

Alan Boyde

List of Publications by Year in descending order

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165
papers

7,514
citations

50276

46
h-index

64796

79
g-index

171
all docs

171
docs citations

171
times ranked

5658
citing authors

#	ARTICLE	IF	CITATIONS
1	Impaired osteoclastic bone resorption leads to osteopetrosis in cathepsin-K-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 13453-13458.	7.1	839
2	Resorption of dentine by isolated osteoclasts in vitro. British Dental Journal, 1984, 156, 216-220.	0.6	268
3	Nanomechanical properties and mineral concentration in articular calcified cartilage and subchondral bone. Journal of Anatomy, 2003, 203, 191-202.	1.5	217
4	Pathology of the distal condyles of the third metacarpal and third metatarsal bones of the horse. Equine Veterinary Journal, 1999, 31, 140-148.	1.7	172
5	The Mineralization Density of Iliac Crest Bone from Children with Osteogenesis Imperfecta. Calcified Tissue International, 1999, 64, 185-190.	3.1	171
6	Microscopic criteria for the determination of directionality of cutmarks on bone. American Journal of Physical Anthropology, 1984, 65, 359-366.	2.1	161
7	Osteoconduction in large macroporous hydroxyapatite ceramic implants: evidence for a complementary integration and disintegration mechanism. Bone, 1999, 24, 579-589.	2.9	155
8	Nanoindentation of bone: Comparison of specimens tested in liquid and embedded in polymethylmethacrylate. Journal of Materials Research, 2004, 19, 249-259.	2.6	145
9	The real response of bone to exercise. Journal of Anatomy, 2003, 203, 173-189.	1.5	131
10	Scanning Electron Microscope Studies of Bone. , 1972, , 259-310.		131
11	Quantitative photogrammetric analysis and qualitative stereoscopic analysis of SEM images. Journal of Microscopy, 1973, 98, 452-471.	1.8	123
12	Inhibition of bone resorption by selective inactivators of cysteine proteinases. Journal of Cellular Biochemistry, 1994, 56, 118-130.	2.6	118
13	The resorption of biological and non-biological substrates by cultured avian and mammalian osteoclasts. Anatomy and Embryology, 1984, 170, 247-256.	1.5	117
14	Viscoelastic properties of bone as a function of hydration state determined by nanoindentation. Philosophical Magazine, 2006, 86, 5691-5703.	1.6	117
15	<i>Post mortem</i> evaluation of palmar osteochondral disease (traumatic osteochondrosis) of the metacarpo/metatarsophalangeal joint in Thoroughbred racehorses. Equine Veterinary Journal, 2009, 41, 366-371.	1.7	107
16	The quantitative study of the orientation of collagen in compact bone slices. Bone, 1990, 11, 35-39.	2.9	105
17	The tandem scanning reflected light microscope. Scanning, 1985, 7, 97-108.	1.5	101
18	Scanning electron microscopy of bone: Instrument, specimen, and issues. Microscopy Research and Technique, 1996, 33, 92-120.	2.2	100

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19	Musculoskeletal responses of 2-year-old Thoroughbred horses to early training. 8. Quantitative back-scattered electron scanning electron microscopy and confocal fluorescence microscopy of the epiphysis of the third metacarpal bone. <i>New Zealand Veterinary Journal</i> , 2005, 53, 123-132.	0.9	100
20	Development, structure and function of rhinoceros enamel. <i>Zoological Journal of the Linnean Society</i> , 1986, 87, 181-214.	2.3	95
21	Functional associations between collagen fibre orientation and locomotor strain direction in cortical bone of the equine radius. <i>Anatomy and Embryology</i> , 1993, 187, 231-8.	1.5	95
22	Structural variation of the distal condyles of the third metacarpal and third metatarsal bones in the horse. <i>Equine Veterinary Journal</i> , 1999, 31, 130-139.	1.7	95
23	The role of calcified cartilage and subchondral bone in the initiation and progression of ochronotic arthropathy in alkaptonuria. <i>Arthritis and Rheumatism</i> , 2011, 63, 3887-3896.	6.7	95
24	Bi-allelic CSF1R Mutations Cause Skeletal Dysplasia of Dysosteosclerosis-Pyle Disease Spectrum and Degenerative Encephalopathy with Brain Malformation. <i>American Journal of Human Genetics</i> , 2019, 104, 925-935.	6.2	92
25	Hydration effects on the micro-mechanical properties of bone. <i>Journal of Materials Research</i> , 2006, 21, 1962-1968.	2.6	89
26	Back-scattered electron imaging of skeletal tissues. <i>Metabolic Bone Disease & Related Research</i> , 1983, 5, 145-150.	0.5	86
27	Volume changes during preparation of mouse embryonic tissue for scanning electron microscopy. <i>Scanning</i> , 1979, 2, 149-163.	1.5	80
28	Diagenetic alteration to teeth in situ illustrated by backscattered electron imaging. <i>Scanning</i> , 1991, 13, 173-183.	1.5	80
29	Mineralisation density of human mandibular bone: quantitative backscattered electron image analysis. <i>Journal of Anatomy</i> , 1998, 192, 245-256.	1.5	80
30	Rapid-Throughput Skeletal Phenotyping of 100 Knockout Mice Identifies 9 New Genes That Determine Bone Strength. <i>PLoS Genetics</i> , 2012, 8, e1002858.	3.5	73
31	A review of bone cell and substratum interactions: An illustration of the role of scanning electron microscopy. <i>Scanning</i> , 1985, 7, 5-24.	1.5	71
32	Composite bounds on the elastic modulus of bone. <i>Journal of Biomechanics</i> , 2008, 41, 2585-2588.	2.1	70
33	Constitutive Expression of Gs1±R201C in Mice Produces a Heritable, Direct Replica of Human Fibrous Dysplasia Bone Pathology and Demonstrates Its Natural History. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 2357-2368.	2.8	66
34	Coronal cementogenesis in the horse. <i>Archives of Oral Biology</i> , 1974, 19, 605-IN5.	1.8	65
35	Gnathodiaphyseal Dysplasia: A Syndrome of Fibro-Osseous Lesions of Jawbones, Bone Fragility, and Long Bone Bowing. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1710-1718.	2.8	61
36	Mean atomic number and backscattered electron coefficient calculations for some materials with low mean atomic number. <i>Scanning</i> , 1998, 20, 35-40.	1.5	60

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37	Energy dispersive X-ray elemental analysis of isolated epiphyseal growth plate chondrocyte fragments. <i>Histochemistry</i> , 1980, 69, 85-94.	1.9	58
38	Significant deterioration in nanomechanical quality occurs through incomplete extrafibrillar mineralization in rachitic bone: Evidence from in-situ synchrotron X-ray scattering and backscattered electron imaging. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 876-890.	2.8	58
39	Three dimensional structure of the distal condyles of the third metacarpal bone of the horse. <i>Equine Veterinary Journal</i> , 1999, 31, 122-129.	1.7	57
40	Mineralisation of collagen rich soft tissues and osteocyte lacunae in Enpp1 mice. <i>Bone</i> , 2014, 69, 139-147.	2.9	57
41	Cartilage damage involving extrusion of mineralisable matrix from the articular calcified cartilage and subchondral bone. , 2011, 21, 470-478.		57
42	Stereology and histogram analysis of backscattered electron images: Age changes in bone. <i>Bone</i> , 1993, 14, 205-210.	2.9	56
43	Pitfalls in pit measurement. <i>Calcified Tissue International</i> , 1991, 49, 65-70.	3.1	52
44	Motility and resorption: Osteoclastic activity in vitro. <i>Anatomy and Embryology</i> , 1984, 170, 51-56.	1.5	51
45	Pattern of collagen fiber orientation in the ovine calcaneal shaft and its relation to locomotor-induced strain. <i>The Anatomical Record</i> , 1995, 242, 147-158.	1.8	51
46	Effect of estrogen suppression on the mineralization density of iliac crest biopsies in young women as assessed by backscattered electron imaging. <i>Bone</i> , 1998, 22, 241-250.	2.9	51
47	Freeze-drying shrinkage of glutaraldehyde fixed liver. <i>Journal of Microscopy</i> , 1981, 122, 75-86.	1.8	49
48	An Investigation of the Mineral in Ductile and Brittle Cortical Mouse Bone. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 786-795.	2.8	47
49	Pathological and clinical features associated with palmar/plantar osteochondral disease of the metacarpo/metatarsophalangeal joint in thoroughbred racehorses. <i>Equine Veterinary Journal</i> , 2013, 45, 587-592.	1.7	46
50	Dependence of rate of physical erosion on orientation and density in mineralised tissues. <i>Anatomy and Embryology</i> , 1984, 170, 57-62.	1.5	45
51	Iodine vapor staining for atomic number contrast in backscattered electron and X-ray imaging. <i>Microscopy Research and Technique</i> , 2014, 77, 1044-1051.	2.2	45
52	Transmission electron microscopy of ion beam thinned dentine. <i>Cell and Tissue Research</i> , 1974, 152, 543-50.	2.9	42
53	Glutamate Does Not Play a Major Role in Controlling Bone Growth. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 742-749.	2.8	42
54	The effect of fluoride on the patterns of adherence of osteoclasts cultured on and resorbing dentine: a 3-D assessment of vinculin-labelled cells using confocal optical microscopy. <i>Anatomy and Embryology</i> , 1989, 180, 427-435.	1.5	41

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55	Regional distribution of mineral and matrix in the femurs of rats flown on Cosmos 1887 biosatellite. <i>FASEB Journal</i> , 1990, 4, 34-40.	0.5	41
56	Confocal images of marrow stromal (Westen-Bainton) cells. <i>Histochemistry</i> , 1993, 100, 93-99.	1.9	40
57	Multiscale alterations in bone matrix quality increased fragility in steroid induced osteoporosis. <i>Bone</i> , 2016, 84, 15-24.	2.9	40
58	The relationship between the edge of the chick blastoderm and the vitelline membrane. <i>Development Genes and Evolution</i> , 1969, 163, 113-121.	0.9	39
59	Applications of Tandem Scanning Reflected Light Microscopy and Three-Dimensional Imaging. <i>Annals of the New York Academy of Sciences</i> , 1986, 483, 428-439.	3.8	39
60	Variations in articular calcified cartilage by site and exercise in the 18-month-old equine distal metacarpal condyle. <i>Osteoarthritis and Cartilage</i> , 2007, 15, 1283-1292.	1.3	39
61	RANKL Inhibition in Fibrous Dysplasia of Bone: A Preclinical Study in a Mouse Model of the Human Disease. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 2171-2182.	2.8	39
62	Human cranial bone structure and the healing of cranial bone grafts: a study using backscattered electron imaging and confocal microscopy. <i>Anatomy and Embryology</i> , 1990, 181, 235-51.	1.5	38
63	Effects of medium acidification by alteration of carbon dioxide or bicarbonate concentrations on the resorptive activity of rat osteoclasts. <i>Journal of Bone and Mineral Research</i> , 1994, 9, 375-379.	2.8	38
64	Scanning electron microscopy in bone pathology: review of methods, potential and applications. <i>Scanning Electron Microscopy</i> , 1986, , 1537-54.	0.0	38
65	Scanning electron microscopy of human lumbar vertebral trabecular bone surfaces. <i>Virchows Archiv A, Pathological Anatomy and Histopathology</i> , 1993, 422, 25-34.	1.4	37
66	Confocal scanning optical microscopy of a 3-million-year-old <i>Australopithecus afarensis</i> femur. <i>Scanning</i> , 2009, 31, 1-10.	1.5	36
67	Microstructure and mineral composition of dystrophic calcification associated with the idiopathic inflammatory myopathies. <i>Arthritis Research and Therapy</i> , 2009, 11, R159.	3.5	36
68	Fluorescence in the tandem scanning microscope. <i>Journal of Microscopy</i> , 1990, 157, 39-49.	1.8	35
69	Novel Mouse Model of Autosomal Semidominant Adult Hypophosphatasia Has a Splice Site Mutation in the Tissue Nonspecific Alkaline Phosphatase Gene <i>Akp2</i> . <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1397-1407.	2.8	34
70	Accelerating functional gene discovery in osteoarthritis. <i>Nature Communications</i> , 2021, 12, 467.	12.8	33
71	Measurement of osteoclastic resorption pits with a tandem scanning microscope. <i>Journal of Microscopy</i> , 1990, 158, 261-265.	1.8	32
72	Microstructure of Enamel. <i>Novartis Foundation Symposium</i> , 1997, 205, 18-31.	1.1	32

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73	Osteoblast-Specific Expression of the Fibrous Dysplasia (FD)â€œCausing Mutation <i>Gsl±R201C</i> Produces a High Bone Mass Phenotype but Does Not Reproduce FD in the Mouse. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1030-1043.	2.8	31
74	Novel Method for Stereo Imaging in Light Microscopy at High Magnifications. <i>NeuroImage</i> , 1993, 1, 121-128.	4.2	29
75	Scanning electron microscopic observations on bone from patients with hypophosphataemic (vitamin) Tj ETQq1 1 0.784314 ggBT /Ov	1.3	28
76	Activating the unfolded protein response in osteocytes causes hyperostosis consistent with craniodiaphyseal dysplasia. <i>Human Molecular Genetics</i> , 2017, 26, 4572-4587.	2.9	28
77	Articular calcified cartilage canals in the third metacarpal bone of 2-year-old thoroughbred racehorses. <i>Journal of Anatomy</i> , 2004, 205, 491-500.	1.5	27
78	Horseâ€™, trainingâ€™and raceâ€™level risk factors for palmar/plantar osteochondral disease in the racing <scp>T</scp>oroughbred. <i>Equine Veterinary Journal</i> , 2013, 45, 582-586.	1.7	27
79	On fragmenting, densely mineralised acellular protrusions into articular cartilage and their possible role in osteoarthritis. <i>Journal of Anatomy</i> , 2014, 225, 436-446.	1.5	27
80	A Review of Tooth Implantation Among Rhynchocephalians (Lepidosauria). <i>Journal of Herpetology</i> , 2017, 51, 300-306.	0.5	27
81	Effect of exercise on bone density in distal regions of the equine third metacarpal bone in 2â€™yearâ€™old Thoroughbreds. <i>Equine Veterinary Journal</i> , 1999, 31, 555-560.	1.7	26
82	Identification of trabecular excrescences, novel microanatomical structures, present in bone in osteoarthropathies. , 2012, 23, 300-309.		25
83	Structure and mineralisation density of antler and pedicle bone in red deer (<i>Cervus elaphus</i> L.) exposed to different levels of environmental fluoride: a quantitative backscattered electron imaging study. <i>Journal of Anatomy</i> , 2000, 196, 71-83.	1.5	24
84	Improved digital SEM of cancellous bone: scanning direction of detection, through focus for in-focus and sample orientation. <i>Journal of Anatomy</i> , 2003, 202, 183-194.	1.5	24
85	Vital confocal microscopy in bone. <i>Scanning</i> , 1995, 17, 72-85.	1.5	24
86	High resolution microscopic survey of third metacarpal articular calcified cartilage and subchondral bone in the juvenile horse: Possible implications in chondroâ€™osseous disease. <i>Microscopy Research and Technique</i> , 2008, 71, 477-488.	2.2	24
87	Scanning Electron Microscopy of Bone. <i>Methods in Molecular Biology</i> , 2012, 816, 365-400.	0.9	24
88	Correlated alkaline phosphatase histochemistry and quantitative backscattered electron imaging in the study of rat incisor ameloblasts and enamel mineralization. <i>Microscopy Research and Technique</i> , 1994, 29, 29-36.	2.2	23
89	Mapping and Measuring Surfaces Using Reflection Confocal Microscopy. , 1995, , 255-266.		23
90	Combining confocal and BSE SEM imaging for bone block surfaces. , 2005, 9, 33-38.		23

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91	Age changes in bone. <i>Gerodontology</i> , 1998, 15, 25-34.	2.0	22
92	Mice Lacking the Calcineurin Inhibitor Rcan2 Have an Isolated Defect of Osteoblast Function. <i>Endocrinology</i> , 2012, 153, 3537-3548.	2.8	22
93	New confocal LM method for studying local relative microrelief with special reference to wear studies. <i>Scanning</i> , 1991, 13, 429-430.	1.5	21
94	A distinctive patchy osteomalacia characterises <i>Phospho1</i> deficient mice. <i>Journal of Anatomy</i> , 2017, 231, 298-308.	1.5	21
95	Changes in mineralised tissue at the site of origin of condylar fracture are present before athletic training in Thoroughbred horses. <i>New Zealand Veterinary Journal</i> , 2009, 57, 278-283.	0.9	20
96	Symmetrically reduced stiffness and increased extensibility in compression and tension at the mineralized fibrillar level in rachitic bone. <i>Bone</i> , 2013, 52, 689-698.	2.9	20
97	Lessons from rare diseases of cartilage and bone. <i>Current Opinion in Pharmacology</i> , 2015, 22, 107-114.	3.5	20
98	Combined nanoindentation testing and scanning electron microscopy of bone and articular calcified cartilage in an equine fracture predilection site. , 2010, 19, 242-251.		20
99	Basis of the structure and development of mammalian enamel as seen by scanning electron microscopy. <i>Scanning Microscopy</i> , 1988, 2, 1479-90.	0.3	20
100	Measurements of critical point shrinkage of glutaraldehyde fixed mouse liver. <i>Scanning</i> , 1981, 4, 69-82.	1.5	19
101	Regulation of the Bone Vascular Network is Sexually Dimorphic. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 2117-2132.	2.8	19
102	The Bone Cartilage Interface and Osteoarthritis. <i>Calcified Tissue International</i> , 2021, 109, 303-328.	3.1	19
103	Autologous bone marrow stromal cells loaded onto porous hydroxyapatite ceramic accelerate bone repair in critical-size defects of sheep long bones. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 49, 328.	3.1	19
104	High Density Infill in Cracks and Protrusions from the Articular Calcified Cartilage in Osteoarthritis in Standardbred Horse Carpal Bones. <i>International Journal of Molecular Sciences</i> , 2015, 16, 9600-9611.	4.1	18
105	A comparative histological study of the osteoderms in the lizards <i>Heloderma suspectum</i> (Squamata: Helodermatidae) and <i>Varanus komodoensis</i> (Squamata: Varanidae). <i>Journal of Anatomy</i> , 2020, 236, 1035-1043.	1.5	18
106	Staining plastic blocks with triiodide to image cells and soft tissues in backscattered electron SEM of skeletal and dental tissues. , 2012, 24, 154-161.		18
107	Volumes From Which Calcium and Phosphorus X-Rays Arise in Electron Probe Emission Microanalysis of Bone: Monte Carlo Simulation. <i>Calcified Tissue International</i> , 2003, 72, 745-749.	3.1	17
108	Detection of early osteoarthritis in the centrodistal joints of Icelandic horses: Evaluation of radiography and low-field magnetic resonance imaging. <i>Equine Veterinary Journal</i> , 2016, 48, 57-64.	1.7	17

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109	Exercise does not affect stiffness and mineralisation of third metacarpal condylar subarticular calcified tissues in 2 year old thoroughbred racehorses. , 2008, 16, 40-46.		17
110	Monocyte-enriched cells on calcified tissues. <i>Anatomy and Embryology</i> , 1984, 170, 169-175.	1.5	16
111	An Essential Physiological Role for MCT8 in Bone in Male Mice. <i>Endocrinology</i> , 2017, 158, 3055-3066.	2.8	15
112	Bisphosphonate-induced zebra lines in fibrous dysplasia of bone: histo-radiographic correlation in a case of McCune-Albright syndrome. <i>Skeletal Radiology</i> , 2017, 46, 1435-1439.	2.0	15
113	Improvement to critical point drying technique for SEM. <i>Scanning</i> , 1984, 6, 30-35.	1.5	14
114	Aspects of Anatomy and Development of Bone: the nm, μ m and mm Hierarchy. <i>Advances in Organ Biology</i> , 1998, , 3-44.	0.1	14
115	Tandem scanning reflected light microscopy of primate enamel. <i>Scanning Microscopy</i> , 1987, 1, 1935-48.	0.3	14
116	Tetracycline cathodoluminescence in bone, dentine and enamel. <i>Histochemistry</i> , 1983, 77, 525-533.	1.9	13
117	Scanning Electron Microscopy of Cartilage. , 1983, , 105-148.		13
118	Bone modelling in the implantation bed. <i>Journal of Biomedical Materials Research Part B</i> , 1985, 19, 199-224.	3.1	13
119	The application of confocal microscopy to the study of stone weathering. <i>Earth Surface Processes and Landforms</i> , 1993, 18, 769-775.	2.5	13
120	Scanning Electron Microscopy of Bone. <i>Methods in Molecular Biology</i> , 2019, 1914, 571-616.	0.9	13
121	Cutting teeth in the SEM. <i>Scanning</i> , 1978, 1, 157-165.	1.5	12
122	Freon 113 freeze-drying for scanning electron microscopy. <i>Scanning</i> , 1979, 2, 164-166.	1.5	12
123	Combining confocal and conventional modes in tandem scanning reflected light microscopy. <i>Scanning</i> , 1989, 11, 147-152.	1.5	12
124	An evaluation of unilateral TSM for biological applications. <i>Scanning</i> , 1990, 12, 273-279.	1.5	12
125	PYY is a negative regulator of bone mass and strength. <i>Bone</i> , 2019, 127, 427-435.	2.9	12
126	Osteochondral lesions in distal tarsal joints of Icelandic horses reveal strong associations between hyaline and calcified cartilage abnormalities. , 2014, 27, 213-236.		12

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127	SCANNING ELECTRON MICROSCOPY OF THE BASAL SURFACE OF THE SEPARATED SUCTION BLISTER TOP. British Journal of Dermatology, 1971, 84, 346-352.	1.5	9
128	Correlative light and backscattered electron microscopy of bone "Part II: Automated image analysis. Scanning, 2000, 22, 337-344.	1.5	9
129	Incident light microscopy of surfaces of plastic embedded hard tissues. Journal of Microscopy, 1984, 134, 49-53.	1.8	8
130	Improved depth of field in the scanning electron microscope derived from through-focus image stacks. Scanning, 2006, 26, 265-269.	1.5	8
131	Registration of confocal scanning laser microscopy and quantitative backscattered electron images for the temporospatial quantification of mineralization density in 18-month old thoroughbred racehorse articular calcified cartilage. Scanning, 2006, 27, 219-226.	1.5	8
132	Evaluation of laser ablation microtomy for correlative microscopy of hard tissues. Journal of Microscopy, 2018, 271, 17-30.	1.8	8
133	A three axis stereocomparator for scanning electron microscopic photogrammetry - RS3. Scanning, 1986, 8, 182-186.	1.5	7
134	SEM study of surface alterations of bioactive glasses and glass-ceramics in a bony implantation bed. Clinical Materials, 1990, 5, 73-88.	0.5	7
135	Light budgets, light and heavy losses: One- or two-sided tandem scanning (real-time, direct-view,) Tj ETQq1 1 0.784314 rgBT /Overloc	1.8	7
136	Fast intracellular motion in the living cell by video rate reflection confocal laser scanning microscopy. Journal of Anatomy, 2001, 198, 641-649.	1.5	7
137	Morphologic Detail of Aging Bone in Human Vertebrae. Endocrine, 2002, 17, 05-14.	2.2	7
138	Biocompatibility tests on a novel glass-ceramic system. Journal of Applied Biomaterials: an Official Journal of the Society for Biomaterials, 1992, 3, 217-224.	1.2	6
139	What does the arthropathy of alkaptonuria teach us about disease mechanisms in osteoarthritis and ageing of joints?. Rheumatology, 2016, 55, 1151-1152.	1.9	6
140	Dmp1 Promoter-Driven Diphtheria Toxin Receptor Transgene Expression Directs Unforeseen Effects in Multiple Tissues. International Journal of Molecular Sciences, 2017, 18, 29.	4.1	6
141	The use of an X-ray digitiser in SEM photogrammetry. Scanning, 1980, 3, 218-219.	1.5	5
142	Simple collectors for cathodoluminescence in the SEM made from aluminium foil. Journal of Microscopy, 1983, 132, 239-242.	1.8	5
143	High temporal and spatial resolution studies of bone cells using real-time confocal reflection microscopy. Scanning, 1994, 16, 285-294.	1.5	5
144	Multiscale molecular profiling of pathological bone resolves sexually dimorphic control of extracellular matrix composition. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	4

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145	Stereological stereometry: Simplified approaches to volumetry by SEM. Scanning, 1986, 8, 240-249.	1.5	3
146	Nanoindentation of bone: Comparison of specimens tested in liquid and embedded in polymethylmethacrylate. Journal of Materials Research, 2004, 19, 249-259.	2.6	3
147	Elastic modulus of dental enamel: effect of enamel prism orientation and mineral content. Materials Research Society Symposia Proceedings, 2004, 844, 1.	0.1	2
148	Contribution of Collagen, Mineral and Water Phases to the Nanomechanical Properties of Bone. Materials Research Society Symposia Proceedings, 2004, 844, 1.	0.1	2
149	14 Improved scanning electron microscopy of cancellous bone in lumbar vertebral bodies through colour coding direction of detection and using best component of through focus. Journal of Anatomy, 2002, 201, 420-1.	1.5	2
150	Transmission electron microscopy of ion erosion thinned hard tissues. Calcified Tissue Research, 1976, 21 Suppl, 117-23.	1.3	2
151	Periarticular calcifications containing giant pseudo-crystals of francolite in skeletal fluorosis from 1,1-difluoroethane. Bone, 2022, , 116421.	2.9	2
152	Osteoclastic resorption of equine cranial and postcranial bone in vitro. Journal of Bone and Mineral Metabolism, 2000, 18, 148-152.	2.7	1
153	Contribution of Collagen, Mineral and Water Phases to the Nanomechanical Properties of Bone. Materials Research Society Symposia Proceedings, 2004, 841, R2.8.1/Y2.8.1.	0.1	1
154	Elastic modulus of dental enamel: effect of enamel prism orientation and mineral content. Materials Research Society Symposia Proceedings, 2004, 841, R2.7.1/Y2.7.1.	0.1	1
155	Nanoindentation Measurements of Bone Viscoelasticity as a Function of Hydration State. Materials Research Society Symposia Proceedings, 2005, 898, 1.	0.1	1
156	Electroless plating-A new technique for the preparation of hard tissue specimens for scanning electron microscopy. Scanning, 2008, 16, 18-20.	1.5	1
157	High density mineralised protrusions from the tidemark into hyaline cartilage in human joints. Osteoarthritis and Cartilage, 2015, 23, A318-A319.	1.3	1
158	Transmission Electron Microscopy of Ion Erosion Thinned Hard Tissues. , 1976, , 117-123.		1
159	Quantitative backscattered electron imaging and analysis of urinary stones. Scanning, 1998, 20, 194.	1.5	1
160	A new technique for imaging hard tissue by photothermal radiometric microscopy. Scanning, 1989, 11, 135-138.	1.5	0
161	Multiple Oblique Illumination Method of High Definition Stereo Microscopy. , 1999, , 1-24.		0
162	Understanding the Structure of the Mammalian Mineralised Tissues Through Their Development. Materials Research Society Symposia Proceedings, 2005, 898, 1.	0.1	0

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163	Gene expression analysis of subchondral bone, cartilage, and synovium in naturally occurring equine palmar/plantar osteochondral disease. Journal of Orthopaedic Research, 2021, , .	2.3	0
164	Adipocytic Templating of Bone Matrix Deposition in Osteoarthropathies. FASEB Journal, 2015, 29, 702.2.	0.5	0
165	3-D microscopy to assess bone healing around dental implants. Scanning, 1998, 20, 150-1.	1.5	0