*, Part 2), *Britannia*, **42**, 113–44
- Boyer, P, Proctor, J, and Taylor-Wilson, R, 2009 *Excavations at Burringham Road, Scunthorpe, and Baldwin Avenue, Bottesford, North Lincolnshire*, Pre-Construct Archaeol Monog, **9**, Durham
- Brain, C K, 1967 Hottentot food remains and their bearing on the interpretation of fossil bone assemblages, *Scientific papers of the Namib Desert Research Institute*, **32**, 1-11
- Braithwaite, G, 1984 Romano-British face pots and head pots, *Britannia*, **15**, 99-132
- Brandt, E, Gercke, W, Krug, A, and Schmidt, E, 1972 *Antike Gemmen in deutsche Sammlungen I, Staatliche Münzsammlung München*, **3**, München
- Brassington, M, 1967 Roman material recovered from Little Chester, Derby, 1965, *Derbyshire Archaeol J*, **87**, 55-7
- Braund, D, 1984 Observations on Cartimandua, *Britannia*, **15**, 1-6
- Breeze, D J, 1988 The Roman army in Cumbria, *Trans Cumberland Westmorland Antiq Archaeol Soc*, nser, **88**, 9–22
- Breeze, D J, 2002 *Roman forts in Britain*, 2nd edn, Princes Risborough
- Breeze, D J, 2006 *J Collingwood Bruce's handbook to the Roman Wall*, 14th edn, Newcastle upon Tyne
- Breeze, D J, 2016 *Bearsden: a Roman fort on the Antonine Wall*, Soc Antiq Scot, Edinburgh
- Breeze, D J, and Dobson, B, 2000 *Hadrian's Wall*, 4th edn, Harmondsworth
- Brennand, M (ed), 2006 *The archaeology of north-west England: an archaeological research framework for the north-west region. Volume 1: resource assessment*, Archaeol North-West, **8**, Manchester
- Brennand, M (ed), 2007 *Research and archaeology in north-west England: an archaeological research framework for the north-west region. Volume 2: research agenda and strategy*, Archaeol North-West, **9**, Manchester
- Brennand, M, Chitty, G, and Newman, R, 2007 Research strategy, in Brennand 2007, 159-97
- Brewer, R J, 1993 *Venta Silurum: a civitas-capital*, in S Greep (ed), *Roman towns: the Wheeler inheritance. A review of 50 years' research*, CBA Res Rep, **93**, York, 56-65
- Brewster, T C M, 1976 Garton Slack, *Current Archaeol*, **51**, 104-16
- Brickstock, R J, Cardwell, P A, Busby, P A, Cool, H E M, Huntley, J, Evans, J, Makey, P, Ronan, D, and Wilson, P R, 2007 Catterick metal detecting project 1997-1999, *Yorkshire Archaeol J*, **79**, 65-153
- Brinkhoff, T, 2015 *United Kingdom: cities, counties and unitary districts* [Online] Available at: <http://www.citypopulation.de/php/uk-england/north-west-england.php> (accessed 1 October 2015)
- Brock, F, Higham, T, Ditchfield, P, and Bronk Ramsey, C, 2010 Current pretreatment methods for AMS radiocarbon dating at the Oxford Radiocarbon Accelerator Unit (ORAU), *Radiocarbon*, **52**, 103–12
- Brodribb, G, 1987 *Roman brick and tile*, Gloucester
- Bronk Ramsey, C, 1995 Radiocarbon calibration and analysis of stratigraphy, *Radiocarbon*, **36**, 425–30
- Bronk Ramsey, C, 1998 Probability and dating, *Radiocarbon*, **40**, 461–74
- Bronk Ramsey, C, 2001 Development of the radiocarbon calibration program, *Radiocarbon*, **43**, 355–63
- Bronk Ramsey, C, 2009 Bayesian analysis of radiocarbon dates, *Radiocarbon*, **51**, 337–60
- Bronk Ramsey, C, Higham, T, Bowles, A, and Hedges, R E M, 2004a Improvements to the pre-treatment of bone at Oxford, *Radiocarbon*, **46**, 155–63
- Bronk Ramsey, C, Higham, T, and Leach, P, 2004b Towards high precision AMS: progress and limitations, *Radiocarbon*, **46**, 17–24
- Brooks, S T, and Suchey, J M, 1990 Skeletal age determination based on the *Os Pubis*: a comparison of the Acsadi-Nemeskeri and Suchey-Brooks methods, *Human Evolution*, **5**, 227-38
- Brothwell, D R, 1981 *Digging up bones*, London
- Brothwell, D R, Dobney, K M, and Ervynck, A, 1996 On the causes of perforations in archaeological domestic cattle skulls, *Int J Osteoarchaeol*, **6**, 471-87

- Brown, A E, and Woodfield, C, with Maynard, D C, 1983 Excavations at Towcester, Northamptonshire: the Alchester Road suburb, *Northamptonshire Archaeol*, **18**, 43-140
- Brown, D M, Munro, M A R, Baillie, M G L, and Pilcher, J R, 1986 Dendrochronology - the absolute Irish standard, *Radiocarbon*, **28** (2A), 279-83
- Brown, F, Clark, P, Dickson, A, Gregory, R A, and Zant, J, in prep *From an ancient Eden to a new frontier: an archaeological journey along the Carlisle Northern Development Route*, Lancaster Imprints
- Buckland, P C, Hartley, K F, and Rigby, V, 2001 The Roman pottery kilns at Rossington Bridge 1956-1961: a report on excavations carried out by J R Lidster on behalf of Doncaster Museum, *J Pottery Stud*, **9**, 1-92
- Buckland, P C, Magilton, J R, and Dolby, M J, 1980 The Roman pottery industries of South Yorkshire, *Britannia*, **11**, 145-64
- Budge, E A W, 1907 *An account of the Roman antiquities preserved in the museum at Chesters, Northumberland, to which is added a series of chapters describing the excavations made by the late John Clayton at Cilurnum, Procolitia, Borcovicus, and other sites on the Roman Wall*, London
- Buikstra, J E, and Ubelaker, D H, 1994 *Standards for data collection from human skeletal remains*, *Arkansas Archaeol Surv Res Ser*, **44**, Fayetteville
- Bulleid, A, 1968 *The lake-villages of Somerset*, 6th edn, Street
- Bulmer, M, 1980 The samian, in D J P Mason (ed), *Excavations at Chester, 11-15 Castle Street and neighbouring sites 1974-8, a possible Roman posting house (mansio)*, Grosvenor Mus Archaeol Excav Surv Rep, **2**, Chester, 87-9
- Burgess, C, 1984 The prehistoric settlement of Northumberland: a speculative survey, in C Burgess and R Miket (eds), *Between and beyond the Walls*, Edinburgh, 126-75
- Burley, E, 1956 A catalogue and survey of the metal-work from Traprain Law, *Proc Soc Antiq Scot*, **89**, 118-226
- Burnham, B C, and Wachter, J, 1990 *The 'small towns' of Roman Britain*, London
- Busch, A L, 1965 Die Römerzeitlichen Schuh- und Lederfunde der Kastele Saalburg, Zugmantel und Kleiner Feldberg, *Saalburg Jahrbuch*, **22**, 158-210
- Busvine, J R, 1976 *Insects, hygiene and history*, London
- Butcher, S A, 1974 The brooches, in D S Neal, *The excavation of the Roman villa in Gadebridge Park, Hemel Hempstead, 1963-68*, Soc Antiq London Res Rep, **31**, London, 123-8
- Buxton, K, and Howard-Davis, C, 2000 *Bremetenacum: excavations at Roman Ribchester 1980, 1989-1990*, Lancaster Imprints, **9**, Lancaster
- Buxton, K, and Shotter, D C A, 1996 The Roman period, in R Newman (ed), *The archaeology of Lancashire: present state and future priorities*, Lancaster, 75-91
- Byers, S N, 2005 *Introduction to forensic anthropology*, 2nd edn, Boston
- Callender, M H, 1965 *Roman amphorae: with an index of stamps*, London
- Carrott, J, Issitt, M, Kenward, H, Large, F, and McKenna, B, 1995 *An assessment of insect remains from excavations at the Lanes, Carlisle (site code: CAR79-82)*, Rep Environ Archaeol Unit, York, **95/4**, unpubl rep
- Carrott, J, and Kenward, H, 1998 *Multum in parvo: the significance of small archaeological insect assemblages*, in D Jaques and K Dobney (eds), *Research Forum 1998: abstracts from a one-day forum held at the Tempest Anderson Hall, York on 28th October 1998*, Rep Environ Archaeol Unit, York, **98/36**, unpubl rep, 10-22
- Carrott, J, and Kenward, H, 2001 Species associations among insect remains from urban archaeological deposits and their significance in reconstructing the past human environment, *J Archaeol Sci*, **28**, 887-905
- Carson, R A G, Hill, P V, and Kent, J P C, 1960 *Late Roman bronze coinage*, London
- Caruana, I D, 1983 Carlisle, *Current Archaeol*, **86**, 77-81
- Caruana, I D, 1990 The small finds, in McCarthy 1990, 83-196
- Caruana, I D, 1992 Carlisle: excavation of a section of the annexe ditch of the first Flavian fort, 1990, *Britannia*, **23**, 45-109
- Caruana, I D, 1996 A forum or mansio in Carlisle?, *Britannia*, **27**, 345-53
- Caruana, I D, 2000 Observations in the vicus of Stanwix Roman fort on the site of the Miles MacInnes Hall, 1986, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **100**, 55-78

- Caruana, I D, 2004 The cemetery at Beckfoot Roman fort, in R J A Wilson and I D Caruana (eds), *Romans on the Solway: essays in honour of Richard Bellhouse*, Cumberland Westmorland Antiq Archaeol Soc, Extra Ser, **31**, Kendal, 134-73
- Caruana, I D, 2011 The growth of archaeology in Carlisle, in M Brennand and K J Stringer (eds), *The making of Carlisle: from Romans to railways*, Cumberland Westmorland Antiq Archaeol Soc, Extra Ser, **35**, Kendal, 5-20
- Caruana, I D, in prep a *The Roman forts at Carlisle: excavations at Annetwell Street 1973-84*
- Caruana, I D, in prep b *The Roman forts at Carlisle: excavations at Annetwell Street 1989-90*
- Caruana, I D, and Allnutt, E R T, in prep Wooden objects including basketry, in Caruana in prep a
- Caruana, I D, and Cherry, J, 1994 A microlith from Carlisle, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **94**, 281-2
- Caruana, I D, and Coulston, J C, 1987 A Roman bridge stone from the River Eden, Carlisle, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **87**, 43-51
- Caruana, I D, and Hird, L, in prep Roman brick and tile, in Caruana in prep a
- Cary, E, and Foster, H B (trans), 2014 *Dio Cassius, Roman history, Volume VIII, Books 61-70*, Loeb Classical Library, **176**, Cambridge MA
- Casey, P J, 1988 The interpretation of Romano-British site finds, in P J Casey and R Reece (eds), *Coins and the archaeologist*, 2nd edn, London, 39-56
- Casey, P J, Hoffmann, B, and Dore, J, 1999 Excavations at the Roman temple in Lydney Park, Gloucestershire in 1980 and 1981, *Antiq J*, **79**, 81-143
- Chamberlain, A, 1996 *Lecture notes on MSc osteology, palaeopathology and funerary archaeology*, Sheffield Univ, unpubl doc
- Chapman, E M, Hunter, F, Booth, P, Wilson, P, Worrell, S, and Tomlin, R S O, 2011 Roman Britain in 2010, *Britannia*, **42**, 319-466
- Chapman, H, 1977 The wood, in T W Blurton, Excavations at Angel Court, Walbrook, 1974, *Trans London Middlesex Archaeol Soc*, **28**, 64-9
- Charlesworth, D, 1978 Roman Carlisle, *Archaeol J*, **135**, 115-37
- Charlesworth, D, 1979 Plough-marks beneath 21 Annetwell Street, Carlisle, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **79**, 146-7
- Charlesworth, D, 1980 The south gate of a Flavian fort at Carlisle, in W S Hanson and L J F Keppie (eds), *Roman frontier studies 1979*, BAR Int Ser, **71**, Oxford, 201-10
- Chastagnol, A, Gagé, J, le Glay, M, and Pflaum, H-G, 1978 *L'Année épigraphique*, Paris
- Chitty, G, and Brennand, M, 2007 An archaeological research framework for the North-West region: research agenda introduction, in Brennand 2007, 7-30
- Clare, T, and Richardson, C, in prep *A salvage operation in Scotch Street, Carlisle*
- Clay, P, and Pollard, R, 1994 *Iron Age and Roman occupation in the West Bridge area, Leicester: excavations 1962-1971*, Leicester
- Clough, S, 2009 Catalogue of the human bone, in *The Carlisle Millennium Project: excavations in Carlisle 1998-2001, Volume 3: appendices*, Lancaster Imprints, **15**, Lancaster, 1451
- Clough, S, and Witkin, A-S, 2009 The human skeletal remains, in Howard-Davis 2009a, 903
- Cohen, A, and Serjeantson, D, 1986 *A manual for the identification of bird bones from archaeological sites*, London
- Collingwood, R G, 1937 Roman Britain in 1936, *J Roman Stud*, **27**, 223-50
- Collingwood, R G, and Wright, R P, 1992 *The Roman inscriptions of Britain. 2, Instrumentum domesticum (personal belongings and the like), Fascicule 4: wooden barrels, stilus-tablets, miscellaneous objects of wood, leather objects, oculists' stamps, wallplaster, mosaics, handmills, stone tablets, stone balls, stone pebbles, small stone votives, miscellaneous objects of stone, jet figurine, clay figurines, miscellaneous clay objects, antefixes, tile-stamps of legion II Augusta, of legion VI Victrix, of legion IX Hispana, of legion XX Valeria Victrix, tile-stamps of the auxiliaries*, S S Frere and R S O Tomlin (eds), Stroud
- Collingwood, R G, and Wright, R P, 1993 *The Roman inscriptions of Britain. 2, Instrumentum domesticum (personal belongings and the like), Fascicule 5: tile-stamps of the "Classis Britannica"; imperial, procuratorial and civic tile-stamps; stamps of private tilers; inscriptions on relief-patterned tiles and graffiti on tiles*, S S Frere and R S O Tomlin (eds), Stroud

- Collingwood, R G, and Wright, R P, 1994 *The Roman inscriptions of Britain. 2, Instrumentum domesticum (personal belongings and the like), Fascicule 6: dipinti and graffiti on amphorae, dipinti and graffiti on mortaria, inscriptions in white barbotine, dipinti on coarse pottery, samian barbotine or moulded inscriptions*, S S Frere and R S O Tomlin (eds), Stroud
- Collingwood, R G, and Wright, R P, 1995a *The Roman inscriptions of Britain. 2, Instrumentum domesticum (personal belongings and the like), Fascicule 7: graffiti on samian ware = terra sigillata*, S S Frere and R S O Tomlin (eds), Stroud
- Collingwood, R G, and Wright, R P, 1995b *The Roman inscriptions of Britain. 2, Instrumentum domesticum (personal belongings and the like), Fascicule 8: graffiti on coarse pottery cut before and after firing : stamp on coarse pottery, addenda and corrigenda to Fascicules 1-8*, S S Frere and R S O Tomlin (eds), Stroud
- Collins, R, 2012 Soldiers to warriors: renegotiating the Roman frontier in the fifth century, in F Hunter and K Painter (eds), *Late Roman silver: the Traprain treasure in context*, Edinburgh, 29-43
- Connell, B, and Davis, S J M, nd *Animal bones from Roman Carlisle, Cumbria: the Lanes (2) excavations, 1978-82*, Ancient Monuments Lab Rep, n ser, unpubl rep
- Conneller, C J, Bayliss, A, Milner, N, and Taylor, B, 2016 The resettlement of the British landscape: towards a chronology of early mesolithic lithic assemblage types, *Internet Archaeol*, **42** [Online] Available at: <https://dx.doi.org/10.11141/ia.42.12> (accessed 9 March 2018)
- Cook, M, and Dunbar, L, 2008 *Rituals, roundhouses and Romans: excavations at Kintore, Aberdeenshire, 2000-2006. Volume 1: Forest Road*, Scot Trust Archaeol Res Monog, **8**, Loanhead
- Cool, H E M, 1990 Roman metal hair pins from southern Britain, *Archaeol J*, **147**, 148-82
- Cool, H E M, 1995 Furniture and fittings, in H E M Cool, G Lloyd-Morgan, and A D Hooley, *Finds from the fortress*, Archaeol York, **17.10**, London, 1590
- Cool, H E M, 2006 *Eating and drinking in Roman Britain*, Cambridge
- Cool, H E M, 2010 Objects of glass, shale, bone and metal (except nails), in P Booth, A Simmonds, A Boyle, S Clough, H E M Cool, and D Poore, *The late Roman cemetery at Lankhills, Winchester: excavations 2000-2005*, Oxford Archaeol Monog, **10**, Oxford, 267-308
- Cool, H E M, and Price, J, 1991 The Roman vessel and window glass, in Padley 1991a, 165-76
- Cool, H E M, and Price, J, in prep Glass, in Caruana in prep a
- Corcoran, J, 1952 Tankards and tankard handles of the British Iron Age, *Proc Prehist Soc*, **18**, 85-102
- Corder, P, 1928 *The Roman pottery at Crambeck, Castle Howard*, Roman Malton Dist Rep, **1**, Leeds
- Corder, P, and Birley, M, 1937 A pair of fourth-century Romano-British kilns near Crambeck, *Antiq J*, **17**, 392-413
- Coulston, J C N, and Phillips, E J, 1988 *Corpus Signorum Imperii Romani, Great Britain, 1, Fascicule 6, Hadrian's Wall west of the River North Tyne, and Carlisle*, London
- Cousins, S, and Tolan-Smith, C, 1995 Museum notes 1995: an Upper Palaeolithic flint tool from the Tyne Valley, Northumberland, *Archaeol Aeliana*, 5 ser, **23**, 307-9
- Cowgill, J, de Neergard, M, and Griffiths, N, 1987 *Knives and scabbards*, Medieval finds from excavations in London, **1**, London
- Cowley, D C, 2012 Newstead and environs from the air, in F Hunter and L Keppie (eds), *A Roman frontier post and its people: Newstead 1911-2011*, Edinburgh, 41-9
- Cracknell, P M, and Padley, T G, in prep The brooches, in Caruana in prep a
- Cramp, K, 2009 Flint, in *The Carlisle Millennium Project. Excavations in Carlisle 1998-2001, Volume 3: appendices*, Lancaster Imprints, **15**, Lancaster, 1433-6
- Crawford, M H, 1974 *Roman Republican coinage*, Cambridge
- Crone, A, 1997 The dendrochronological evidence: a tree-ring chronology from Whithorn, Dumfries and Galloway, in P Hill, *Whithorn and St Ninian: the excavation of a monastic town 1984-91*, Stroud, 595-6
- Croom, A T, McBride, R M, and Bidwell, P T, with Hird, L, 2008 The coarse pottery fabric and form series, in H E M Cool and D J P Mason (eds), *Roman Piercebridge, Durham, D183-213* [data-set] [Online] Available at: <https://doi.org/10.5284/1000057> (accessed 25 October 2015)
- Crummy, N, 1983 *The Roman small finds from excavations in Colchester 1971-9*, Colchester Archaeol Rep, **2**, Colchester

- Crummy, N, 2011 Travel and transport, in L Allason-Jones (ed), *Artefacts in Roman Britain: their purpose and use*, Cambridge, 46-67
- Crummy, N, 2015 The brooches, in M Atkinson and S J Preston, Heybridge: a late Iron Age and Roman settlement, excavations at Elms Farm 1993-5, *Internet Archaeol*, **40** [Online] Available at: <https://dx.doi.org/10.11141/ia.40.1.crummy5> (accessed 10 April 2017)
- Crummy, P, 1984 *Excavations at Lion Walk, Balkerne Lane and Middleborough, Colchester, Essex*, Colchester Archaeol Rep, **3**, Colchester
- Curle, J, 1911 *A Roman frontier post and its people: the fort of Newstead in the parish of Melrose*, Glasgow
- Curwen, C E, 1941 More about querns, *Antiquity*, **15**, 15-32
- Dainton, M, 1992 A quick, semi-quantitative method for recording nematode gut parasite eggs from archaeological deposits, *Circaea*, **9**, 58-63
- Darling, MJ, 1984 *Roman pottery from the upper defences*, Lincoln Archaeol Trust Monog, **16/2**, London
- Darling, M, and Precious, B, 2014 *A corpus of Roman pottery from Lincoln*, Lincoln Archaeol Stud, **6**, Oxford
- Darrah, R, 2009 The structural wood, in Howard-Davis 2009a, 781-805
- Davenport, P, Poole, C, and Jordan, D, 2007 *Archaeology in Bath: excavations at the New Royal Baths (The Spa) and Bellott's Hospital 1998-1999*, Oxford Archaeol Monog, **3**, Oxford
- David, A, 1998 Two assemblages of Later Mesolithic microliths from Seamer Carr, North Yorkshire, fact and fancy, in N Ashton, F Healy, and P Pettitt (eds), *Stone Age archaeology: essays in honour of John Wymer*, Oxford, 196-204
- Davis, S J M, 1988 *Animal bones from Dodder Hill, a Roman fort near Droitwich (Hereford and Worcester), excavated in 1977*, Ancient Monuments Lab Rep, n ser, **140/88**, unpubl rep
- Davis, S J M, 1992a *A rapid method for recording information about animal bones from archaeological sites*, Ancient Monuments Lab Rep, n ser, **19/92**, unpubl rep
- Davis, S J M, 1992b *Saxon and medieval animal bones from Burystead and Langham Road, Northants: 1984-1987 excavations*, Ancient Monuments Lab Rep, n ser, **71/92**, unpubl rep
- Davis, S J M, 1996 Measurements of a group of adult female Shetland sheep skeletons from a single flock: a baseline for zooarchaeologists, *J Archaeol Sci*, **23**, 593-612
- Davis, S J M, 1997 *Animal bones from the Roman site Redlands Farm, Stanwick, Northamptonshire, 1990 excavation*, Ancient Monuments Lab Rep, **106/97**, unpubl rep
- Déchelette, J, 1904 *Les vases ceramiques ornés de la Gaule Romaine*, Paris
- de la Bédoyère, G, 1991 *The buildings of Roman Britain*, London
- den Boersterd, M, 1956 *Description of the collections in the Rijksmuseum G M Kam at Nijmegen. 5: the bronze vessels*, Leiden
- Deschler-Erb, E, and Schwartz, P A, 1993 A bronze spear-head from Insula 22, and its significance for the urban history of *Augusta Rauricorum*, *J Roman Military Equipment Stud*, **4**, 9-22
- Dessau, H (ed), 1916 *Inscriptiones Latinae selectae*, **3.2**, Berlin
- Dickinson, B M, 1990 The samian ware, in McCarthy 1990, 213-36
- Dickinson, B M, 1991 The samian ware, in Taylor 1991, 344-65
- Dickinson, B M, 1997 Decorated samian and potters stamps, in Wilmott 1997, 256-67
- Dickinson, B M, 2000a The samian ware, in McCarthy 2000, 136-8
- Dickinson, B M, 2000b Samian, in Buxton and Howard-Davis 2000, 202-24
- Dickinson, B M, 2010 The samian ware, in Hird and Brooks 2010, 59-80
- Dickinson, B M, 2011 The samian ware, in Zant *et al* 2011b, 85-7
- Dickinson, B M, in prep a Samian pottery, in Caruana in prep a
- Dickinson, B M, in prep b The samian from Mitchell's Brewery, in Howard-Davis *et al* in prep
- Dickinson, B M, and Hartley, K F, 1971 The evidence of potters' stamps on samian ware and on mortaria for the trading connections of Roman York, in R M Butler (ed), *Soldier and civilian in Roman Yorkshire*, Leicester, 127-42

- Dickinson, B M, and Hartley, K F, 2000 The samian, in Rush *et al* 2000, 5-88
- DiMaio, V J M, 1999 *Gunshot wounds: practical aspects of firearms, ballistics and forensic techniques*, 2nd edn, Boca Raton, Florida
- Dixon, K R, 1990 Dolphin scabbard runners, *J Roman Military Equipment Stud*, **1**, 17-25
- Dobney, K M, Hall, A R, Kenward, H K, and Milles, A, 1992 A working classification of sample types for environmental archaeology, *Circaea*, **9** (for 1991), 24-6
- Dobney, K M, Jacques, S D, and Irving, B G, 1996 *Of butchers and breeds: report on the vertebrate remains from various sites in the city of Lincoln*, *Lincoln Archaeol Stud*, **5**, Lincoln
- Dobney, K M, and Rielly, K, 1988 A method for recording archaeological animal bones: the use of diagnostic zones, *Circaea*, **5/2**, 79-96
- Dore, J N, 1981 Flavian coarse pottery in north Britain, *Scot Archaeol Forum*, **11**, 62-9
- Dore, J, Dickinson, B, Hartley, B R, and Hartley, K F, 1988 The pottery, in Bishop and Dore 1988, 219-86
- Downey, R, King, A, and Soffe, G, 1978 *The Roman temple on Hayling Island: second interim report on excavations, 1977*, London
- Downey, R, King, A, and Soffe, G, 1979 *The Hayling Island temple: third interim report on the excavation of the Iron Age and Roman temple, 1976-78*, London
- Dragendorff, H, 1895 Terra sigillata: Ein Beitrag zur Geschichte der griechischen und römischen Keramik, *Bonner Jahrbücher*, **96**, 18-55
- Dressel, H, 1891 *Corpus Inscriptionum Latinarum: 15, Inscriptiones urbis Romae Latinae: Instrumentum Domesticum*, Berlin
- Drury, P J, 1982 Form, function and the interpretation of the excavated plans of some large secular Romano-British buildings, in P J Drury (ed), *Structural reconstruction: approaches to the interpretation of the excavated remains of buildings*, BAR Brit Ser, **110**, Oxford, 289-308
- Drury, P J, 1988 *The mansio and other sites in the south-eastern sector of Caesaromagus*, CBA Res Rep, **66**, Chelmsford Archaeol Trust Rep, **3.1**, London
- Earwood, C, 1991 Wooden artefacts, in Holbrook and Bidwell 1991, 275-8
- Earwood, C, 1993 *Domestic wooden artefacts in Britain and Ireland from Neolithic to Viking times*, Exeter
- Eckardt, H, 2002 *Illuminating Roman Britain*, Monographies Instrumentum, **23**, Montagnac
- Eckardt, H, 2005 The social distribution of artefacts: the case of nail cleaners and brooches in Britain, *J Roman Archaeol*, **18**, 139-60
- Eckardt, H, 2006 The character, chronology, and use of the late Roman pits: the Silchester finds assemblage, in Fulford *et al* 2006, 221-45
- Eckardt, H, 2011a Heating and lighting, in L Allason-Jones (ed), *Artefacts in Roman Britain: their purpose and use*, Cambridge, 180-93
- Eckardt, H, 2011b The mid-Roman pits in context, in Fulford and Clarke 2011, 301-18
- Eckardt, H, 2014 *Objects and identities: Roman Britain and the North-western provinces*, Oxford
- Edlin, H L, 1949 *Woodland crafts in Britain: an account of the traditional uses of trees and timbers in the British countryside*, London
- Edwards, B J N, and Shotton, D C A, 2005 Two Roman milestones from the Penrith area, *Trans Cumberland Westmorland Antiq Archaeol Soc*, 3 ser, **5**, 65-77
- Edwards, B J N, and Webster, P V, 1988 *Ribchester excavations Part 3. Excavations in the civil settlement: B. Pottery and coins*, Cardiff
- Ellis, P (ed), 2000 *The Roman Baths and macellum at Wroxeter: excavations by Graham Webster 1955-85*, English Heritage Archaeol Rep **9**, London
- Ellis, S P, 1995 Classical reception rooms in Romano-British houses, *Britannia*, **26**, 163-78
- Elsdon, S M, 1982 *Parisian ware: a study of stamped wares of the Roman period in Lincolnshire, Humberside and South Yorkshire*, VORDA Res Ser, **4**, Highworth
- English Heritage, 1991 *Management of archaeological projects*, 2nd edn, London
- Esmonde-Cleary, A S, 1989 *The ending of Roman Britain*, London
- Esmonde-Cleary, A S, 1994 Roman Britain in 1993: Hadrian's Wall and the northern counties, *Britannia*, **25**, 261-9

- Evans, E-J, Howard-Davis, C, and Bates, A, 2009 The animal bones, in Howard-Davis 2009a, 903-19
- Evans, J, 1989 Crambeck: the development of a major northern pottery industry, in P R Wilson (ed), *Crambeck Roman pottery industry*, Leeds, 43-90
- Evans, J, 2004 The pottery vessels, in H E M Cool, *The Roman cemetery at Brougham, Cumbria: excavations 1966-67*, *Britannia Monog*, **21**, London, 333-64
- Evans, J, Rátkai, S, Hird, L, and Howard-Davis, C, in prep The Roman coarsewares, in Gibbons *et al* in prep
- Faulkner, N, 2000 *The decline and fall of Roman Britain*, Stroud
- Fell, C I, 1990 The prehistoric flint and stone material, in McCarthy 1990, 91-7
- Fell, C I, in prep The lithic material, in Caruana in prep a
- Fell, V, 2000 The nit combs, in Buxton and Howard-Davis 2000, 398-400
- Ferguson, R S, 1886 On a Roman altar, and a Roman sepulchral slab recently found at Carlisle: with some notes on the Roman bagpiper, and on a figure found at Bewcastle and now at Netherby, *Trans Cumberland Westmorland Antiq Archaeol Soc*, 1 ser, **8**, 317-22
- Ferguson, R S, 1893 On the Roman cemeteries of *Luguvalium*, and on a sepulchral slab of Roman date found recently, *Trans Cumberland Westmorland Antiq Archaeol Soc*, 1 ser, **12**, 365-74
- Fisher, R A, Corbet, A S, and Williams, C B, 1943 The relation between the number of species and the number of individuals in a random sample of an animal population, *J Animal Ecol*, **12**, 42-58
- Flynn, P, 1995 A watching brief at 46-52 Lowther Street, Carlisle, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **95**, 278-82
- Fowler, E, 1960 The origins and development of the penannular brooch in Europe, *Proc Prehist Soc*, **26**, 149-77
- Frere, S S, 1972 *Verulamium excavations*, **1**, Rep Res Comm Soc Antiq London, **28**, London
- Frere, S S, 1984 Roman Britain in 1983, *Britannia*, **15**, 266-332
- Frere, S S, 1991 Roman Britain in 1990, *Britannia*, **22**, 222-92
- Frere, S S, and St Joseph, J K, 1974 The Roman fortress at Longthorpe, *Britannia*, **5**, 1-129
- Frere, S S, and Wilkes, J J, 1989 *Strageath*, *Britannia Monog*, **9**, London
- Fulford, M, 2001 Links with the past: pervasive 'ritual' behaviour in Roman Britain, *Britannia*, **32**, 199-218
- Fulford, M, 2006 Discussion and synthesis, in Fulford *et al* 2006, 249-85
- Fulford, M, and Clarke, A, 2011 *Silchester: city in transition. The mid-Roman occupation of Insula IX, c AD 125-250/300: a report on excavations undertaken since 1997*, *Britannia Monog*, **25**, London
- Fulford, M, Clarke, A, and Eckardt, H, 2006 *Life and labour in late Roman Silchester: excavations in Insula IX since 1997*, *Britannia Monog*, **22**, London
- Fully, G, 1956 Une nouvelle méthode de détermination de la taille, *Ann Méd Légales*, **36**, 266-73
- Gagetti, E, 2007 'locum in deliciis... sucina optinent', Le amber di Aquileia e di Spalato, in M Buora (ed), in *Le regioni di Aquileia e Spalato in epoca romana, Proc Int Conference (Udine 2006)*, Udine, 135-61
- Gansser-Burckhardt, A (ed), 1942 Das Leder und seine Verarbeitung im römischen Legionslager Vindonissa, *Veröffentlichungen der Gesellschaft pro Vindonissa*, **1**, Basel
- Gellman, H, Wiss, D A, and Moldawer, T D, 2003 Gunshot wounds to the musculoskeletal system, in B D Browner, J E Jupiter, A M Levine, and G Trafton (eds), *Skeletal trauma*, 3rd edn, Philadelphia, 90-119
- Gerrard, J, 2008 Feeding the army from Dorset: pottery, salt, and the Roman state, in S Stallibrass and R Thomas, *Feeding the Roman army: the archaeology of production and supply in NW Europe*, Oxford, 116-27
- Gerrard, J, 2011 Wells and belief systems at the end of Roman Britain, in L Lavan and M Mulyan (eds), *The archaeology of late Antique 'paganism'*, *Late Antique Archaeol*, **7**, London, 551-72
- Gibbons, P, Howard-Davis, C, and Olivier, A, in prep *Excavations at Walton-le-Dale, Lancashire, 1981-3 and 1996-7*
- Gidney, L, 2012 Faunal remains analysis, in Arrowsmith and Powers 2012, 158-69
- Giecco, F O, 2011 Life in medieval Carlisle, in M Brennan and K J Stringer (eds), *The making of Carlisle: from Romans to railways*, *Cumberland Westmorland Antiq Archaeol Soc*, Extra Ser, **35**, Kendal, 121-36

- Gillam, J P, 1939 Romano-British Derbyshire ware, *Antiq J*, **19**, 429-37
- Gillam, J P, 1952 The coarse pottery, in I A Richmond, *Excavations at the Roman fort at Newstead, 1947*, *Proc Soc Antiq Scot*, **84** (for 1949-50), 31-7
- Gillam, J P, 1970 *Types of Roman coarse pottery vessels in northern Britain*, 3rd edn, Newcastle upon Tyne
- Gillam, J P, 1976 Coarse fumed ware in northern Britain, *Glasgow Archaeol J*, **4**, 57-80
- Gillam, J P, and Mann, J C, 1970 The northern British frontier from Antoninus Pius to Caracalla, *Archaeol Aeliana*, 4 ser, **48**, 1-44
- Gilmour, B, 1981 St Mark's, in M J Jones (ed), *Excavations at Lincoln: third interim report: sites outside the walled city, 1972-1977*, *Antiq J*, **61**, 83-114
- Gilpin, J, 2009 Soil phytoliths, in *The Carlisle Millennium Project. Excavations in Carlisle 1998-2001, Volume 3: appendices*, Lancaster Imprints, **15**, Lancaster, 1527-8
- Girling, M A, 1984 Eighteenth century records of human lice (Pthiraptera, Anoplura) and fleas (Siphonaptera, Pulicidae) in the City of London, *Entomol Monthly Mag*, **120**, 207-10
- Girling, M A, and Robinson, M, 1988 *The insect assemblages from the pond sediments at Site 30, Wharram Percy*, Ancient Monuments Lab Rep, **36/88**, unpubl rep
- Glasbergen, W, 1972 *De Romeinse castella te Valkenburg Z.H.: de opgravingen in de dorpsheuvel in 1962*, (*Cingula I*), Groningen
- Going, C, 1981 Some Nene Valley folded beakers with anthropomorphic decoration, in A C Anderson and A S Anderson (eds), *Roman pottery research in Britain and North-west Europe*, BAR Int Ser, **123**, Oxford, 313-19
- Goodburn, D, 1991 A Roman timber framed building tradition, *Archaeol J*, **148**, 182-204
- Gose, E, 1950 Gefässtypen der römischen Keramik im Rheinland, *Beihefter der Bonner Jahrbucher*, **1**, Köln
- Gosling, P F, 1976 Carlisle - an archaeological survey of the historic town, in P A G Clack and P F Gosling (eds), *Archaeology in the North: report of the Northern Archaeological Survey*, London, 165-85
- Graham, E-J, 2006 Discarding the destitute: ancient and modern attitudes towards burial practices and memory preservation amongst the lower classes of Rome, in B Croxford, H Goodchild, N Lucas, and N Ray (eds), *TRAC 2005: Proceedings of the Fifteenth annual Theoretical Roman Archaeology Conference, Birmingham 2005*, Oxford, 57-71
- Grant, A, 1975 The animal bones, in B Cunliffe (ed), *Excavations at Portchester Castle I: Roman*, Rep Res Comm Soc Antiq London, **32**, London, 378-408
- Grant, A, 1982 The use of toothwear as a guide to the age of domestic ungulates, in B Wilson, C Grigson, and S Payne (eds), *Ageing and sexing animal bones from archaeological sites*, BAR Brit Ser, **109**, Oxford, 91-108
- Grant, A, 1984 Animal husbandry in Wessex and the Thames Valley, in B Cunliffe and D Miles (eds), *Aspects of the Iron Age in central southern Britain*, Oxford Univ Comm Archaeol Monog, **2**, Oxford, 102-19
- Green, H J M, 1969 Godmanchester, *Current Archaeol*, **16**, 133-8
- Green, H J M, 1975 Roman Godmanchester, in W Rodwell and T Rowley (eds), *The 'small towns' of Roman Britain*, BAR Brit Ser, **15**, Oxford, 183-210
- Greene, K T, 1978 Imported fine wares in Britain to AD 250, in P Arthur and G Marsh (eds), *Early fine wares in Roman Britain and beyond*, BAR Brit Ser, **57**, Oxford, 15-30
- Greenough, P R, MacCallum, F J, and Weaver, A D, 1972 *Lameness in cattle*, Edinburgh
- Gregory, R A, 2007 *Roman Manchester: the University of Manchester's excavations within the vicus, 2001-5*, Oxford
- Greig, J, 1991 The British Isles, in W van Zeist, K Wasylkova, and K E Behre (eds), *Progress in Old World palaeoethnobotany*, Rotterdam, 289-332
- Greig, J, 1996 Archaeobotanical and historical records compared - a new look at the taphonomy of edible and other useful plants from the 11th to the 18th centuries AD, *Circaea*, **12/2**, 211-47
- Grieve, M, 1973 *A modern herbal*, rev edn, London
- Grocock, C, and Grainger, S (ed and trans), 2006 *Apicius: a critical edition with an introduction and an English translation*, Totnes
- Groenman-van Waateringe, W, 1967 Romeins lederwerk uit Valkenburg ZH, *Nederlandse Oudheden*, **2**, Groningen
- Groves, C, 1987 *Tree-ring analysis of timbers from Walton-le-Dale, Preston, 1981-83*, Ancient Monuments Lab Rep, n ser, **136/87**, unpubl rep

- Groves, C, 1990 Tree ring analysis and dating of timbers from Annetwell Street, Carlisle, Cumbria, 1981-84, Ancient Monuments Lab Rep, n ser, **49/90**, unpubl rep
- Groves, C, 1991 Absolute dating, in McCarthy 1991b, 50-3
- Groves, C, 1993 *Dendrochronological analysis of timbers from The Lanes, Carlisle, Cumbria, 1978-82: Volume 1*, Ancient Monuments Lab Rep, n ser, **21/93**, unpubl rep
- Groves, C, 2010 The dendrochronology, in McCarthy 2010, 103-6
- Groves, C, and Hillam, J, 1997 Tree-ring analysis and dating of timbers, in J D Hurst (ed), *Multi-period saltmaking at Droitwich, Hereford and Worcester: excavations at Upwich 1983-4*, CBA Res Rep, **107**, York, 74-88
- Gurdjian, E S, Webster, J E, and Lisner, H R, 1950 The mechanism of skull fracture, *J Neurosurgery*, **7**, 106-14
- Guttmann, E B, Simpson, I A, and Davidson, D A, 2005 Manuring practices in antiquity: a review of the evidence, in D N Smith, M B Brickley, and W Smith (eds), *Fertile ground: papers in honour of Susan Limbury*, Symposia Assoc Environmental Archaeol, **22**, Oxford, 68-76
- Guttmann-Bond, E B, 2009 Pre-Roman soil micromorphology: thin-section analysis of Period 1 buried soil 6649, in *The Carlisle Millennium Project. Excavations in Carlisle 1998-2001, Volume 3: appendices*, Lancaster Imprints, **15**, Lancaster, 1525-7
- Guzzo, P G, and d'Ambrosio, A, 2002 *Pompeii: guide to the site*, Pompeii
- Habermehl, K-H, 1975 *Die Altersbestimmung bei Haus- und Labortieren*, 2nd edn, Berlin, Hamburg
- Hall, A R, and Huntley, J P, 2007 *A review of the evidence for macrofossil plant remains from archaeological deposits in northern England*, Engl Heritage Res Dept Rep Ser, **87-2007**, Swindon
- Hall, A R, and Kenward, H K, 1990 *Environmental evidence from the Colonia: General Accident and Rougier Street*, Archaeol York, **14.6**, Past Environment of York, London, 289-434
- Hall, A R, Kenward, H K, and Williams, D, 1980 *Environmental evidence from Roman deposits in Skeldergate*, Archaeol York, **14.3**, Past Environment of York, London, 101-56
- Halliday, G, 1997 *A flora of Cumbria*, Lancaster
- Hambleton, E, 1999 *Animal husbandry regimes in Iron Age Britain: a comparative study of faunal assemblages from British Iron Age sites*, BAR Brit Ser, **288**, Oxford
- Hanson, W S, 1982 Roman military timber buildings: construction and reconstruction, in S McGrail (ed), *Woodworking techniques before AD 1500*, BAR Int Ser, **129**, Oxford, 169-86
- Hanson, W S, and Campbell, D B, 1986 The Brigantes: from clientage to conquest, *Britannia*, **17**, 73-89
- Harcourt, R A, 1974 The dog in prehistoric and early historic Britain, *J Archaeol Sci*, **1**, 151-75
- Harding, D W, 2004 *The Iron Age in northern Britain: Celts and Romans, natives and invaders*, Abingdon
- Harting, J E, 1880 *British animals extinct within historic times, with some account of British wild white cattle*, London
- Hartley, B R, 1972 The Roman occupations of Scotland: the evidence of samian ware, *Britannia*, **3**, 1-55
- Hartley, B R, 1980 The Brigantes and the Roman army, in K Branigan (ed), *Rome and the Brigantes*, Sheffield, 2-7
- Hartley, B R, and Dickinson, B M (eds), with Dannell, G B, Fulford, M, Mees, A W, Tyers, P A, and Wilkinson, R H, 2008a *Names on terra sigillata: an index of makers' stamps and signatures in Gallo-Roman terra sigillata (samian ware), 1 (A to AXO)*, Bull Inst Classical Stud Suppl, **102.1**, London
- Hartley, B R, and Dickinson, B M (eds), with Dannell, G B, Fulford, M, Mees, A W, Tyers, P A, and Wilkinson, R H, 2008b *Names on terra sigillata: an index of makers' stamps and signatures in Gallo-Roman terra sigillata (samian ware), 2 (B to CEROTCUS)*, Bull Inst Classical Stud Suppl, **102.2**, London
- Hartley, B R, and Dickinson, B M (eds), with Dannell, G B, Fulford, M, Mees, A W, Tyers, P A, and Wilkinson, R H, 2008c *Names on terra sigillata: an index of makers' stamps and signatures in Gallo-Roman terra sigillata (samian ware), 3 (CERTIANUS to EXSOBANO)*, Bull Inst Classical Stud Suppl, **102.3**, London
- Hartley, B R, and Dickinson, B M (eds), with Dannell, G B, Fulford, M, Mees, A W, Tyers, P A, and Wilkinson, R H, 2009a *Names on terra sigillata: an index of makers' stamps and signatures in Gallo-Roman terra sigillata (samian ware), 4 (F to KLUMI)*, Bull Inst Classical Stud Suppl, **102.4**, London

- Hartley, B R, and Dickinson, B M (eds), with Dannell, G B, Fulford, M, Mees, A W, Tyers, P A, and Wilkinson, R H, 2009b *Names on terra sigillata: an index of makers' stamps and signatures in Gallo-Roman terra sigillata (samian ware)*, 5 (L to MASCULUS), Bull Inst Classical Stud Suppl, **102.5**, London
- Hartley, B R, and Dickinson, B M (eds), with Dannell, G B, Fulford, M, Mees, A W, Tyers, P A, and Wilkinson, R H, 2010 *Names on terra sigillata: an index of makers' stamps and signatures in Gallo-Roman terra sigillata (samian ware)*, 6 (MASCULUS I-BALBUS to OXITTUS), Bull Inst Classical Stud Suppl, **102.6**, London
- Hartley, B R, and Dickinson, B M (eds), with Dannell, G B, Fulford, M, Mees, A W, Tyers, P A, and Wilkinson, R H, 2011a *Names on terra sigillata: an index of makers' stamps and signatures in Gallo-Roman terra sigillata (samian ware)*, 7 (P to RXEAD), Bull Inst Classical Stud Suppl, **102.7**, London
- Hartley, B R, and Dickinson, B M (eds), with Dannell, G B, Fulford, M, Mees, A W, Tyers, P A, and Wilkinson, R H, 2011b *Names on terra sigillata: an index of makers' stamps and signatures in Gallo-Roman terra sigillata (samian ware)*, 8 (S to SYMPHORUS), Bull Inst Classical Stud Suppl, **102.8**, London
- Hartley, B R, and Dickinson, B M (eds), with Dannell, G B, Fulford, M, Mees, A W, Tyers, P A, and Wilkinson, R H, 2012 *Names on terra sigillata: an index of makers' stamps and signatures in Gallo-Roman terra sigillata (samian ware)*, 9 (T to XIMUS), Bull Inst Classical Stud Suppl, **102.9**, London
- Hartley, K F, 1971 Mortaria, in Jones 1971, 64-7
- Hartley, K F, 1973 The kilns at Mancetter and Hartshill, Warwickshire, in A P Detsicas (ed), *Current research in Romano-British coarse pottery: papers given at a CBA conference held at New College, Oxford, March 24 to 26, 1972*, CBA, London, 143-7
- Hartley, K F, 1976 Were mortaria made in Roman Scotland?, *Glasgow Archaeol J*, **4**, 81-9
- Hartley, K F, 1977 Two major potteries producing mortaria in the first century AD, in J N Dore and K Greene (eds), *Roman pottery studies in Britain and beyond*, BAR Int Ser, **S30**, Oxford, 5-18
- Hartley, K F, 1978 The mortaria, in Smith 1978, 146-7
- Hartley, K F, 1981a Painted fine wares made in the Raetian workshops near Wilderspool, Cheshire, in A C Anderson and A S Anderson (eds), *Roman pottery research in Britain and North-west Europe: papers presented to Graham Webster*, BAR Int Ser, **S123**, Oxford, 471-9
- Hartley, K F, 1981b Mortaria, in I MacIvor, M Clare Thomas, and D J Breeze, Excavations on the Antonine Wall fort at Rough Castle, Stirlingshire, 1957-61, *Proc Soc Antiq Scot*, **110** (for 1978-80), 257-68
- Hartley, K F, 1986 Mortaria stamps from the civil settlement, Doncaster, in P C Buckland and J R Magilton, *The archaeology of Doncaster 1: the Roman civil settlement*, BAR Brit Ser, **148**, Oxford, 143-9
- Hartley, K F, 1998 The incidence of stamped mortaria in the Roman Empire with special reference to imports to Britain, in J Bird (ed), *Form and fabric*, Oxford, 199-217
- Hartley, K F, 2000 Catalogue of the stamped mortaria, in Buxton and Howard-Davis 2000, 193-5
- Hartley, K F, 2002 Raetian stamps from Catterick Bypass, Catterick, 1972 (sites 433 and 434) and other excavations, in Wilson 2002, 338-43
- Hartley, K F, 2009 Stamped mortaria, in Rushworth 2009, 532-3
- Hartley, K F, 2012 Raetian mortaria in Britain, *J Roman Pottery Stud*, **15**, 76-95
- Hartley, K F, 2013 Mortaria stamps, in T Wilmott (ed), *Hadrian's Wall: archaeological research by English Heritage 1976-2000*, Swindon, 324-5
- Hartley, K F, 2016 Mortaria, in Breeze 2016, 129-58
- Hartley, K F, in prep Mortarium stamps, in Hird in prep
- Hartley, K F, and Tomber, R, 2006 *A mortarium bibliography with reference to Roman Britain (with a contribution on Wales by Peter Webster)*, J Roman Pottery Stud, **13**, Oxford
- Hartley, K F, and Webster, P V, 1973 Romano-British pottery kilns near Wilderspool, *Archaeol J*, **130**, 77-103
- Haselgrove, C, 1984 'Romanization' before the Conquest: Gaulish precedents and British consequences, in T F C Blagg and A C King (eds), *Military and civilian in Roman Britain: cultural relationships in a frontier province*, BAR Brit Ser, **136**, Oxford, 5-63
- Hassall, M W C, and Tomlin, R S O, 1980 Roman Britain in 1979, II, Inscriptions, *Britannia*, **11**, 403-17
- Hassall, M W C, and Tomlin, R S O, 1981 Roman Britain in 1980, II, Inscriptions, *Britannia*, **12**, 335-96
- Hassall, M W C, and Tomlin, R S O, 1988 Roman Britain in 1987, II, Inscriptions, *Britannia*, **19**, 455-508

- Hassall, M W C, and Tomlin, R S O, 1990 Roman Britain in 1989, II, Inscriptions, *Britannia*, **21**, 365-78
- Hattatt, R, 1987 *Brooches of antiquity*, Oxford
- Hattatt, R, 1989 *Ancient brooches and other artefacts*, Oxford
- Haupt, D, 1984 Römischer Töpfereibezirk bei Soller, Kreis Düren, *Beiträge zur Archäologie des Römischen Rheinlands*, **4** / *Rheinische Ausgrabungen*, **23**, 391-476
- Hayes, J W, 1972 *Late Roman pottery*, London
- Hayes, R H, and Whitley, E, 1950 *The Roman pottery at Norton, East Yorkshire*, Roman Malton Dist Rep, **7**, Leeds
- Haynes, I P, and Wilmott, T, 2013 Roman Temples Project, Maryport, *Hadrian's Wall Archaeol*, **4**, 25-7
- Healy, J F (trans), 1991 *Pliny the Elder: natural history, a selection*, London
- Hemsley, R, 1959 A Romano-British pottery kiln at Manduessedum, *Trans Birmingham Archaeol Soc*, **77**, 5-17
- Henig, M, 1971 The gemstones and other jewellery, in B Cunliffe, *Excavations at Fishbourne 1961-1969. Volume II: the finds*, Res Rep Soc Antiq London, **27**, London, 83-91
- Henig, M, 1972 Roman gems in Dorset, *Proc Dorset Natur Hist Archaeol Soc*, **93**, 183-96
- Henig, M, 1975 A cache of glass gems dating to the second triumvirate, in M Henig, *The Lewis Collection of engraved gemstones in Corpus Christi College, Cambridge*, BAR Int Ser, **S1**, Oxford, 81-94
- Henig, M, 1978 *A corpus of Roman engraved gemstones from British sites*, BAR Brit Ser, **8**, Oxford
- Henig, M, 1984 *Religion in Roman Britain*, London
- Henig, M, 1988 The chronology of Roman engraved gemstones, *J Roman Archaeol*, **1**, 142-52
- Henig, M, 1993 *A handbook of Roman art*, London
- Henkel, F, 1913 *Die römischen fingerringe der Rheinlande und der benachbarten Gebiete*, Berlin
- Henry, F, 1933 Emailleurs d'Occident, *Prehistoire*, **2**, 66-146
- Higham, N J, and Jones, G D B, 1985 *The Carvetii*, Gloucester
- Hill, M O, 1979a *DECORANA - a FORTRAN program for detrended correspondence analysis and reciprocal averaging*, Ithaca, New York
- Hill, M O, 1979b *TWINSPAN: a FORTRAN program for arranging multivariate data in an ordered two-way table by classification of the individuals and attributes*, Ithaca, New York
- Hill, P V, 1970 *The dating and arrangement of the undated coins of Rome, AD 98-148*, London
- Hill, P V, 1977 *The coinage of Septimius Severus and his family of the mint of Rome*, London
- Hillam, J, 1985 Theoretical and applied dendrochronology - how to make a date with a tree, in P Phillips (ed), *The archaeologist and the laboratory*, CBA Res Rep, **58**, London, 17-23
- Hillam, J, 1987 *Tree-ring analysis of Roman timbers from Caerleon, Museum site, 1983-85*, Ancient Monuments Lab Rep, n ser, **43/87**, unpubl rep
- Hillam, J, 1988 *Tree-ring analysis of Roman timbers from Papcastle, Cumbria*, Ancient Monuments Lab Rep, n ser, **148/88**, unpubl rep
- Hillam, J, 1993 The dendrochronology, in C van Driel-Murray, J P Wild, M Seaward, and J Hillam, *The early wooden forts, Vindolanda Res Rep*, n ser, **3**, Bardon Mill, 120-33
- Hillam, J, 2000 Dendrochronology, in Buxton and Howard-Davis 2000, 367-74
- Hillam, J, Morgan, R A, and Tyers, I, 1987 Sapwood estimates and the dating of short ring sequences, in R G W Ward (ed), *Applications of tree-ring studies: current research in dendrochronology and related areas*, BAR Int Ser, **333**, Oxford, 165-85
- Hinchliffe, J, and Williams, J H, 1992 *Roman Warrington: excavations at Wilderspool 1966-9 and 1976*, Brigantia Monog, **2**, Manchester
- Hird, M L, 1977 *A report on the pottery found in pre-Hadrianic levels at Vindolanda during the excavations of 1972-1975*, Bardon Mill
- Hird, M L, 1997 The coarse pottery, in Wilmott 1997, 233-54
- Hird, M L, 2000a The Roman pottery, in McCarthy 2000, 124-35
- Hird, M L, 2000b Coarsewares, in Buxton and Howard-Davis 2000, 155-202

- Hird, M L, 2010 The clay objects, in Padley 2010, 217-22
- Hird, M L, in prep The coarse pottery, in Caruana in prep a
- Hird, M L, and Brooks, C M, 2010 *Roman and medieval Carlisle: the southern Lanes excavations 1981-2. Fascicule 3: the Roman and medieval pottery* [Online] Available at: <https://doi.org/10.5284/1000182> (accessed 1 February 2017)
- Hird, M L, and Howard-Davis, C, in prep Coarsewares, in Howard-Davis *et al* in prep
- Hird, M L, and McCarthy, M R, 1996 *A research design for samian ware from the northern end of the Lanes, Carlisle, Cumbria*, unpubl rep
- Hird, M L, McCarthy, M R, and Hartley, K F, 1996 *A research design for mortaria, with particular reference to mortarium stamps, from the northern end of the Lanes, Carlisle, Cumbria*, unpubl rep
- Hirschfeld, O, and Zangermeister, Z (eds), 1899 *Corpus Inscriptionum Latinarum*, **13: Inscriptiones trium Galliarum et Germanicarum Latinae, Berlin**
- Historic England, 2015 *Management of research projects in the historic environment: the MoRPHE project manager's guide*, London
- Hobley, A S, 1989 The numismatic evidence for the post-Agricolan abandonment of the Roman frontier in northern Scotland, *Britannia*, **20**, 69-74
- Hodgson, G W I, 1976 *The animals of Vindolanda*, Haltwhistle
- Hodgson, J, and Brennand, M, 2006 Prehistoric period resource assessment, in Brennand 2006, 23-58
- Hodgson, N, and Bidwell, P, 2004 Auxiliary barracks in a new light: recent discoveries on Hadrian's Wall, *Britannia*, **35**, 121-57
- Hogg, R, 1952 The historic crossings of the River Eden at Stanwix, and their associated road systems, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **52**, 131-59
- Hogg, R, 1955 Excavations in Carlisle, 1953, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **55**, 59-107
- Hogg, R, 1961 Carlisle: a recently discovered cemetery, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **61**, 296-7
- Holbrook, N, 1998 Shops V.1-V.5 in *Insula V: excavations directed by JS Wachter 1961*, in N Holbrook (ed), *Cirencester excavations V. Cirencester, the Roman town defences, public buildings and shops*, Cirencester, 189-211
- Holbrook, N, and Bidwell, P, 1991 *Roman finds from Exeter*, Exeter Archaeol Rep, **4**, Exeter
- Hollstein, E, 1980 *Mitteleuropäische Eichenchronologie*, Mainz
- Hooper, W D (trans), 1934 *Cato and Varro 'on agriculture'*, Loeb Classical Library, **284**, Cambridge MA
- Horn, J, 2015 Tankards of the British Iron Age, *Proc Prehist Soc*, **81**, 311-14
- Hornsby, W, and Laverick, J D, 1932 A Roman signal-station at Goldsborough, *Archaeol J*, **89**, 203-19
- Howard-Davis, C (ed), 2009a *The Carlisle Millennium Project: excavations in Carlisle 1998-2001. Volume 2: finds*, Lancaster Imprints, **15**, Lancaster
- Howard-Davis, C, 2009b The glass and other finds, in Howard-Davis 2009a, 767-79
- Howard-Davis, C, 2009c Other copper-alloy objects, in Howard-Davis 2009a, 725-45
- Howard-Davis, C, 2009d The worked bone, in Howard-Davis 2009a, 858-68
- Howard-Davis, C, 2009e The goldwork, in Howard-Davis 2009a, 686-7
- Howard-Davis, C, 2009f The wooden artefacts, in Howard-Davis 2009a, 805-16
- Howard-Davis, C, 2009g Other military equipment, in Bishop and Howard-Davis 2009, 705-19
- Howard-Davis, C, 2009h Other objects of iron, in Howard-Davis 2009a, 745-60
- Howard-Davis, C, 2011 The pre-Roman and Roman finds, in Zant *et al* 2011a, 27-30
- Howard-Davis, C, in prep The structural and other wood, in ACH Olivier and H Quartermaine, *Excavations of the Roman extramural settlement at Papcastle, Cumbria*
- Howard-Davis, C, Miller, I, Hair, N J, and Newman, R M, in prep *Excavations at Mitchell's Brewery, and 39 Church Street, Lancaster*
- Howard-Davis, C, and McPhillips, S, 2011 Other finds, in Zant *et al* 2011b, 89-92

- Howe, MD, Perrin, JR, and Mackreth, DF, 1980 *Roman pottery from the Nene Valley: a guide*, Peterborough City Mus Occ Pap, **2**, Peterborough
- Hübner, E W E, 1873 *Corpus Inscriptionum Latinarum: 7, Inscriptiones Britanniae Latinae*, Berlin
- Huckerby, E, and Graham, F, 2009 Waterlogged and charred plant remains, in Howard-Davis 2009a, 926-36
- Hughes, P, Kenward, H, Hall, A, and Large, F, 1998 *Technical report: reconstruction of late Glacial and early Postglacial mire succession and rates of climatic change from plant macrofossils, invertebrate remains and pollen at Church Moss, Davenham, Cheshire (site code: DV95)*, Rep Environ Archaeol Unit, York, **98/26**, unpubl rep
- Huld-Zetsche, I, 1972 *Trierer Reliefsigillata: Werkstatt I, Materialien zur römishgermanischen Keramik*, **9**, Bonn
- Hull, MR, 1932 *The Colchester and Essex Museum annual reports 1932*, Colchester
- Hull, M R, 1963 *The Roman potters' kilns of Colchester*, Rep Res Comm Soc Antiq London, **21**, Oxford
- Hunter, J, Roberts, C, and Martin, A, 1996 *Studies in crime: an introduction to forensic archaeology*, London
- Huntley, B, Huntley, J P, and Birks, H J B, 1981 PHYTOPAK: a suite of computer programs designed for the handling and analysis of phytosociological data, *Vegetatio*, **45**, 85-95
- Huntley, J P, 1992 *Plant remains from excavations at The Lanes, Carlisle, Cumbria: part I - CAL, OGL, OBL and LEL*, Ancient Monuments Lab Rep, n ser, **51/92**, London
- Huntley, J P, 1997 Macrobotanical evidence from the *horrea*, in Wilmott 1997, 141-2
- Huntley, J P, 2000a The plant and wood remains, in McCarthy 2000, 71-9
- Huntley, J P, 2000b Non-structural wood, in Buxton and Howard-Davis 2000, 359-66
- Huntley, J P, 2010 The plant and wood remains, in McCarthy 2010, 107-30
- Huntley, J P, 2012 *The Lanes, Carlisle - the Roman sequence. Charred and waterlogged plant remains and non-structural wood: archive report*, unpubl rep
- Huntley, J P, and Stalibrass, S, 1995 *Plant and vertebrate remains from archaeological sites in northern England: data review and future directions*, Architect Archaeol Soc Durham Northumberland Res Rep, **4**, Durham
- Hurst Vose, R, 1980 *Glass*, London
- Iles, P, 2011 The Roman site at Walton-le-Dale, in T Saunders (ed), *Roman north-west England: hinterland or 'Indian country'*, Archaeol North West, n ser, **2**, Manchester, 37-47
- Issitt, M, Kenward, H, and Milles, A, 1995 *Invertebrate remains from excavations at Low Hauxley, Northumberland (site code: LH94): an assessment*, Rep Environ Archaeol Unit, York, **95/16**, unpubl rep
- Izard, K, 1993 *The animal bones from Birdoswald CAS site 420, Cumbria 1986-1990*, Ancient Monuments Lab Rep, n ser, **13/93**, London
- Izard, K, 1997 The animal bones, in Wilmott 1997, 363-70
- Jackson, R, 1985 Cosmetic sets from late Iron Age and Roman Britain, *Britannia*, **16**, 165-92
- James, H, 1993 Roman Carmarthen, in S Greep (ed), *Roman towns: the Wheeler inheritance. A review of 50 years' research*, CBA Res Rep, **93**, York, 93-8
- James, S, 2001 Soldiers and civilians: identity and interaction in Roman Britain, in S James and M Millett (eds), *Britons and Romans: advancing an archaeological agenda*, CBA Res Rep, **125**, York, 77-89
- Johnson, A, 1906 The Gallo-Roman potters' marks on *terra sigillata* (Samian) ware, found at Lancaster and Quernmore, *Trans Lancashire Cheshire Antiq Soc*, **24**, Manchester, 46-54
- Johnson, A, 1983 *Roman forts of the 1st and 2nd centuries AD in Britain and the German provinces*, London
- Johnson, M, 2005 *A Roman camp and prehistoric site at Monk's Cross, York*, Archaeol York Web Publ, **4** [Online] Available at: <https://www.indb.co.uk> (accessed 1 February 2013)
- Johnson, M, and Anderson, S, 2008 Excavation of two Romano-British pottery kilns and associated structures, Fisher Street, Carlisle, *Trans Cumberland Westmorland Antiq Archaeol Soc*, 3 ser, **8**, 19-35
- Johnson, M, Croom, A, Hartley, K F, and McBride, R, 2012 Two Flavian to Early Antonine Romano-British pottery kilns at 7a Fisher St, Carlisle, *J Roman Pottery Stud*, **15**, 96-139
- Johnstone, C, and Albarella, U, 2002 *The late Iron Age and Romano-British mammal and bird bone assemblage from Elms Farm, Heybridge, Essex*, CfA Rep, **45/2002**, unpubl rep

- Jones, A K G, 1982 Human parasite remains: prospects for a quantitative approach, in A R Hall, and H K Kenward (eds), *Environmental archaeology in the urban context*, CBA Res Rep, **43**, London, 66-70
- Jones, A K G, Hutchinson, A R, and Nicholson, C, 1988 The worms of Roman horses and other finds of intestinal parasite eggs from unpromising deposits, *Antiquity*, **62**, 275-6
- Jones, B C, 1981 The Grey Friars, Carlisle, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **81**, 160-2
- Jones, G D B, 1974 *Roman Manchester*, Altrincham
- Jones, M J, Bird, J, Webster, P, Plowright, G, Hartley, K F, Hodgson, G W I, Wells, C, and Chapman, H, 1977 Archaeological work at Brough under Stainmore 1971-72: 1, the Roman discoveries, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **77**, 17-47
- Jones, M U, 1971 Aldborough, West Riding, 1964: excavations at the south gate and bastion and at extramural sites, *Yorkshire Archaeol J*, **43**, 39-78
- Jones, M U, and Webster, P V, 1969 Derbyshire ware - a reappraisal, *Derbyshire Archaeol J*, **89**, 19-24
- Jones, R F J, 1991 The urbanisation of Roman Britain, in R F J Jones (ed), *Roman Britain: recent trends*, Sheffield, 53-65
- Jones, R H, 2012a The Roman camps at Newstead and their context, in F Hunter and L Keppie (eds), *A Roman frontier post and its people: Newstead 1911-2011*, Edinburgh, 51-61
- Jones, R H, 2012b *Roman camps in Britain*, Stroud
- Kanz, F, and Grossschmidt, K, 2005 Head injuries of Roman gladiators, *Forensic Sci Int*, **160**, 207-16
- Katz-Hyman, M B, 1994 *In the middle of this poverty some cups and a teapot: the material culture of slavery in eighteenth-century Virginia and the furnishing of slave quarters at colonial Williamsburg*, Colonial Williamsburg Library Res Rep, **350**, Williamsburg
- Kay, S O, 1962 The Romano-British pottery kilns at Hazelwood and Holbrook, Derbyshire, *Derbyshire Archaeol J*, **82**, 21-42
- Keeley, H C M, 1990 The soil profile, in McCarthy 1990, 315-16
- Keeley, H C M, in prep The geology and soils, in Caruana in prep a
- Keepax, C A, 1978 Wood identification, in J Bird, A H Graham, H L Sheldon, P Townend (eds), *Southwark Excavations 1972-74: report of Southwark and Lambeth Archaeological Excavation Committee*, Joint Publ London Middlesex Archaeol Soc/Surrey Archaeol Soc, **1**, London
- Keevil, G D, 1989 *Carlisle Cathedral excavations 1988: interim report*, Carlisle Archaeol Unit, unpubl rep
- Keevil, G D, 1996 The reconstruction of the Romano-British villa at Redlands Farm, Northamptonshire, in P Johnson and I Haynes (eds), *Architecture in Roman Britain*, CBA Res Rep, **94**, London, 33-43
- Keevil, G D, 2014 The stratigraphy, in M R McCarthy, A post-Roman sequence at Carlisle Cathedral, *Archaeol J*, **171**, 188-200
- Keevil, G D, Shotter, D C A, and McCarthy, M R, 1989 *A solidus of Valentinian II from Scotch Street, Carlisle*, *Britannia*, **20**, 254-5
- Keller, E, 1971 Die spätrömischen Grabfunde in Südbayern, *Münchner Beiträge zur Vor- und Frühgeschichte*, **14**, München, 247-50
- Kenward, H K, 1978 *The analysis of archaeological insect assemblages: a new approach*, *Archaeol York*, **19.1**, Principles and Method, London
- Kenward, H K, 1982 Insect communities and death assemblages, past and present, in A R Hall and H K Kenward (eds), *Environmental archaeology in the urban context*, CBA Res Rep, **43**, London, 71-8
- Kenward, H K, 1988 Insect remains, in E Schia (ed), *De arkeologiske utgravninger i Gamlebyen, Oslo, Bind 5, Mindets Tomt – Sondrefelt*, Oslo, 115-40
- Kenward, H K, 1992 Rapid recording of archaeological insect remains - a reconsideration, *Circaea* (for 1991), **9**, 81-8
- Kenward, H K, 1997 Synanthropic decomposer insects and the size, remoteness and longevity of archaeological occupation sites: applying concepts from biogeography to past 'islands' of human occupation, in A C Ashworth, P C Buckland, and J T Sadler (eds), *Studies in Quaternary entomology: an inordinate fondness for insects*, *Quaternary Proc*, **5**, 135-52
- Kenward, H K, 1998 *Data archive: insect assemblages from Annetwell Street, Carlisle*, Rep Environ Archaeol Unit, York, **98/1**, unpubl rep
- Kenward, H K, 2009 *Invertebrates in archaeology in the north of England*, Engl Heritage Res Dept Rep Ser, **12/2009**, London

- Kenward, H K, 2011 The insects, in Zant *et al* 2011a, 58-60
- Kenward, H K, Allison, E P, Dainton, M, Kemenes, I K, and Carrott, J B, 2010 The insect and parasite remains, in McCarthy 2010, 131-42
- Kenward, H K, Allison, E P, Morgan, L M, Jones, A K G, and Hutchinson, A R, 1991 The insect and parasite remains, in McCarthy 1991a, 65-72
- Kenward, H K, Dainton, M, Kemenes, I K, and Carrott, J B, 1992a *Evidence from insect remains and parasite eggs from the Old Grapes Lane B site, the Lanes, Carlisle: technical report*, Ancient Monuments Lab Rep, n ser, **76/92/Rep** Environ Archaeol Unit, York, **92/31**, unpubl rep
- Kenward, H K, Dainton, M, Kemenes, I K, and Carrott, J B, 1992b *Evidence from insect remains and parasite eggs from the Lewthwaite's Lane A site, the Lanes, Carlisle: technical report*, Ancient Monuments Lab Rep, n ser, **77/92/Rep** Environ Archaeol Unit, York, **92/32**, unpubl rep
- Kenward, H K, Allison, E P, Dainton, M, Kemenes, I K, and Carrott, J B, 1992c *Evidence from insect remains and parasite eggs from Old Grapes Lane A, the Lanes, Carlisle: technical report*, Ancient Monuments Lab Rep, n ser, **78/92/Rep** Environ Archaeol Unit, York, **92/30**, unpubl rep
- Kenward, H K, Engleman, C, Robertson, A, and Large, F, 1986 Rapid scanning of urban archaeological deposits for insect remains, *Circaea*, **3**, 163-72
- Kenward, H K, and Hall, A R, 1995 *Biological evidence from Anglo-Scandinavian deposits at 16-22 Coppergate*, Archaeol York, **14.7** Past Environment of York, York
- Kenward, H K, and Hall, A R, 1997 Enhancing bioarchaeological interpretation using indicator groups: stable manure as a paradigm, *J Archaeol Sci*, **24** (7), 663-73
- Kenward, H K, Hall, A R, and Jones, A K G, 1980 A tested set of techniques for the extraction of plant and animal macrofossils from waterlogged archaeological deposits, *Sci and Archaeol*, **22**, 3-15
- Kenward, H K, and Large, F D, 1986 *Insect remains from the Annetwell Street site, Carlisle. Report 1: selected samples from Level X*, Rep Environ Archaeol Unit, York, **86/20**, unpubl rep
- Kenward, H K, Large, F D, and Carrott, J B, 1998 *The archaeological significance of insect and other invertebrate remains from Keay's Lane and Law's Lane, the Lanes, Carlisle: technical report*, Rep Environ Archaeol Unit, York, **98/32**, unpubl rep
- Kilbride-Jones, H E, 1980 *Celtic craftsmanship in bronze*, London
- Kimmerle, E H, and Baraybar, J P, 2008 *Skeletal trauma: identification of injuries resulting from human rights abuse and armed conflict*, Inbunden
- King, A C, 1978 A comparative survey of bone assemblages from Roman sites in Britain, *Bull Inst Archaeol* (London), **15**, 207-32
- King, A C, 1984 Animal bones and the dietary identity of military and civilian groups in Roman Britain, Germany, and Gaul, in T F C Blagg and A C King (eds), *Military and civilian in Roman Britain*, BAR Brit Ser, **136**, Oxford, 187-217
- Kloet, G S, and Hincks, W D, 1964-77 *A checklist of British insects, Parts 1-5*, Roy Entomol Soc, London
- Knight, B, 1991 *Forensic pathology*, London
- Knight, B, 1996 *Forensic pathology*, 2nd edn, London
- Knorr, R, 1919 *Töpfer und Fabriken verzierter Terra-Sigillata des ersten Jahrhunderts*, Stuttgart
- Knorr, R, 1952 *Terra-Sigillata-Gefäße des ersten Jahrhunderts mit Töpfernamen*, Stuttgart
- Knorr, R, and Sprater, F, 1927 *Die westpfälzischen Sigillata-Töpfereien von Blickweiler under Eschweiler*, Speyer
- Knüsel, C J, and Outram, A K, 2004 Fragmentation: the zonation method applied to fragmented human remains from archaeological and forensic contexts, *Environ Archaeol: J Human Palaeoecol*, **9**, 85-97
- Kosevic, R, 1991 *Anticka bronca iz Siskia: umjetnicko-obrtna metalna produkcija iz razdoblja rimskog carstva*, Zagreb
- Kramis, S, 2009 Unusual treatment of the dead outside cemeteries in Roman times, in E Brambilla (ed), *Time, life and afterlife in society and religion*, Pisa, 86-105
- Lamb, H H, 1981 Climate from 1000 BC to 1000 AD, in M Jones and G Dimbleby (eds), *The environment of man: the Iron Age to the Anglo-Saxon period*, BAR Brit Ser, **87**, Oxford, 53-65
- Large, F D, and Kenward, H K, 1987a *Insect remains from the Annetwell Street site, Carlisle. Report 2: samples from Level VI*, Rep Environ Archaeol Unit, York, **87/14**, unpubl rep
- Large, F D, and Kenward, H K, 1987b *Insect remains from the Annetwell Street site, Carlisle. Report 3: samples from Level IV*, Rep Environ Archaeol Unit, York, **87/15**, unpubl rep

- Large, F D, and Kenward, H K, 1987c *Insect remains from the Annetwell Street site, Carlisle. Report 4: period 3 A structures*, Rep Environ Archaeol Unit, York, **87/16**, unpubl rep
- Large, F D, and Kenward, H K, 1988a *Insect remains from the Annetwell Street site, Carlisle. Report 5: period 3 structures*, Rep Environ Archaeol Unit, York, **88/15**, unpubl rep
- Large, F D, and Kenward, H K, 1988b *Insect remains from the Annetwell Street site, Carlisle. Report 6: samples from period 3 roads*, Rep Environ Archaeol Unit, York, **88/16**, unpubl rep
- Large, F D, and Kenward, H K, 1988c *Insect remains from the Annetwell Street site, Carlisle. Report 7: miscellaneous samples from period pre-3 to period 4*, Rep Environ Archaeol Unit, York, **88/17**, unpubl rep
- Large, F D, and Kenward, H K, 1988d *Insect remains from the Annetwell Street site, Carlisle. Report 8: Level X structures*, Rep Environ Archaeol Unit, York, **88/18**, unpubl rep
- Large, F D, and Kenward, H K, 1988e *Insect remains from the Annetwell Street site, Carlisle. Report 9: miscellaneous samples from Level VII, Level IX, Level X and period 3*, Rep Environ Archaeol Unit, York, **88/19**, unpubl rep
- Lawson, A J, 1976 Shale and jet objects from Silchester, *Archaeologia*, **105**, 241-75
- Leary, R S, 2007 The Romano-British coarsewares, in F Brown, C Howard-Davis, M Brennand, A Boyle, T Evans, S O'Connor, A Spence, R Heawood, and A Lupton, *The archaeology of the A1(M) Darrington to Dishforth DBFO Road Scheme*, Lancaster Imprints, **12**, Lancaster, 236-53
- Leary, R S, in prep The Romano-British coarsewares, in Zant in prep
- Letts, J B, 2000 *Smoke blackened thatch: a unique source of late medieval plant remains from southern England*, London
- Levitan, B, 1989 The vertebrate remains from Chichester cattle market, in A Down (ed), *Chichester excavations*, **6**, Chichester, 242-76
- Ling, R, 1992 A collapsed building facade at Carsington, Derbyshire, *Britannia*, **23**, 233-6
- Lloyd-Morgan, G, 1977 Two Roman mirrors from Corbridge, *Britannia*, **8**, 335-8
- Lloyd-Morgan, G, 1981a *Description of the collections in the Rijksmuseum G M Kam at Nijmegen. IX: the mirrors*, Nijmegen
- Lloyd-Morgan, G, 1981b Roman mirrors and the third century, in A King and M Henig (eds), *The Roman West in the third century*, BAR Int Ser, **S109**, Oxford, 145-57
- Lloyd-Morgan, G, 1983 Some mirrors from Roman Canterbury, *Archaeol Cantiana*, **99**, 231-6
- Lloyd-Morgan, G, 1991 *The Roman mirror from Lewthwaite's Lane*, unpubl rep
- Lloyd-Morgan, G, 1992 Rectangular mirror, in D R Evans and V M Metcalf, *Roman gates, Caerleon: the 'Roman gates' site in the fortress of the 2nd Augustan Legion at Caerleon, Gwent. The excavations of the Roman buildings and evidence for early medieval activity*, Oxbow Monog, **15**, Oxford, 161
- Locker, A, 1990 The mammal, bird and fish bones, in D S Neal, A Wardle, and J Hunn, *Excavation of the Iron Age, Roman and medieval settlement at Gorhambury, St Albans*, Engl Heritage Archaeol Rep, **14**, London, 205-12
- Loe, L, Barker, C, and Wright, R, 2014 An osteological profile of trench warfare: peri-mortem trauma sustained by soldiers who fought and died in the Battle of Fromelles, 1916, in C Knüsel and M Smith (eds), *The Routledge handbook of the bioarchaeology of human conflict*, London, 575-601
- Loeschke, S, 1919 *Lampen aus Vindonissa*, Zurich
- Lott, D A, 2009 *The Staphylinidae (rove beetles) of Britain and Ireland, Part 5: Scaphidiinae, Piestinae, Oxytelinae*, Handbooks for the identification of British insects, Royal Entomological Society/Field Studies Council, **12(5)**, Shrewsbury
- Loughlin, N, 1977 Dales ware: a contribution to the study of Roman coarse pottery, in D P S Peacock (ed), *Pottery and early commerce: characterization and trade in Roman and later ceramics*, London, 85-146
- Lovejoy, C O, Meindl, R S, Pryzbeck, T R, and Mensforth, R P, 1985 Chronological metamorphosis of the auricular surface of the ilium: a new method for the determination of adult skeletal age at death, *American J Phys Anthropol*, **68**, 15-28
- Ludowici, W, 1905 *Katalog II: Stempelbilder römischer Töpfer aus meinen Ausgrabungen in Rheinabern, 1901-1905*, München
- Ludowici, W, 1927 *Katalog V: Stempel-Namen und Bilder römischer Töpfer, Legions-Ziegel-Stempel, Formen von Sigillata und anderen Gefäßen aus meinen Ausgrabungen in Rheinabern 1901-1914*, Jockgrim

- Luff, R, 1993 *Animal bones from excavations in Colchester, 1971-85*, Colchester Archaeol Rep, **12**, Colchester
- Lyman, L, 1994 *Vertebrate taphonomy*, Cambridge
- McCarthy, M R, 1990 *A Roman, Anglian, and medieval site at Blackfriars Street, Carlisle*, Cumberland Westmorland Antiq Archaeol Soc, Res Ser, **4**, Kendal
- McCarthy, M R, 1991a *The Roman waterlogged remains and later features at Castle Street, Carlisle: excavations 1981-2*, Cumberland Westmorland Antiq Archaeol Soc, Res Ser, **5**, Kendal
- McCarthy, M R, 1991b *The structural sequence and environmental remains from Castle Street, Carlisle: excavations 1981-2*, Cumberland Westmorland Antiq Archaeol Soc Res Ser, **5**, fasc 1, Kendal
- McCarthy, M R, 1993 *Carlisle: history and guide*, Stroud
- McCarthy, M R, 1995 *Archaeological and environmental evidence for the Roman impact on vegetation near Carlisle, Cumbria, Holocene*, **5**, 491-5
- McCarthy, M R, 1999a *Stanwix - Petriana*, in P Bidwell (ed), *Hadrian's Wall 1989-1999: a summary of recent excavations and research*, Carlisle, 162-8
- McCarthy, M R, 1999b *Carlisle - Luguvalium*, in P Bidwell (ed), *Hadrian's Wall 1989-1999: a summary of recent excavations and research*, Carlisle, 168-77
- McCarthy, M R, 2000 *Roman and medieval Carlisle: the southern Lanes, excavations 1981-2*, Univ Bradford Res Rep, **1**, Carlisle
- McCarthy, M R, 2002 *Roman Carlisle and the lands of the Solway*, Stroud
- McCarthy, M R, 2003 *Luguvalium (Carlisle); a civitas capital on the northern frontier*, in P Wilson (ed), *The archaeology of Roman towns; studies in honour of John S Wachter*, Oxford, 145-55
- McCarthy, M R, 2010 *Roman and medieval Carlisle, the Lanes Volume 1: excavations at Old Grapes, Crown and Anchor and Lewthwaite's Lanes 1981-2. Fascicule 1: the stratigraphic sequence, absolute dating and the environmental remains* [Online] Available at: <https://doi.org/10.5284/1000182> (accessed 1 February 2017)
- McCarthy, M R, and Kenward, H K, 1996 *A research design for insect remains from the northern end of The Lanes, Carlisle, Cumbria*, unpubl doc
- McCarthy, M R, Padley, T G, and Brooks, C, 1992 *Not drowning but waving: one approach to the problem of the publication of large archaeological assemblages*, *Antiquity*, **66** (251), 433-6
- McCarthy, M R, Padley, T G, and Henig, M, 1982 *Excavations and finds from the Lanes, Carlisle, Britannia*, **13**, 79-90
- McCarthy, M R, Padley, T G, and Taylor, J, 1988 *The Lanes project: an assessment*, unpubl rep
- McCarthy, M R, Summerson, H R T, and Annis, R G, 1990 *Carlisle Castle: a survey and documentary history*, Engl Heritage Archaeol Rep, **18**, London
- MacConnoran, P, 1986 *Footwear*, in Miller *et al* 1986, 218-26
- MacDonald, K C, 1992 *The domestic chicken (Gallus) in sub-Saharan Africa: a background to its introduction and its osteological differentiation from indigenous fowls (Numinidae and Francolinus sp)*, *J Archaeol Sci*, **19**, 303-18
- McDonald, G, and Park, A, 1906 *The Roman forts on Bar Hill*, Glasgow
- MacGregor, A, 1985 *Bone, antler, ivory and horn: the technology of skeletal materials since the Roman period*, London
- McIntyre, J, and Richmond, I A, 1934 *Tents of the Roman Army and leather from Birdoswald*, *Trans Cumberland Westmorland Antiq Archaeol Soc, n ser*, **34**, 62-90
- Mackensen, M, 1978 *Das römische Gräberfeld auf der Keckwiese in Kempten*, Kallmünz/Opf
- Mackreth, D F, 1990 *Brooches*, in McCarthy 1990, 105-13
- Mackreth, D F, 2011 *Brooches in late Iron Age and Roman Britain*, 2 vols, Oxford
- McWhirr, A D, 1978 *Cirencester, 1973-6: tenth interim report*, *Antiq J*, **58**, 61-80
- Maaskant-Kleibrink, M, 1975 *Classification of ancient engraved gems: a study based on the collection in the Royal Coin Cabinet, The Hague, with a history of that collection*, Leiden
- Maaskant-Kleibrink, M, 1978 *Catalogue of the engraved gems in the Royal Coin Cabinet, The Hague*, Wiesbaden
- Madsen, B, 1983 *New evidence of Late Palaeolithic settlement in East Jutland*, *J Danish Archaeol*, **2**, 12-31

- Magie, D (trans), 1932 *Historia Augusta, Volume III: the two Valerians; the two Gallieni; the thirty pretenders; the deified Claudius; the deified Aurelian; Tacitus; Probus; Firmus, Saturninus, Proculus and Bonosus; Carus, Carinus and Numerian*, Loeb Classical Library, **263**, Cambridge, MA
- Maigrot, Y, 2011 Neolithic polished stone axes and hafting systems: technical use and social function at the Neolithic lakeside settlements of Chalain and Clairvaux, in V Davis and M Edmonds (eds), *Stone axe studies III*, Oxford, 281-94
- Maiuri, A, 1932 *La Casa del Menandro e il suo tesoro di Argenteria*, Rome
- Maltby, M, 1979 *The animal bones from Exeter 1971-1975*, Exeter Archaeol Rep, **2**, Sheffield
- Maltby, M, 1987 *The animal bones from the excavations at Owslebury, Hants: an Iron Age and early Romano-British settlement*, Ancient Monuments Lab Rep, n ser, **6/87**, unpubl rep
- Maltby, M, 1993 Animal bones, in P J Woodward, S M Davies, and A H Graham (eds), *Excavations at the Old Methodist Chapel and Greyhound Yard, Dorchester, 1981-1984*, *Dorset Natur Hist Archaeol Soc*, **12**, 315-40
- Maltby, M, 1997 Domestic fowl on Romano-British sites: intersite comparisons of abundance, *Int J Osteoarchaeol*, **7**, 402-14
- Manning W H, 1968 An iron lever padlock from Caerleon, Monmouthshire, *Bull Board Celtic Stud*, **22**, 410-16
- Manning, W H, 1971 Iron padlock, in B Cunliffe, *Excavations at Fishbourne. II: the finds*, Rep Res Comm Soc Antiq London, **27**, London, 140-3
- Manning, W, 1985 *Catalogue of the Romano-British iron tools, fittings, and weapons in the British Museum*, London
- Maples, W R, 1999 Trauma analysis by the forensic anthropologist, in K J Reichs (ed), *Forensic osteology: advances in the identification of human remains*, 2nd edn, Springfield, 218-28
- Marsden, E W, 1969 *Greek and Roman artillery: historical development*, Oxford
- Martin, G, and Reeves, J, 2001 *Report on an archaeological investigation on land between the A66 and Frenchfield Farm, Penrith, Cumbria*, Carlisle Archaeol, unpubl rep
- Martin, L, Richardson, J, and Roberts, I, 2013 *Iron Age and Roman settlements at Wattle Syke*, Leeds
- Mason, DJP, 1980 *Excavations at Chester: 11-15 Castle Street and neighbouring sites 1974-8. A possible Roman posting house (mansio)*, Grosvenor Mus Archaeol Excav Surv Rep, **2**, Chester
- Mattingly, H (trans), 1948 *Tacitus on Britain and Germany: a new translation of the Agricola and the Germania*, London
- Mattingly, H, 1963 The Lightwood (Staffs) hoard, *N Staffordshire J Field Stud*, **3**, 19-36
- Mattingly, H, Sydenham, E A, and Sutherland, C H V (eds), 1923-2007 *The Roman imperial coinage*, 9 vols, London
- Maxfield, V A, forthcoming *Excavation at Camelton Roman forts, 1975-1981*
- May, T, and Hope, L E, 1917 Catalogue of the Roman pottery in the museum, Tullie House, Carlisle, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **17**, 114-97
- Meindl, R S, and Lovejoy, C O, 1985 Ectocranial suture closure: a revised method for the determination of skeletal age at death based on lateral anterior sutures, *American J Phys Anthropol*, **68**, 57-66
- Merrifield, R, 1983 *London, city of the Romans*, London
- Merrifield, R, 1987 *The archaeology of ritual and magic*, London
- Miket, R, 1983 *The Roman fort at South Shields: excavations of the defences 1977-81*, Newcastle upon Tyne
- Miles, A E W, 1963 The dentition in the assessment of individual age in skeletal material, in D Brothwell (ed), *Dental anthropology*, Oxford, 191-209
- Miles, A E W, and Grigson, C, 1990 *Colyer's variations and diseases of the teeth of animals*, Cambridge
- Miller, L, Schofield, J, and Rhodes, M, 1986 *The Roman quay at St Magnus House, London*, London Middlesex Archaeol Soc, Spec Pap, **8**, London
- Mills, J, 2000 Samian, in C Howard-Davis and K Buxton, *Roman forts in the Fylde: excavations at Dowbridge, Kirkham*, Centre for North-West Regional Studies, Lancaster, 47-50
- Milner, N P (trans), 1993 *Vegetius: epitome of military science*, Liverpool

- Molleson, T, and Cox, M, 1993 *The Spitalfields Projects, Volume II: the middling sort*, CBA Res Rep, **86**, York
- Mommsen, T, 1872 *Corpus Inscriptionum Latinarum: 5, Inscriptiones Galliae Cisalpiniae Latinae*, Berlin
- Mommsen, T, 1873 *Corpus Inscriptionum Latinarum: 3, Inscriptiones Asiae, provinciarum Europae Graecarum, Illyrici Latinae*, Berlin
- Monaghan, J, 1997 *Roman pottery from York*, Archaeol York, **16.8** The Pottery, York
- Moore, C H (trans and ed), 1925 *Tacitus, Histories 1-3*, Loeb Classical Library, **111**, Cambridge MA
- Mould, Q, 1991 Metalwork, in Austen 1991, 185-212
- Mould, Q, 1997 Leather, in Wilmott 1997, 326-40
- Mould, Q, 2009 The Roman shoes, in Howard-Davis 2009a, 831-41
- Mould, Q, 2011 *Domestic life*, in L Allason-Jones (ed), *Artefacts in Roman Britain: their purpose and use*, Cambridge, 53-79
- Mulkeen, S, and O'Connor, T P, 1997 Raptors in towns: towards an ecological model, *Int J Osteoarchaeol*, **7**, 440-9
- Munro, M A R, 1984 An improved algorithm for cross-dating tree-ring series, *Tree Ring Bull*, **44**, 17-27
- Neal, DS, 1996 Upper storeys in Romano-British villas, in P Johnson and I Haynes (eds), *Architecture in Roman Britain*, CBA Res Rep, **94**, York, 33-43
- Nees, L, 2002 *Early medieval art*, Oxford
- Newman, C, and Newman, R (eds), 2007 The medieval period research agenda, in Brennand 2007, 95-114
- Newman, R M (ed), 2011a *Carlisle: excavations at Rickergate, 1998-9 and 53-55 Botchergate, 2001*, Cumbria Archaeol Res Rep, **2**, Bowness-on-Windermere
- Newman, R M, 2011b The early medieval period, in M Brennand and K J Stringer (eds), *The making of Carlisle: from Romans to railways*, Cumberland Westmorland Antiq Archaeol Soc, Extra Ser, **35**, Kendal, 69-84
- Noddle, B A, 1975 A comparison of the animal bones from 8 medieval sites in southern Britain, in AT Clason (ed), *Archaeozoological studies*, Amsterdam, 248-60
- Noddle, B, 1993 Bones of larger mammals, in P J Casey and J L Davies, with J Evans, *Excavations at Segontium (Caernarfon) Roman fort, 1975-1979*, CBA Res Rep, **90**, London, 97-118
- Noddle, B A, 1994 The under-rated goat, in A Hall and H Kenward (eds), *Urban-rural connexions: perspectives from environmental archaeology*, Symposia Assoc Environ Archaeol, **12**, Oxford, 117-28
- North Pennines Archaeology, 2004a *Interim report for an archaeological excavation at the Maltsters' Arms, 17 John Street, Caldewgate, Carlisle*, unpubl rep
- North Pennines Archaeology, 2004b *Assessment report on an archaeological excavation at 42-48 Scotch Street, Carlisle, Cumbria*, unpubl rep
- O'Connor, T P, 1993 Bird Bones, in P J Casey and J L Davies, with J Evans (eds), *Excavations at Segontium (Caernarfon) Roman fort, 1975-1979*, CBA Res Rep, **90**, York, 119
- O'Connor, T P, 2000 *The archaeology of animal bones*, Stroud
- O'Connor, T P, 2003 *The analysis of urban animal bone assemblages: a handbook for archaeologists*, Archaeol York, **19.2** Principles and Methods, York
- O'Connor, T P, 2007 Wild or domestic? Biometric variation in the cat *Felis silvestris* schreber, *Int J Osteoarchaeol*, **17/6**, 581-95
- Oldenstein, J, 1976 *Zur Ausrüstung römischer Auxiliareinheiten: Studien zu Beschlägen und Zierat an der Ausrüstung der römischen Auxiliareinheiten des obergermanisch-raetischen Limesgebietes aus dem zweiten und dritten Jahrhundert n. Chr.*, Bericht der Römisch-Germanischen Kommission, **57**, Mainz, 51-284
- Ortner, D J, and Putschar, W G, 1981 *Identification of pathological conditions in human skeletal remains*, Washington DC
- Orton, C, 1989 An introduction to the quantification of assemblages of pottery, *J Roman Pottery Stud*, **2**, 94-7
- Oswald, F, 1936 *Index of figure-types on terra sigillata*, Liverpool
- Ottaway, P, 1992 *Archaeology in British towns, from the Emperor Claudius to the Black Death*, London
- Ottaway, P, 2004 *Roman York*, 2nd edn, London
- Owen-Smith, H S, 1981 *High velocity missile wounds*, London

- OA North, 2003 *Carlisle Archives Project, Stage 1 report*, unpubl rep
- OA North, 2006 *The northern Lanes, Carlisle, Cumbria: proposals*, unpubl rep
- OA North, 2009 *The Lanes, Carlisle, Volume 2: project design for completion of the publication programme*, unpubl rep
- OA North, 2011 *The Lanes, Carlisle, Volume 2: project design for completion of the publication programme of the Roman material, vs 1.1*, unpubl rep
- OA North, 2012 *The Lanes, Carlisle, Volume 2: assessment and updated project design for the animal bone and charred plant remains from the latest Roman phases, vs 2*, unpubl doc
- OA North, 2013 *The distribution of waterlogged deposits in Carlisle: final report*, unpubl rep
- Padley, T G, 1991a *The metalwork, glass and stone objects from Castle Street, Carlisle: excavations 1981-2*, Cumberland Westmorland Antiq Archaeol Soc, Res Ser, 5, fasc 2, Kendal
- Padley, T G, 1991b *The wooden objects*, in Padley and Winterbottom 1991, 203-27
- Padley, T G, 1991c *The bone objects*, in Padley and Winterbottom 1991, 190-202
- Padley, T G, 1991d *The Roman shoes*, in Padley and Winterbottom 1991, 228-43
- Padley, T G, 2000 *The other Roman material*, in McCarthy 2000, 95-118
- Padley, T G, 2010 *Roman and medieval Carlisle, the Lanes Volume 1: excavations at Old Grapes, Crown and Anchor and Lewthwaite's Lanes 1981-2. Fascicule 2: the Roman and medieval finds* [Online] Available at: <https://doi.org/10.5284/1000182> (accessed 1 February 2017)
- Padley, T G, in prep a *Copper alloy*, in Caruana in prep a
- Padley, T G, in prep b *Lead*, in Caruana in prep a
- Padley, T G, in prep c *Jet, shale and amber*, in Caruana in prep a
- Padley, T G, in prep d *Wooden objects*, in Zant and Howard-Davis in prep
- Padley, T G, in prep e *The shoes*, in Caruana in prep a
- Padley, T G, in prep f *The shoes*, in Caruana in prep b
- Padley, T G, in prep g *The shoes*, in Zant and Howard-Davis in prep
- Padley, T G, McCarthy, M R, Price, J, and Worrell, S, 1996 *A research design for Roman glass from the northern end of the Lanes, Carlisle, Cumbria*, unpubl rep
- Padley, T G, and Richardson, C, 2010 *The stone and amber objects*, in Padley 2010, 223-37
- Padley, T G, and Winterbottom, S, 1991 *The wooden, leather and bone objects from Castle Street, Carlisle: excavations 1981-2*, Cumberland Westmorland Antiq Archaeol Soc Res Ser, 5, fasc 3, Kendal
- Panseri, C, and Leoni, M, 1956 *Esame di specchi bronzei, ritrovati in sepolcreti Romani dell'Alta Lombardia, del I e II secolo dC*, *Sibrium*, 3, 179-83
- Patten, T, 1974 *The Roman cemetery on London Road, Carlisle*, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, 74, 8-13
- Payne, S, 1969 *A metrical distinction between sheep and goat metacarpals*, in P J Ucko and G W Dimbleby (eds), *The domestication and exploitation of plants and animals*, London, 295-305
- Payne, S, 1975 *Partial recovery and sampling bias*, in A T Clason (ed), *Archaeozoological studies*, Amsterdam, 7-17
- Payne, S, 1985 *Morphological distinctions between the mandibular teeth of young sheep, Ovis, and goats, Capra*, *J Archaeol Sci*, 12, 139-47
- Payne, S, 1987 *Reference codes for wear states in the mandibular cheek teeth of sheep and goats*, *J Archaeol Sci*, 14, 609-14
- Payne, S, 1988 *Animal bones from Tell Rubeidheh*, in R G Killick (ed), *Tell Rubeidheh: an Uruk village in the Jebel Hamrin, Iraq* *Archaeol Rep*, 2, Warminster, 98-135
- Payne, S, and Bull, G, 1988 *Components of variation in measurement of pig bones and teeth, and the use of measurements to distinguish wild from domestic pig remains*, *Archaeozoologia*, 2, 27-65
- Peacock, D P S, and Williams, D, 1986 *Amphorae and the Roman economy: an introductory guide*, London and New York
- Percival, J, 1981 *The Roman villa*, 2nd edn, London
- Perriam, D R, 1976 *The demolition of Carlisle city walls*, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, 76, 184-98

- Perriam, D R, 1992 *Carlisle, an illustrated history*, Carlisle
- Perrin, J R, 1990 *Roman pottery from the Colonia, 2: General Accident and Rougier Street*, Archaeol York, **16.4**, London
- Perring, D, 1987 Domestic buildings in Romano-British towns, in J Schofield and R Leech (eds), *Urban archaeology in Britain*, CBA Res Rep, **61**, York, 147-55
- Perring, D, 1991 *Roman London*, London
- Perring, D, 2002 *The Roman house in Britain*, Abingdon
- Phillips, E J, 1976 A workshop of Roman sculptors at Carlisle, *Britannia*, **7**, 101-8
- Philpott, R, 2006 The Romano-British period resource assessment, in Brennan 2006, 59-90
- Piggott, S, 1965 *Ancient Europe*, London
- Pinkernelle, K, 2007 *The iconography of ancient Greek and Roman jewellery*, unpubl MPhil thesis, Univ Glasgow
- Pitts, L F, and St Joseph, J K, 1985 *Inchtuthil, the Roman legionary fortress*, Britannia Monog, **6**, London
- Potter, T W, and Johns, C, 1992 *Roman Britain*, Berkeley and Los Angeles
- Price, J, 1990 Roman vessel and window glass, in McCarthy 1990, 163-79
- Price, J, and Cottam, S, 2000 Glass, in Buxton and Howard-Davis 2000, 279-93
- Price, J, and Cottam, S, 2010 The Roman glass, in Padley 2010, 238-59
- Pringle, S, 2009 The ceramic building materials, in Howard-Davis 2009a, 887-902
- Proctor, J, 2012 *Faverdale, Darlington: excavations at a major settlement in the northern frontier zone of Roman Britain*, Pre-Construct Archaeol Monog, **15**, Durham
- Prummel, W, and Frisch, H J, 1986 A guide for the distinction of species, sex and body side in bones of sheep and goat, *J Archaeol Sci*, **13**, 567-77
- Queens University Belfast, nd *QUB dendrochronology raw data* [Online] Available at: http://www.chrono.qub.ac.uk/bennett/dendro_data/dendro.html (accessed 15 February 2019)
- Rackham, H (trans), 1938 *Pliny: Natural History, Volume I: Books 1-2*, Loeb Classical Library, **330**, Cambridge MA
- Rackham, H (trans), 1952 *Pliny: Natural History, Volume IX: Books 33-35*, Loeb Classical Library, **394**, Cambridge MA
- Rackham, O, 1990 *Trees and woodland in the British landscape*, 2nd edn, London
- Rahtz, P, and Greenfield, E, 1977 *Excavations at Chew Valley Lake, Somerset*, Dept Environ Archaeol Rep, **8**, London
- Rankov, N B, Hassall, M W C, and Tomlin, R S O, 1982 Roman Britain in 1981, *Britannia*, **13**, 328-422
- Redfern, R C, 2011 A re-appraisal of the evidence for violence in the Late Iron Age human remains from Maiden Castle hillfort, Dorset, England, *Proc Prehist Soc*, **77**, 111-38
- Reece, R, 1988 Numerical aspects of Roman coin hoards in Britain, in P J Casey and R Reece (eds), *Coins and the archaeologist*, 2nd edn, London, 86-101
- Rees, S, 2011 Agriculture, in L Allason-Jones (ed), *Artefacts in Roman Britain: their purpose and use*, Cambridge, 89-113
- Reeve, M D (ed), 2004 *Epitoma rei militarii*, Oxford Medieval Texts, Oxford
- Reid-Henry, D, and Harrison, C, 1988 *The history of the birds of Britain*, London
- Reimer, P J, Bard, E, Bayliss, A, Beck, J W, Blackwell, P, Bronk Ramsey, C, Buck, C E, Cheng, H, Edwards, R L, Friedrich, M, Grootes, P M, Guilderson, T P, Haflidason, H, Hajdas, I, Hatté, C, Heaton, T J, Hoffmann, D L, Hogg, A G, Hughen, K A, Kaiser, K F, Kromer, B, Manning, S W, Niu, M, Reimer, R W, Richards, D A, Scott, E M, Southon, J R, Staff, R A, Turney, C S M, and van der Plicht, J, 2009 IntCal09 and Marine09 radiocarbon age calibration curves 0–50,000 years cal BP, *Radiocarbon*, **51**, 1111-50
- Rhodes, M, 1980 The leather footwear, in D M Jones, *Excavations at Billingsgate Buildings 'Triangle': Lower Thames Street 1974*, London Middlesex Archaeol Soc, Spec Pap, **4**, London, 99-128
- Rhodes, M, 1991 The shoe, in R C Turner, M Rhodes, and J P Wild, *The Roman body found on Grewelthorpe Moor in 1850: a reappraisal*, *Britannia*, **22**, 194-6
- Richardson, A, 2002 Camps and forts of units and formations of the Roman army, *Oxford J Archaeol*, **21.1**, 93-107

- Richardson, B, 1986 The pottery, in Miller *et al* 1986, 96-138
- Richardson, C, 1990 A catalogue of recent acquisitions to Carlisle Museum, and reported finds from the Cumbria area, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **90**, 1-98
- Richardson, C, 2000 The prehistoric finds, in McCarthy 2000, 93-4
- Richardson, C, 2010 The lithic material, in Padley 2010, 223-6
- Richmond, I A, Birley, E B, and Simpson, I A, 1930 Excavations on Hadrian's Wall in the Birdoswald-Pike Hill sector, 1929, Part I: Birdoswald fort, *Cumberland Westmorland Antiq Archaeol Soc*, n ser, **30**, 169-205
- Richmond, I A, and Gillam, J P, 1952 Report of the Cumberland excavation committee for 1947-49, 3, Milecastle 79 (Solway), *Trans Cumberland Westmorland Archaeol Antiq Soc*, n ser, **52**, 17-37
- Richter, G M A, 1970 *The sculpture and sculptors of the Greeks*, London
- Ricken, H, and Fischer, C, 1963 *Die Bilderschüsseln den römischen Töpfer von Rheinzabern: Textband mit Typenbildern zukatalog VI der Ausgrabungen von Wilhelm Ludowici in Rheinzabern 1901-1914, materialen zur römischen germanischen keramic*, **7**, Bonn
- Rigby, V, 1976 Gallo-Belgic and other imported wares, in Stead 1976, 127-35
- Ritterling, E, 1913 Das fruhromische lager bei Hofheim im Tausus, *Annalen des Vereins fur Nassauische Alterumskunde und Geschichtsforschung*, **40**, Wiesbaden
- Rivet, A L F, and Smith, C, 1981 *The place-names of Roman Britain*, London
- Roberts, C, 1997 *Lecture notes MSc osteology, palaeopathology and funerary archaeology*, Bradford Univ, unpubl doc
- Roberts, C, and Manchester, K, 1995 *The archaeology of disease*, Stroud
- Robertson, A, Scott, M, and Keppie, L, 1975 *Bar Hill: a Roman fort and its finds*, BAR Brit Ser, **16**, Oxford
- Rodriguez-Almeida, E R, 1984 *Il monte Testaccio: ambiente, storia, materiali (studi e materiali dei musei e monumenti comunali di Roma)*, Rome
- Rogers, A, 2011 *Late Roman towns in Britain: rethinking change and decline*, Cambridge
- Rogers, G B, 1974 *Poteries sigillées de la Gaule Centrale, I: les motifs non figurés*, Gallia Suppl, **28**, Paris
- Rogers, G B, 1999 *Poteries sigillées de la Gaule Centrale, II: les potiers*, 2 vols, Lezoux
- Rorison, M, 2001 *Vici in Roman Gaul*, BAR Int Ser, **933**, Oxford
- Ross, A, 1967 *Pagan Celtic Britain: studies in iconography and tradition*, London
- Rush, P, Dickinson, B, Hartley, B, and Hartley, K F, 2000 *Roman Castleford: excavations 1974-85. III: the pottery*, Yorkshire Archaeol, **6**, Wakefield
- Rushworth, A (ed), 2009 *Housesteads Roman fort, the grandest station: excavation and survey 1954-95*, 2 vols, Engl Heritage Archaeol Rep, Swindon
- Ryan, NS, 1988 *Fourth century coin-finds from Roman Britain*, BAR Brit Ser, **183**, Oxford
- Salvagno, L, 2015 *The neglected goat: a methodological approach to the understanding of the role of this species in English medieval husbandry*, unpubl PhD thesis, Univ Sheffield
- Samuel, A E, 1972 *Greek and Roman chronology: calendars and years in classical antiquity*, Munich
- Sauer, N J, 1998 The timing of injuries and manner of death: distinguishing among antemortem, perimortem and postmortem trauma, in K J Reichs (ed), *Forensic osteology: advances in the identification of human remains*, 2nd edn, Springfield IL, 321-32
- Scheuer, J L, Musgrave, J H, and Evans, S P, 1980 The estimation of the late foetal and perinatal age from limb bone length by linear and logarithmic regression, *Ann Human Biol*, **7.3**, 257-65
- Schlüter, M, Platz-Horster, G, and Zazoff, P, 1975 *Antike Gemmen in deutschen Sammlungen IV, Kestner-Museum, Hannover Museum fur Kunst und Gewerbe, Hamburg, Wiesbaden*
- Schwartz, J H, 1995 *Skeleton keys: an introduction to human skeletal morphology, development and analysis*, Oxford
- Schweingruber, F H, 1990 *Anatomy of European woods: an atlas for the identification of European trees, shrubs and dwarf shrubs*, Bern

- Scott, E M, Cook, G T, and Naysmith, P, 2010a A report on phase 2 of the fifth international radiocarbon intercomparison (VIRI), *Radiocarbon*, **52**, 846–58
- Scott, E M, Cook, G T, and Naysmith, P, 2010b The fifth international radiocarbon intercomparison (VIRI): an assessment of laboratory performance in stage 3, *Radiocarbon*, **52**, 859–65
- Scott-Parker, M (ed), 2006 *Memories of the Lanes*, Carlisle
- Sear, F, 1982 *Roman architecture*, London
- Sena Chiesa, G, 1966 *Gemme del Museo Nazionale di Aquileia*, Aquileia
- Serjeantson, D, and Morris, J, 2011 Ravens and crows in Iron Age and Roman Britain, *Oxford J Archaeol*, **30(1)**, 85-107
- Shaffrey, R, 2009 The other worked stone, in Howard-Davis 2009a, 873-86
- Shipman, P, 1981 Applications of scanning electron microscopy to taphonomic problems, in A E Cantwell, J B Griffin, and N A Rothschild (eds), *The research potential of anthropological museum collections*, Ann New York Acad Sci, New York, 357-85
- Shipman, P, and Rose, J, 1983 Early hominid hunting, butchering and carcass-processing behaviours: approaches to the fossil record, *J Anthropol Archaeol*, **2**, 57–98
- Shotter, D C A, 1978 Unpublished Roman hoards in the Wisbech and Fenland Museum, *Coin Hoards*, **4**, 47-50
- Shotter, D C A, 1990 *Roman coins from North-west England*, Lancaster
- Shotter, D C A, 1991 The Roman coins, in Padley 1991a, 100-2
- Shotter, D C A, 2000a The Roman conquest of the North-west, *Trans Cumberland Westmorland Antiq Archaeol Soc*, n ser, **100**, 33–53
- Shotter, D C A, 2000b Petillius Cerialis in Northern Britain, *Northern Hist*, **36**, 189–98
- Shotter, D C A, 2000c The Roman coins, in McCarthy 2000, 94-5
- Shotter, D C A, 2002 Roman Britain and 'The Year of the Four Emperors', *Trans Cumberland Westmorland Antiq Archaeol Soc*, 3 ser, **2**, 79–86
- Shotter, D C A, 2004 *Romans and Britons in North-west England*, 3rd edn, Lancaster
- Shotter, D C A, 2009 The Roman coins, in Howard-Davis 2009a, 679-86
- Shotter, D C A, 2010 The Roman coins, in Padley 2010, 189-92
- Shotter, D C A, 2011 Roman Carlisle: its people and their lives, in M Brennand and K J Stringer (eds), *The making of Carlisle: from Romans to railways*, Cumberland Westmorland Antiq Archaeol Soc, Extra Ser, **35**, Kendal, 53-68
- Shotter, D C A, 2014 The late Roman coins, in M McCarthy, A post-Roman sequence at Carlisle Cathedral, *Archaeol J*, **171**, 202-4
- Sillar, F C, and Meyler, R M, 1961 *The symbolic pig: an anthology of pigs in literature and art*, Edinburgh and London
- Simmonds, A, Marquez-Grant, N, and Loe, L, 2008 *Life and death in a Roman city: excavation of a Roman cemetery with a mass grave at 120-122 London Road, Gloucester*, Oxford Archaeol Monog, **6**, Oxford
- Simoons, F J, 1994 *Eat not this flesh: food avoidances from prehistory to the present*, Madison
- Slota Jr, P J, Jull, A J T, Linick, T W, and Toolin, L J, 1987 Preparation of small samples for ¹⁴C accelerator targets by catalytic reduction of CO, *Radiocarbon*, **29**, 303-6
- Smith, A J E, 1978 *The moss flora of Britain and Ireland*, Cambridge
- Smith, D, and Tetlow, E, 2009 Insect remains, in Howard-Davis 2009a, 921-6
- Smith, G H, 1978 Excavations near Hadrian's Wall at Tarraby Lane 1976, *Britannia*, **9**, 19-56
- Smith, M J, Brickley, M B, and Leach, S L, 2007 Experimental evidence for lithic projectile injuries: improving identification of an under-recognised phenomenon, *J Archaeol Sci*, **34**, 540-53
- Smith, O C, Berryman, H E, and Lahren, C H, 1987 Cranial fracture patterns and estimate of direction from low velocity gunshot wounds, *J Forensic Sci*, **32**, 1416-21
- Snape, M E, 1993 *Roman brooches from North Britain: a classification and catalogue of brooches from sites on the Stanegate*, BAR Brit Ser, **235**, Oxford

- Snape, M E, Bidwell, P T, and Croom, A, 2002 Aldborough Roman town: excavations by Miss D Charlesworth, 1961–73, and by RCHME, 1959–60, *Yorkshire Archaeol J*, **74**, 29–111
- Sommer, C S, 1984 *The military vici of Roman Britain*, BAR Brit Ser, **129**, Oxford
- Sommer, C S, 2006 Military *vici* in Roman Britain revisited, in R J A Wilson (ed), *Romanitas: essays on Roman archaeology in honour of Sheppard Frere on the occasion of his ninetieth birthday*, Oxford, 95–145
- Soren, D, and Soren, N (eds), 1999 *A Roman villa and a late Roman infant cemetery: excavations at Poggio Gramingnano Lugnano in Teverna*, Rome
- Stace, C, 2010 *New flora of the British Isles*, 3rd edn, Cambridge
- Stallibrass, S, 1982 *The animal bones from Castleford site 1: excavations 1977–78*, unpubl rep
- Stallibrass, S, 1991 *Animal bones from excavations at Annetwell Street, Carlisle, 1982–4, Period 3: the earlier timber fort*, Ancient Monuments Lab Rep, **132/91**, unpubl rep
- Stallibrass, S, 1993 *Animal bones from excavations in the southern area of The Lanes, Carlisle, Cumbria, 1981–1982*, Ancient Monuments Lab Rep, **96/93**, unpubl rep
- Stallibrass, S, 1996 *The Lanes, Carlisle, Cumbria, northern Lanes: an assessment of the Romano-British animal bones recovered from the excavations in the northern part of the Lanes, 1978–1982*, Durham Environ Archaeol Rep, **7/96**, unpubl rep
- Stallibrass, S, 1997 *Catterick, North Yorkshire: a synthesis of the animal bones from excavations of Roman deposits, 1950–1993*, Durham Environ Archaeol Rep, **36/97**, unpubl rep
- Stallibrass, S, 2010 The animal bones, in McCarthy 2010, 143–60
- Stallibrass, S, and Nicholson, R, 2000 Animal and fish bone, in Buxton and Howard-Davis 2000, 375–86
- Stanfield, J A, and Simpson, G, 1958 *Central Gaulish potters*, London
- Stead, I M, 1969 Verulamium 1966–8, *Antiquity*, **43**, 45–52
- Stead, I M, 1976 *Excavations at Winterton Roman villa and other Roman sites in north Lincolnshire*, DoE Archaeol Rep, **9**, London
- Stead, I M, 1979 *The Arras Culture*, York
- Stenhouse, M J, and Baxter, M S, 1983 ¹⁴C dating reproducibility: evidence from routine dating of archaeological samples, *PACT*, **8**, 147–61
- Stone, A C, Milner, G R, Paabo, S, and Stoneking, M, 1996 Sex determination of ancient human skeletons using DNA, *American J Physical Anthropol*, **99**, 231–8
- Strong, D, 1966 *Catalogue of the carved amber in the Department of Greek and Roman Antiquities*, London
- Stuart-Macadam, P, 1992 Anemia in past human populations, in P Stuart-Macadam and S K Kent (eds), *Diet, demography and disease: changing perspectives on anemia*, New York, 151–70
- Stuiver, M, and Kra, R S, 1986 Editorial comment, *Radiocarbon*, **28**, ii
- Stuiver, M, and Polach, H A, 1977 Reporting of ¹⁴C data, *Radiocarbon*, **19**, 355–63
- Stuiver, M, and Reimer, P J, 1986 A computer program for radiocarbon age calculation, *Radiocarbon*, **28**, 1022–30
- Stuiver, M, and Reimer, P J, 1993 Extended ¹⁴C database and revised CALIB 3.0 ¹⁴C age calibration program, *Radiocarbon*, **35**, 215–30
- Sturt, G, 1943 *The wheelwright's shop*, Cambridge
- Summerson, H R T, 1993 *Medieval Carlisle: the city and the Borders from the late eleventh to the mid-sixteenth century*, Cumberland Westmorland Antiq Archaeol Soc, Extra Ser, **25**, Kendal
- Summerson, H R T, 2011 The defences of medieval Carlisle, in M Brennand and K J Stringer (eds), *The making of Carlisle: from Romans to railways*, Cumberland Westmorland Antiq Archaeol Soc, Extra Ser, **35**, Kendal, 85–102
- Swan, V, 1992 *Legio VI and its men: African legionaries in Britain*, *J Roman Pottery Stud*, **5**, 1–33
- Swan, V G, 2008 Builders, suppliers and supplies in the Tyne-Solway region and beyond, in P Bidwell (ed), *Understanding Hadrian's Wall*, South Shields, 49–82
- Swan, V G, McBride, R M, and Hartley, K F, 2009 The coarse pottery, in Howard-Davis 2009a, 566–660
- Swann, J M, 1973 Shoe fashions to 1600, *Trans Mus Assistants Grp*, **12**, 14–24

- Swift, E, 2000 *Regionality in dress accessories in the late Roman west*, Monographies Instrumentum, **11**, Montagnac
- Swift, E, 2011 Personal ornament, in L Allason-Jones (ed), *Artefacts in Roman Britain: their purpose and use*, Cambridge, 194-218
- Symonds, R P, 1992 *Rhenish wares: a fine dark coloured pottery from Gaul and Germany*, OUCAMonog, **23**, Oxford
- Tansley, A G, 1965 *The British Isles and their vegetation*, **2**, Cambridge
- Taylor, G, 1982 *A brief history of Stanwix and the parish church of St Michael the Archangel with St Mark's, Belah, Carlisle*
- Taylor, J, 1990 The pottery, in McCarthy 1990, 197-311
- Taylor, J, 1991 *The Roman pottery from Castle Street, Carlisle: excavations 1981-2*, Cumberland Westmorland Antiq Archaeol Soc Res Ser, **5**, fasc **4**, Kendal
- Thornton, J H, 1973 A glossary of shoe terms, *Trans Mus Assistants Grp*, **12**, 44-8
- Todd, M, 1970 The small towns of Roman Britain, *Britannia*, **1**, 114-30
- Tomber, R, and Dore, J, 1998 *The national Roman fabric reference collection: a handbook*, Mus London Archaeol Ser Monog, **2**, London
- Tomlin, R S O, 2010 The writing tablets, in Padley 2010, 272-3
- Tomlin, R S O, Wright, R P, and Hassall, M W C, 2009 *Roman inscriptions of Britain, III: inscriptions on stone (1955-2006)*, Oxford
- Toynbee, J M C, 1964 *Art in Britain under the Romans*, London
- Trotter, M, 1970 Estimation of stature from intact long limb bones, in T D Stewart (ed), *Personal identification in mass disasters*, Washington DC, 71-83
- Turner, R C, 1979 The identification of the game, in T W Potter, *Romans in North-west England: excavations at the Roman forts of Ravenglass, Watercrook and Bowness on Solway*, Cumberland Westmorland Antiq Archaeol Soc, Res Ser, **1**, Kendal, 76-9
- Tutin, T G, 1993 *Flora Europaea*, 2nd edn, Cambridge
- Tyers, I, 1992 *Dendrochronology extended spot date report on timbers from Cheapside, City of London*, MoLAS rep, **SPT06/92**, unpubl rep
- Tyers, I, 1994 *Dendrochronology spot dates and sample lists, Guildhall Yard excavations (GAG87/GYE92), City of London*, MoLAS rep, **DEN07/94**, unpubl rep
- Tyers, I, 2013 *The northern Lanes, Cumbria: interior summary of recent dendrochronological analysis*, unpubl rep
- Tyers, P, 1996 *Roman pottery in Britain*, London
- Ubelaker, D, 1989 *Human skeletal remains: excavation, analysis and interpretation*, Washington
- Ulrich, R B, 2007 *Roman woodworking*, New Haven
- Vandeputte, K, Moens, L, and Dams, R, 1996 Improved sealed-tube combustion of organic samples to CO₂ for stable isotope analysis, radiocarbon dating and percent carbon determinations, *Anal Lett*, **29**(15), 2761-73
- van Driel-Murray, C, 1989 Roman footwear from wells at Waiblingen and Walheim, *Fundberichte aus Baden-Württemberg*, **14**, 339-49
- van Driel-Murray, C, 1990 New light on old tents, *J Roman Military Equip Stud*, **1**, 109-38
- van Driel-Murray, C, 1993 The leatherwork, in C van Driel Murray, P Wild, M Seaward, and J Hillam, *Vindolanda Volume III: the early wooden forts, preliminary reports on the leather, textiles, environmental evidence, and dendrochronology*, Vindolanda Res Rep, n ser, **3**, Bardon Mill, 1-73
- van Driel-Murray, C, 1995 Gender in question, in P Rush (ed), *Theoretical Roman archaeology: second conference proceedings*, Aldershot, 3-21
- van Driel-Murray, C, 2011 Footwear in the northern provinces of the Roman Empire, in O Goubitz, *Stepping through time: archaeological footwear from prehistoric times until 1800*, Zwolle, 337-78
- van Driel-Murray, C, 2017 Warm and dry: a complete Roman tent from Vindolanda, in Q Mould (ed), *Leather in warfare: attack, defence and the unexpected*, Leeds, 1-16
- van Mensch, P J A, 1974 A Roman soup-kitchen at Zwammerdam? *Berichten van de Rijksdienst voor het Oudheidkundig Bodemonderzoek*, **24**, 159-65
- Villa, P, and Mahieu, E, 1991 Breakage patterns of human long bones, *J Human Evolution*, **21**, 27-48
- Vince, A, 1990 Dealing with 'dark earth': practical proposals, *Lincoln Archaeol 1989-1990*, **2**, Lincoln, 24-9
- von den Dreisch, A, 1976 *A guide to the measurement of bones from archaeological sites*. Peabody Mus Bull, **1**, Cambridge MA

- Wacher, J S, 1974 *Villae in urbibus?*, *Britannia*, **5**, 282-4
- Wacher, J S, 1995 *The towns of Roman Britain*, 2nd edn, London
- Wallace, C, and Webster, P V, 1989 Jugs and lids in Black Burnished ware, *J Roman Pottery Stud*, **2**, 88-91
- Walthew, C V, 1975 The town house and the villa house in Roman Britain, *Britannia*, **6**, 189-205
- Walthew, C V, 2005 Modular planning in first century AD Romano-British auxiliary forts, *Britannia*, **36**, 271-310
- Walton Rogers, P, 1997 *Textile production at 16-22 Coppergate, York*, *Archaeol York*, **17.11**, York
- Ward, G K, and Wilson, S R, 1978 Procedures for comparing and combining radiocarbon age determinations: a critique, *Archaeometry*, **20(1)**, 19-31
- Ward, M, 2009 The samian, in Howard-Davis 2009a, 539-66
- Ward, M, in prep The samian from 39 Church Street, in Howard-Davis *et al* in prep
- Wardle, A, 1990 The artefacts other than coins, pottery, and glass vessels, in D S Neal, A Wardle, and J Hunn, *Excavation of the Iron Age, Roman and medieval settlement at Gorhambury, St Albans*, Engl Heritage Archaeol Rep, **4**, London, 113-67
- Watson, B, 1998 'Dark earth' and urban decline in Roman London, in B Watson (ed), *Roman London, recent archaeological work*, *J Roman Archaeol suppl ser*, **24**, London, 100-6
- Webster, G, 1970 The military situations in Britain between AD 43 and 71, *Britannia*, **1**, 179-97
- Webster, G, 1982 Gazetteer of military objects from Cirencester, in J Wacher and A McWhirr, *Early Roman occupation at Cirencester*, *Cirencester Excavations*, **1**, Cirencester, 109-17
- Webster, G, 1985 *The Roman Imperial army*, 3rd edn, London
- Webster, P V, 1976 Severn Valley ware: a preliminary study, *Trans Bristol Gloucestershire Archaeol Soc*, **94**, 18-46
- Webster, P V, 1996 *Roman samian pottery in Britain*, CBA Practical Handbooks Archaeol, **13**, York
- Weeks, J, and Rhodes, M, 1986 Wooden objects, in Miller *et al* 1986, 230-1
- Welfare, A T, 1984 Milling stones, in Allason-Jones and Miket 1984, 353-61
- Welfare, A T, 1985 The milling stones, in Bidwell 1985, 154-71
- Welfare, H, and Swan, V G, 1995 *Roman camps in England: the field archaeology*, London
- Wenham, L P, 1965 Blossom Street excavations, York, 1953-55, *Yorkshire Archaeol J*, **51**, 524-53
- Westley, B, 1987 Animal bones, in D C Mynard (ed), *Roman Milton Keynes: excavations and fieldwork 1971-82*, Buckinghamshire Archaeol Soc Monog, **1**, Aylesbury, 180-91
- Wheeler, E A, Pearson, R G, La Pasha, C A, Zack, T, and Hatley, W, 1986 Computer-aided wood identification, *North Carolina Agricult Serv Bull*, **474**, 160
- Wheeler, R E M, 1930 *London in Roman times*, London Mus Catal, **3**, London
- Wheeler, R E M, 1943 *Maiden Castle, Dorset*, Rep Res Comm Soc Antiq London, **12**, Oxford
- Wheeler, R E M, and Wheeler, T V, 1932 *Report on the excavation of the prehistoric, Roman and post-Roman site in Lydney Park, Gloucestershire*, Rep Res Comm Soc Antiq London, **9**, Oxford
- White, K D, 1970 *Roman farming*, London
- White, W, 1988 *Skeletal remains of the cemetery of St Nicholas Shambles, City of London*, London Middlesex Archaeol Soc, Spec Pap, **9**, London
- Wightman, E M, 1985 *Gallia Belgica*, Berkeley
- Wild, F C, 1979 Samian ware, in T W Potter, *Romans in North-west England: excavations at the Roman forts of Ravenglass, Watercrock and Bowness on Solway*, Cumberland Westmorland Antiq Archaeol Soc, Res Ser, **1**, Kendal, 269-91
- Wild, F C, 2015 Late Montans decorate samian ware from Scotland and north-west England, *J Roman Pottery Stud*, **16**, 156-79
- Wilkes, J J, 1974 The Antonine Wall fortlet at Wilderness Plantation, Lanarkshire, *Glasgow Archaeol J*, **3**, 51-65
- Williams, D F, 1977 The Romano-British Black-Burnished ware industry, in D P Peacock (ed), *Pottery and early commerce: characterisation and trade in Roman and later ceramics*, London, 163-220

- Williams, D F, 2004 The eruption of Vesuvius and its implications for the early Roman amphorae trade with India, in J Eiring and J Lund (eds), *Transport amphorae and trade in the eastern Mediterranean: acts of the international colloquium at the Danish Institute at Athens, Sept 26-29, 2002*, Monog Danish Inst Athens, **5.5**, Aarhus, 441-50
- Willis, S, 1998 Samian pottery in Britain: exploring its distribution and archaeological potential, *Archaeol J*, **155**, 82-133
- Willis, S, 2004 Samian pottery, a resource for the study of Roman Britain and beyond: the results of the English Heritage-funded samian project, *Internet Archaeol*, **17** [Online] Available at: http://intarch.ac.uk/journal/issue17/willis_index.html (accessed 1 February 2017)
- Willis, S, 2011 Samian ware and society in Roman Britain and beyond, *Britannia*, **42**, 167-242
- Wilmott, T, 1997 *Birdoswald: excavations of a Roman fort on Hadrian's Wall and its successor settlements, 1987-92*, Engl Heritage Archaeol Rep, **14**, London
- Wilson, P R (ed), 2002 *Cataractonium: Roman Catterick and its hinterland. Excavations and research, 1958-1997, part I*, CBA Res Rep, **128**, York
- Winterbottom, S, 1991 The sheet leather objects, in Padley and Winterbottom 1991, 244-327
- Winterbottom, S, 1992 Leather, in Caruana 1992, 79-98
- Winterbottom, S, 2009 The Roman stitched sheet leather, in Howard-Davis 2009a, 817-30
- Winterbottom, S, 2010 The sheet leather objects, in Padley 2010, 301-14
- Winterbottom, S, in prep a Leather, in Caruana in prep a
- Winterbottom, S, in prep b The sheet leather, in Caruana in prep b
- Wood, J R, 1891 The parish of Stanwix, *Trans Cumberland Westmorland Antiq Archaeol Soc*, 1 ser, **11**, 286-9
- Workshop for European Anthropologists, 1980 Recommendations for age and sex diagnosis of skeletons, *J Human Evolution*, **9.5**, 17-49
- Wright, D, 1983 *The complete book of baskets and basketry*, Newton Abbot
- Wright, R P, 1976 Tile stamps of the Sixth Legion found in Britain, *Britannia*, **7**, 224-35
- Xu, S, Anderson, R, Bryant, C, Cook, G T, Dougans, A, Freeman, S, Naysmith, P, Schnabel, C, and Scott, E M, 2004 Capabilities of the new SUERC 5MV AMS facility for ¹⁴C dating, *Radiocarbon*, **46**, 59-64
- Young, C J, 1977 *Oxfordshire Roman pottery*, BAR Brit Ser, **43**, Oxford
- Young, C J, 1980 *Guidelines for the processing and publication of Roman pottery from excavations*, DOE Occ Pap, **4**, London
- Zant, J, 1993 *The Brooks, Winchester, 1987-88: the Roman structural remains*, Winchester Mus Serv Archaeol Rep, **2**, Winchester
- Zant, J, 2000 *Report on an archaeological excavation at 40-78 Botchergate, Carlisle*, Carlisle Archaeol Ltd, unpubl rep
- Zant, J, 2009 *The Carlisle Millennium Project, excavations in Carlisle 1998-2001. Volume 1: stratigraphy*, Lancaster Imprints, **14**, Lancaster
- Zant, J, 2011 The Roman army in Carlisle, in M Brennand and K J Stringer (eds), *The making of Carlisle: from Romans to railways*, Cumberland Westmorland Antiq Archaeol Soc, Extra Ser, **35**, Kendal, 33-52
- Zant, J, in prep *The Roman extramural settlement at Brougham: the excavations of 2008*
- Zant, J, Clark, P, Howard-Davis, C, and McPhillips, S, 2016 Archaeological investigations at the Judges' Lodgings, Lancaster, 2002-9 and 2012, *Contrebis*, **34**, 43-59
- Zant, J, Drury, D, and Hughes, V, 2009 Excavations on Penny Street and King Street, Lancaster, 1995-2003, in P Iles and D C A Shotter (eds), *Lancaster's Roman cemeteries*, Lancaster, 21-48
- Zant, J, and Howard-Davis, C, 2013 *Scots Dyke to turnpike: the archaeology of the A66, Greta Bridge to Scotch Corner*, Lancaster Imprints, **18**, Lancaster
- Zant, J, and Howard-Davis, C, in prep *Roman and medieval Carlisle: the northern Lanes, excavations 1978-82. Volume 2: the post-Roman period*
- Zant, J, Miller, I, Howard-Davis, C, and Mould, Q, 2011a The defences of medieval Carlisle: excavations at Rickergate, 1998-9, in Newman 2011a, 5-69

Zant, J, Miller, I, Murphy, S, and Hughes, V, 2011b
Archaeological excavations on a Roman cemetery,
industrial site, and medieval suburb at 53-55
Botchergate, Carlisle, 2001, in Newman 2011a, 70-116

Zant, J, and Town, M, 2013 Archaeological
investigations on the Cumbria Institute of the

Arts campus, Stanwix, Carlisle, 2004, *Trans
Cumberland Westmorland Antiq Archaeol Soc*, 3 ser,
13, 57-66

Zátopková, L, and Hejna, P, 2011 Fatal suicidal
crossbow injury-the ability to act, *J Forensic Sci*,
56 (2), 537-40

