

# Richard A Ketcham

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

154  
papers

10,683  
citations

52  
h-index

101  
g-index

173  
ext. papers

12,026  
ext. citations

5.2  
avg, IF

6.77  
L-index

#	Paper	IF	Citations
154	Short communication: Modeling competing effects of cooling rate, grain size, and radiation damage in low-temperature thermochronometers. <i>Geochronology</i> , <b>2022</b> , 4, 143-152	3.8	1
153	From Left Slip to Transpression: Cenozoic Tectonic Evolution of the North Altyn Fault, NW Margin of the Tibetan Plateau. <i>Tectonics</i> , <b>2022</b> , 41,	4.3	2
152	Role of Defects and Radiation Damage on He Diffusion in Magnetite: Implication for (U-Th)/He Thermochronology. <i>Minerals (Basel, Switzerland)</i> , <b>2022</b> , 12, 590	2.4	0
151	3D porosity structure of the earliest solar system material.. <i>Scientific Reports</i> , <b>2022</b> , 12, 8369	4.9	0
150	Predictive digital rock physics without segmentation. <i>Computers and Geosciences</i> , <b>2021</b> , 159, 105008	4.5	
149	Orogenic gold ores in three-dimensions: A case study of distinct mineralization styles at the world-class Cuiabá deposit, Brazil, using high-resolution X-ray computed tomography on gold particles. <i>Ore Geology Reviews</i> , <b>2021</b> , 104584	3.2	1
148	Thermo-kinematic modeling of detachment-dominated extension, northeastern Death Valley area, USA: Implications for mid-crustal thermal-rheological evolution. <i>Tectonophysics</i> , <b>2021</b> , 808, 228755	3.1	3
147	Seamless low-temperature thermochronological modeling in Andino 3D, towards integrated structural and thermal simulations. <i>Journal of South American Earth Sciences</i> , <b>2021</b> , 105, 102851	2	2
146	Confined fission-track revelation in apatite: how it works and why it matters. <i>Geochronology</i> , <b>2021</b> , 3, 433-464	3.8	2
145	Unraveling the exhumation history of high-pressure ophiolites using magnetite (U-Th-Sm)/He thermochronometry. <i>Earth and Planetary Science Letters</i> , <b>2020</b> , 543, 116359	5.3	6
144	Simulating effects of heterogeneous <sup>4</sup> He concentration profiles and radiation damage annealing on whole-grain zircon diffusivity analyses. <i>Geochimica Et Cosmochimica Acta</i> , <b>2020</b> , 284, 239-253	5.5	1
143	Is Low-Temperature Fission-Track Annealing in Apatite a Thermally Controlled Process?. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2020</b> , 21, e2019GC008877	3.6	7
142	Andean Mountain Building and Foreland Basin Evolution During Thin- and Thick-Skinned Neogene Deformation (32B3°S). <i>Tectonics</i> , <b>2020</b> , 39, e2019TC005838	4.3	8
141	A multi-method, multi-scale theoretical study of He and Ne diffusion in zircon. <i>Geochimica Et Cosmochimica Acta</i> , <b>2020</b> , 268, 348-367	5.5	13
140	The along-track etching structure of fission tracks in apatite: Observations and implications. <i>Chemical Geology</i> , <b>2020</b> , 553, 119809	4.2	3
139	The Complexity of Nonlinear Flow and non-Fickian Transport in Fractures Driven by Three-Dimensional Recirculation Zones. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2020JB020028	3.6	9
138	Comment on the reply to the Comment on Thermal history modelling: HeFTy vs. QTQt by Vermeesch and Tian, Earth-Science Reviews (2014), 139, 279-290. <i>Earth-Science Reviews</i> , <b>2020</b> , 203, 102878	10.2	6

137	Reply to: Charlier et al. 2018. Mudslide and/or animal attack are more plausible causes and circumstances of death for AL 288 ('Lucy'): a forensic anthropology analysis. 86(3) 139-142, 2018. <i>Medico-Legal Journal</i> , <b>2019</b> , 87, 121-126	1.4	
136	Accurate Measurement of Small Features in X-Ray CT Data Volumes, Demonstrated Using Gold Grains. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2019</b> , 124, 3508-3529	3.6	6
135	Analyst and etching protocol effects on the reproducibility of apatite confined fission-track length measurement, and ambient-temperature annealing at decadal timescales. <i>American Mineralogist</i> , <b>2019</b> , 104, 1421-1435	2.9	6
134	Resolution-invariant measurements of small objects in polychromatic CT data <b>2019</b> ,		1
133	Numerically estimating rock frame properties of a mixed calcite and dolomite hand sample using computed tomography (CT) <b>2019</b> ,		1
132	Resolving the effects of 2-D versus 3-D grain measurements on apatite (U/Th) /He age data and reproducibility. <i>Geochronology</i> , <b>2019</b> , 1, 17-41	3.8	14
131	Fission-Track Annealing: From Geologic Observations to Thermal History Modeling. <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , <b>2019</b> , 49-75	0.5	29
130	Water flow, oil biodegradation, and hydrodynamic traps in the Llanos Basin, Colombia. <i>AAPG Bulletin</i> , <b>2019</b> , 103, 1225-1264	2.5	1
129	Mass-transfer based modeling to investigate iodine staining effects for enhanced contrast X-ray computed tomography. <i>Palaeoworld</i> , <b>2019</b> , 28, 562-571	1.8	1
128	Comment on Thermal history modelling: HeFTy vs. QTQt by Vermeesch and Tian, <i>Earth-Science Reviews</i> (2014), 139, 279-290. <i>Earth-Science Reviews</i> , <b>2018</b> , 176, 387-394	10.2	17
127	Deciphering exhumation and burial history with multi-sample down-well thermochronometric inverse modelling. <i>Basin Research</i> , <b>2018</b> , 30, 48-64	3.2	20
126	Reproducibility of Thermal History Reconstruction From Apatite Fission-Track and (U-Th)/He Data. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2018</b> , 19, 2411-2436	3.6	18
125	Latitudinal and Longitudinal Patterns of Exhumation in the Andes of North-Central Chile. <i>Tectonics</i> , <b>2018</b> , 37, 2863-2886	4.3	13
124	Evidence for accretion of fine-grained rims in a turbulent nebula for CM Murchison. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 481, 201-211	5.3	21
123	X-ray computed tomography of planetary materials: A primer and review of recent studies. <i>Chemie Der Erde</i> , <b>2017</b> , 77, 547-572	4.3	52
122	Does trabecular bone structure within the metacarpal heads of primates vary with hand posture?. <i>Comptes Rendus - Palevol</i> , <b>2017</b> , 16, 533-544	1.6	17
121	Intracontinental subduction beneath the Pamir Mountains: Constraints from thermokinematic modeling of shortening in the Tajik fold-and-thrust belt. <i>Bulletin of the Geological Society of America</i> , <b>2017</b> ,	3.9	5
120	Perimortem fractures in Lucy suggest mortality from fall out of tall tree. <i>Nature</i> , <b>2016</b> , 537, 503-507	50.4	45

119	Comparison and Evaluation of the Effectiveness of Two Approaches of Diffusible Iodine-Based Contrast-Enhanced Computed Tomography (diceCT) for Avian Cephalic Material. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2016</b> , 326, 352-362	1.8	17
118	Movement vectors and deformation mechanisms in kinematic restorations: A case study from the Colombian Eastern Cordillera. <i>Interpretation</i> , <b>2016</b> , 4, T31-T48	1.4	10
117	Limb Bone Structural Proportions and Locomotor Behavior in A.L. 288-1 ("Lucy"). <i>PLoS ONE</i> , <b>2016</b> , 11, e0166095	3.7	51
116	X-ray computed tomography datasets for forensic analysis of vertebrate fossils. <i>Scientific Data</i> , <b>2016</b> , 3, 160040	8.2	5
115	Response to comment on <a href="#">A</a> reporting protocol for thermochronologic modeling illustrated with data from the Grand Canyon. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 441, 213	5.3	6
114	Andean topographic growth and basement uplift in southern Colombia: Implications for the evolution of the Magdalena, Orinoco, and Amazon river systems <b>2016</b> , 12, 1235-1256		42
113	3-D X-ray tomography of diamondiferous mantle eclogite xenoliths, Siberia: A review. <i>Journal of Asian Earth Sciences</i> , <b>2015</b> , 101, 39-67	2.8	11
112	Technical Note: Calculation of stoichiometry from EMP data for apatite and other phases with mixing on monovalent anion sites. <i>American Mineralogist</i> , <b>2015</b> , 100, 1620-1623	2.9	50
111	Inter-laboratory comparison of fission track confined length and etch figure measurements in apatite. <i>American Mineralogist</i> , <b>2015</b> , 100, 1452-1468	2.9	31
110	Coupling sequential restoration of balanced cross sections and low-temperature thermochronometry: The case study of the Western Carpathians. <i>Lithosphere</i> , <b>2015</b> , 7, 367-378	2.7	19
109	Kinematic restoration of contractional basement structures using thermokinematic models: A key tool for petroleum system modeling. <i>AAPG Bulletin</i> , <b>2015</b> , 99, 1575-1598	2.5	22
108	FetKin: Coupling kinematic restorations and temperature to predict thrusting, exhumation histories, and thermochronometric ages. <i>AAPG Bulletin</i> , <b>2015</b> , 99, 1557-1573	2.5	14
107	A reporting protocol for thermochronologic modeling illustrated with data from the Grand Canyon. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 432, 425-435	5.3	68
106	Impact-induced brittle deformation, porosity loss, and aqueous alteration in the Murchison CM chondrite. <i>Geochimica Et Cosmochimica Acta</i> , <b>2015</b> , 171, 256-282	5.5	40
105	Application of high resolution X-ray computed tomography to mineral deposit origin, evaluation, and processing. <i>Ore Geology Reviews</i> , <b>2015</b> , 65, 821-839	3.2	72
104	Modification of the Local Cubic Law of fracture flow for weak inertia, tortuosity, and roughness. <i>Water Resources Research</i> , <b>2015</b> , 51, 2064-2080	5.4	96
103	An investigation of the efficacy and mechanism of contrast-enhanced X-ray computed tomography utilizing iodine for large specimens through experimental and simulation approaches. <i>BMC Physiology</i> , <b>2015</b> , 15, 5	0	24
102	Wettability measurement under high P-T conditions using X-ray imaging with application to the brine-supercritical CO <sub>2</sub> system. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2015</b> , 16, 2858-2864	3.6	20

101	High-resolution 3D analyses of the shape and internal constituents of small volcanic ash particles: The contribution of SEM micro-computed tomography (SEM micro-CT). <i>Journal of Volcanology and Geothermal Research</i> , <b>2015</b> , 293, 1-12	2.8	25
100	Characterizing, measuring, and utilizing the resolution of CT imagery for improved quantification of fine-scale features. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 324, 80-87	1.2	10
99	The secondary origin of diamonds: multi-modal radiation tomography of diamondiferous mantle eclogites. <i>International Geology Review</i> , <b>2014</b> , 56, 1172-1180	2.3	8
98	Beam hardening correction for X-ray computed tomography of heterogeneous natural materials. <i>Computers and Geosciences</i> , <b>2014</b> , 67, 49-61	4.5	48
97	Formation of passive-roof duplexes in the Colombian Subandes and Peruvian Lithosphere, <b>2014</b> , 6, 456-472	2.7	23
96	Mineralogy and petrography of C asteroid regolith: The Sutter's Mill CM meteorite. <i>Meteoritics and Planetary Science</i> , <b>2014</b> , 49, 1997-2016	2.8	43
95	Surface tension of hydrous silicate melts: Constraints on the impact of melt composition. <i>Journal of Volcanology and Geothermal Research</i> , <b>2013</b> , 267, 68-74	2.8	24
94	Crystallization kinetics during regional metamorphism of porphyroblastic rocks. <i>Journal of Metamorphic Geology</i> , <b>2013</b> , 31, 963-979	4.4	16
93	Chemical influence on recoil damage annealing in apatite: Implications for (U-Th)/He dating. <i>Chemical Geology</i> , <b>2013</b> , 351, 257-267	4.2	78
92	Magnitudes of departures from equilibrium during regional metamorphism of porphyroblastic rocks. <i>Journal of Metamorphic Geology</i> , <b>2013</b> , 31, 981-1002	4.4	18
91	Helium diffusion in natural zircon: Radiation damage, anisotropy, and the interpretation of zircon (U-Th)/He thermochronology. <i>Numerische Mathematik</i> , <b>2013</b> , 313, 145-198	5.3	373
90	Geometric analysis of radiation damage connectivity in zircon, and its implications for helium diffusion. <i>American Mineralogist</i> , <b>2013</b> , 98, 350-360	2.9	57
89	On the lag time between internal strain and basement involved thrust induced exhumation: The case of the Colombian Eastern Cordillera. <i>Journal of Structural Geology</i> , <b>2013</b> , 52, 96-118	3	16
88	Computational Fluid Dynamics Simulation of Structured Packing. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 2032-2045	3.9	38
87	New textural evidence on the origin of carbonado diamond: An example of 3-D petrography using X-ray computed tomography <b>2013</b> , 9, 1336-1347		11
86	Pore-scale trapping of supercritical CO <sub>2</sub> and the role of grain wettability and shape. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 3878-3882	4.9	105
85	Investigation of the swelling behavior of Dome Matrix drug delivery modules by high-resolution X-ray computed tomography. <i>Journal of Drug Delivery Science and Technology</i> , <b>2013</b> , 23, 165-170	4.5	8
84	Visualization of anomalous penetrant transport in glassy poly(methyl methacrylate) utilizing high-resolution X-ray computed tomography. <i>Polymer</i> , <b>2012</b> , 53, 776-781	3.9	4

83	Kinematic evolution of Andean fold-thrust structures along the boundary between the Eastern Cordillera and Middle Magdalena Valley basin, Colombia. <i>Tectonics</i> , <b>2012</b> , 31, n/a-n/a	4.3	23
82	Numerical simulation of diffusion-controlled nucleation and growth of porphyroblasts. <i>Journal of Metamorphic Geology</i> , <b>2012</b> , 30, 489-512	4.4	16
81	Accounting for long alpha-particle stopping distances in (U <sup>238</sup> ThSm)/He geochronology: 3D modeling of diffusion, zoning, implantation, and abrasion. <i>Geochimica Et Cosmochimica Acta</i> , <b>2012</b> , 96, 44-56	5.5	84
80	Analysis of Three-dimensional Geometrical Pore Parameters From Rock Weathering. <i>Soil Science</i> , <b>2012</b> , 177, 506-516	0.9	4
79	U and Th zonation in apatite observed by laser ablation ICPMS, and implications for the (U <sup>238</sup> Th)/He system. <i>Geochimica Et Cosmochimica Acta</i> , <b>2011</b> , 75, 4515-4530	5.5	96
78	Accounting for long alpha-particle stopping distances in (U <sup>238</sup> ThSm)/He geochronology: Refinement of the baseline case. <i>Geochimica Et Cosmochimica Acta</i> , <b>2011</b> , 75, 7779-7791	5.5	180
77	Solid modeling of fossil small mammal teeth. <i>Computers and Geosciences</i> , <b>2011</b> , 37, 1364-1371	4.5	8
76	Bubble nucleation in rhyolite and dacite melts: temperature dependence of surface tension. <i>Contributions To Mineralogy and Petrology</i> , <b>2011</b> , 162, 929-943	3.5	57
75	Three-dimensional measurement of fractures in heterogeneous materials using high-resolution X-ray computed tomography <b>2010</b> , 6, 499-514		86
74	Migration of Cenozoic deformation in the Eastern Cordillera of Colombia interpreted from fission track results and structural relationships: Implications for petroleum systems. <i>AAPG Bulletin</i> , <b>2010</b> , 94, 1543-1580	2.5	86
73	An X-ray computed tomography study of inclusion trail orientations in multiple porphyroblasts from a single sample. <i>Tectonophysics</i> , <b>2010</b> , 480, 305-320	3.1	16
72	Mineralogy and petrography of the Almahata Sitta ureilite. <i>Meteoritics and Planetary Science</i> , <b>2010</b> , 45, 1618-1637	2.8	60
71	Trabecular bone structure in the mandibular condyles of gouging and nongouging platyrrhine primates. <i>American Journal of Physical Anthropology</i> , <b>2010</b> , 141, 583-93	2.5	21
70	Comparative forefoot trabecular bone architecture in extant hominids. <i>Journal of Human Evolution</i> , <b>2010</b> , 59, 202-13	3.1	53
69	Metasomatic origin of diamonds in the world's largest diamondiferous eclogite. <i>Lithos</i> , <b>2009</b> , 112, 1014-1024	10.24	38
68	Patterns in ontogeny of human trabecular bone from SunWatch Village in the Prehistoric Ohio Valley: general features of microarchitectural change. <i>American Journal of Physical Anthropology</i> , <b>2009</b> , 138, 318-32	2.5	58
67	Flow Field Visualization in Structured Packing Using Real Time X-ray Radiography. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 3606-3618	3.9	6
66	Reproducibility of apatite fission-track length data and thermal history reconstruction. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 284, 504-515	5.3	107

65	Annealing behavior of alpha recoil tracks in phlogopite. <i>Chemical Geology</i> , <b>2009</b> , 266, 343-349	4.2	5
64	Apatite (U/Th)/He thermochronometry using a radiation damage accumulation and annealing model. <i>Geochimica Et Cosmochimica Acta</i> , <b>2009</b> , 73, 2347-2365	5.5	568
63	Effects of inertia and directionality on flow and transport in a rough asymmetric fracture. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		58
62	Formation of garnet polycrystals during metamorphic crystallization. <i>Journal of Metamorphic Geology</i> , <b>2008</b> , 26, 365-383	4.4	25
61	The formation and chronology of the PAT 91501 impact-melt L chondrite with vesicle-metal-sulfide assemblages. <i>Geochimica Et Cosmochimica Acta</i> , <b>2008</b> , 72, 2417-2428	5.5	35
60	The unroofing history of Naxos and Paros: Constraints and questions from thermochronology and thermal modeling. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2008</b> , 2, 012019	0.3	
59	Using High-Resolution Computed Tomography Analysis To Characterize Soil-Surface Seals. <i>Soil Science Society of America Journal</i> , <b>2008</b> , 72, 1478-1485	2.5	23
58	High resolution X-ray computed tomography studies of Grasberg porphyry Cu-Au ores, Papua, Indonesia. <i>Mineralium Deposita</i> , <b>2008</b> , 43, 519-532	4.8	23
57	Novel Application of X-ray Computed Tomography: Determination of Gas/Liquid Contact Area and Liquid Holdup in Structured Packing. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 5734-5739	3.9	40
56	Improved modeling of fission-track annealing in apatite. <i>American Mineralogist</i> , <b>2007</b> , 92, 799-810	2.9	554
55	Navier-Stokes flow and transport simulations using real fractures shows heavy tailing due to eddies. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	88
54	Nonhuman anthropoid primate femoral neck trabecular architecture and its relationship to locomotor mode. <i>Anatomical Record</i> , <b>2007</b> , 290, 422-36	2.1	74
53	Origin and mechanical significance of honeycomb garnet in high-pressure metasedimentary rocks from the Tauern Window, Eastern Alps. <i>Journal of Metamorphic Geology</i> , <b>2007</b> , 25, 565-583	4.4	22
52	Improved measurement of fission-track annealing in apatite using c-axis projection. <i>American Mineralogist</i> , <b>2007</b> , 92, 789-798	2.9	192
51	Methodology for Evaluating Candidate Geometric Reference Scaffolds. <i>Journal of Testing and Evaluation</i> , <b>2007</b> , 35, 100598	1	
50	Preliminary observations on the calcaneal trabecular microarchitecture of extant large-bodied hominoids. <i>American Journal of Physical Anthropology</i> , <b>2006</b> , 129, 410-7	2.5	68
49	New algorithms for ring artifact removal <b>2006</b> , 6318, 216		29
48	Utility of high resolution x-ray computed tomography (HRXCT) for paleobotanical studies: an example using London Clay fruits and seeds. <i>American Journal of Botany</i> , <b>2006</b> , 93, 1848-51	2.7	23

47	Late Mesozoic and Cenozoic thermotectonic evolution along a transect from the north China craton through the Qinling orogen into the Yangtze craton, central China. <i>Tectonics</i> , <b>2006</b> , 25, n/a-n/a	4.3	76
46	Constraining the long-term evolution of the slip rate for a major extensional fault system in the central Aegean, Greece, using thermochronology. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 241, 293-306	5.3	107
45	Formation of vesicles in asteroidal basaltic meteorites. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 246, 102-108	5.3	32
44	Three-dimensional reconstruction of enamel thickness and volume in humans and hominoids. <i>European Journal of Oral Sciences</i> , <b>2006</b> , 114 Suppl 1, 360-4; discussion 375-6, 382-3	2.3	17
43	Apatite Fission-Track Analysis. <i>Reviews in Mineralogy and Geochemistry</i> , <b>2005</b> , 58, 49-94	7.1	379
42	Forward and Inverse Modeling of Low-Temperature Thermochronometry Data. <i>Reviews in Mineralogy and Geochemistry</i> , <b>2005</b> , 58, 275-314	7.1	751
41	Computational Tools for Low-Temperature Thermochronometer Interpretation. <i>Reviews in Mineralogy and Geochemistry</i> , <b>2005</b> , 58, 589-622	7.1	118
40	Nondestructive high-resolution visualization and measurement of anisotropic effective porosity in complex lithologies using high-resolution X-ray computed tomography. <i>Journal of Hydrology</i> , <b>2005</b> , 302, 92-106	6	81
39	Hoax or History: A Bison Skull with Embedded Calf Creek Projectile Point. <i>Plains Anthropologist</i> , <b>2005</b> , 50, 221-226	0.6	3
38	The role of crystallographic angle in characterizing and modeling apatite fission-track length data. <i>Radiation Measurements</i> , <b>2005</b> , 39, 595-601	1.5	22
37	Definitive fossil evidence for the extant avian radiation in the Cretaceous. <i>Nature</i> , <b>2005</b> , 433, 305-8	50.4	261
36	Three-dimensional grain fabric measurements using high-resolution X-ray computed tomography. <i>Journal of Structural Geology</i> , <b>2005</b> , 27, 1217-1228	3	171
35	Angular orientation of trabecular bone in the femoral head and its relationship to hip joint loads in leaping primates. <i>Journal of Morphology</i> , <b>2005</b> , 265, 249-63	1.6	70
34	Organization of the Olfactory and Respiratory Skeleton in the Nose of the Gray Short-Tailed Opossum <i>Monodelphis domestica</i> . <i>Journal of Mammalian Evolution</i> , <b>2005</b> , 12, 303-336	2.2	85
33	3. Apatite Fission-Track Analysis <b>2005</b> , 49-94		42
32	11. Forward and Inverse Modeling of Low-Temperature Thermochronometry Data <b>2005</b> , 275-314		80
31	Improved methods for quantitative analysis of three-dimensional porphyroblastic textures <b>2005</b> , 1, 42		22
30	Electronic article. Getting the inside story: using computed X-ray tomography to study inclusion trails in garnet porphyroblasts. <i>American Mineralogist</i> , <b>2005</b> , 90, ea1-ea17	2.9	14



29	Computational methods for quantitative analysis of three-dimensional features in geological specimens <b>2005</b> , 1, 32		235
28	Quantification and visualization of anisotropy in trabecular bone. <i>Journal of Microscopy</i> , <b>2004</b> , 213, 158-719		129
27	The avian nature of the brain and inner ear of Archaeopteryx. <i>Nature</i> , <b>2004</b> , 430, 666-9	50.4	164
26	Structure and function of the horn shark ( <i>Heterodontus francisci</i> ) cranium through ontogeny: development of a hard prey specialist. <i>Journal of Morphology</i> , <b>2004</b> , 260, 1-12	1.6	67
25	Applications of high-resolution X-ray computed tomography in petrology, meteoritics and palaeontology. <i>Geological Society Special Publication</i> , <b>2003</b> , 215, 7-22	1.7	34
24	IN SITU DISTRIBUTION OF GOLD IN ORES USING HIGH-RESOLUTION X-RAY COMPUTED TOMOGRAPHY. <i>Economic Geology</i> , <b>2003</b> , 98, 1697-1701	4.3	21
23	A uniquely specialized ear in a very early tetrapod. <i>Nature</i> , <b>2003</b> , 425, 65-9	50.4	85
22	From CT scans of embedded Ivanovia to models using rapid prototyping. <i>Palaeontology</i> , <b>2003</b> , 46, 839-843		4
21	Observations on the relationship between crystallographic orientation and biasing in apatite fission-track measurements. <i>American Mineralogist</i> , <b>2003</b> , 88, 817-829	2.9	35
20	The three-dimensional structure of trabecular bone in the femoral head of strepsirrhine primates. <i>Journal of Human Evolution</i> , <b>2002</b> , 43, 1-26	3.1	114
19	Femoral head trabecular bone structure in two omomyid primates. <i>Journal of Human Evolution</i> , <b>2002</b> , 43, 241-63	3.1	83
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