

Henrik Birkedal

List of Publications by Year in descending order

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139
papers

6,864
citations

101543

36
h-index

64796

79
g-index

147
all docs

147
docs citations

147
times ranked

9181
citing authors

#	ARTICLE	IF	CITATIONS
1	pH-induced metal-ligand cross-links inspired by mussel yield self-healing polymer networks with near-covalent elastic moduli. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2651-2655.	7.1	1,314
2	Sacrificial bonds and hidden length dissipate energy as mineralized fibrils separate during bone fracture. Nature Materials, 2005, 4, 612-616.	27.5	829
3	Self-Healing Mussel-Inspired Multi-pH-Responsive Hydrogels. Biomacromolecules, 2013, 14, 297-301.	5.4	399
4	Mussel-Inspired Materials: Self-Healing through Coordination Chemistry. Chemistry - A European Journal, 2016, 22, 844-857.	3.3	257
5	Size-Dependent Accumulation of PEGylated Silane-Coated Magnetic Iron Oxide Nanoparticles in Murine Tumors. ACS Nano, 2009, 3, 1947-1951.	14.6	242
6	Zinc and mechanical prowess in the jaws of Nereis, a marine worm. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9144-9149.	7.1	166
7	Bioinspired Ultratough Hydrogel with Fast Recovery, Self-Healing, Injectability and Cytocompatibility. Advanced Materials, 2017, 29, 1700759.	21.0	148
8	Spontaneous Formation of Nanoparticle Vesicles from Homopolymer Polyelectrolytes. Journal of the American Chemical Society, 2003, 125, 8285-8289.	13.7	131
9	Influence of the degradation of the organic matrix on the microscopic fracture behavior of trabecular bone. Bone, 2004, 35, 1013-1022.	2.9	113
10	Gels and threads: mussel-inspired one-pot route to advanced responsive materials. Chemical Communications, 2014, 50, 13278-13281.	4.1	113
11	Ag/AgCl-Loaded Ordered Mesoporous Anatase for Photocatalysis. Chemistry of Materials, 2005, 17, 1409-1415.	6.7	109
12	Metals & polymers in the mix: fine-tuning the mechanical properties & color of self-healing mussel-inspired hydrogels. Journal of Materials Chemistry B, 2014, 2, 8292-8297.	5.8	102
13	Mussel-Inspired Self-Healing Double-Cross-Linked Hydrogels by Controlled Combination of Metal Coordination and Covalent Cross-Linking. Biomacromolecules, 2018, 19, 1402-1409.	5.4	95
14	Microstructural and Biochemical Characterization of the Nanoporous Sucker Rings from <i>Dosidicus gigas</i> . Advanced Materials, 2009, 21, 401-406.	21.0	91
15	The charge density of urea from synchrotron diffraction data. Acta Crystallographica Section A: Foundations and Advances, 2004, 60, 371-381.	0.3	87
16	Observation of Uniaxial Negative Thermal Expansion in an Organic Crystal We thank the staff of the Swiss-Norwegian Beam Line for their kind assistance and the Swiss National Science Foundation for financial support. H.B. thanks the Danish Research Agency for further financial support.. Angewandte Chemie - International Edition, 2002, 41, 754.	13.8	79
17	Anisotropic Crystal Growth Kinetics of Anatase TiO ₂ Nanoparticles Synthesized in a Nonaqueous Medium. Chemistry of Materials, 2010, 22, 6044-6055.	6.7	77
18	Halogenated Veneers: Protein Cross-Linking and Halogenation in the Jaws of Nereis, a Marine Polychaete Worm. ChemBioChem, 2006, 7, 1392-1399.	2.6	75

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19	Hg _{0.04} Zn _{3.96} Sb ₃ : Synthesis, Crystal Structure, Phase Transition, and Thermoelectric Properties. <i>Chemistry of Materials</i> , 2007, 19, 6304-6311.	6.7	73
20	Irregularities in the Effect of Potassium Phosphate in Ynamide Synthesis. <i>Journal of Organic Chemistry</i> , 2008, 73, 9447-9450.	3.2	73
21	In Situ High-Energy Synchrotron Radiation Study of Sol-Gel Nanoparticle Formation in Supercritical Fluids. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1113-1116.	13.8	69
22	Pulsed DC magnetron sputtered Al ₂ O ₃ films and their hardness. <i>Surface and Coatings Technology</i> , 2007, 202, 920-924.	4.8	57
23	Cd Substitution in Mn ₂ Zn ₄ Sb ₃ : Effect on Thermal Stability, Crystal Structure, Phase Transitions, and Thermoelectric Performance. <i>Chemistry of Materials</i> , 2010, 22, 2375-2383.	6.7	54
24	Micrometer-Sized Spherical Assemblies of Polypeptides and Small Molecules by Acid-Base Chemistry. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5652-5655.	13.8	53
25	Apatite Formation from Amorphous Calcium Phosphate and Mixed Amorphous Calcium Phosphate/Amorphous Calcium Carbonate. <i>Chemistry - A European Journal</i> , 2016, 22, 12347-12357.	3.3	51
26	Mapping the 3D orientation of nanocrystals and nanostructures in human bone: Indications of novel structural features. <i>Science Advances</i> , 2020, 6, eaba4171.	10.3	51
27	Osteocyte lacunar properties and cortical microstructure in human iliac crest as a function of age and sex. <i>Bone</i> , 2016, 91, 11-19.	2.9	49
28	Anharmonicity in anisotropic displacement parameters. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2000, 56, 425-435.	0.3	47
29	Calcified Cartilage Islands in Rat Cortical Bone. <i>Calcified Tissue International</i> , 2013, 92, 330-338.	3.1	47
30	Osteocyte lacunar properties in rat cortical bone: Differences between lamellar and central bone. <i>Journal of Structural Biology</i> , 2015, 191, 59-67.	2.8	47
31	Reduction of Dioxide by a Dimanganese Unit Bonded Inside a Cavity Provided by a Pyrrole-Based Dinucleating Ligand. <i>Chemistry - A European Journal</i> , 2001, 7, 1468-1478.	3.3	46
32	Scavenging and Reclaiming Phosphines Associated with Group 10 Metal-Mediated Couplings. <i>Organic Letters</i> , 2004, 6, 2305-2308.	4.6	44
33	Strontium and Bone Nanostructure in Normal and Ovariectomized Rats Investigated by Scanning Small-Angle X-Ray Scattering. <i>Calcified Tissue International</i> , 2010, 86, 294-306.	3.1	43
34	Bioinspired Metal-Polyphenol Materials: Self-Healing and Beyond. <i>Biomimetics</i> , 2019, 4, 30.	3.3	43
35	The Room-Temperature Superstructure of ZrP ₂ O ₇ Is Orthorhombic: There Are No Unusual 180° P-O-P Bond Angles. <i>Inorganic Chemistry</i> , 2006, 45, 4346-4351.	4.0	41
36	Influence of sample compaction on the thermoelectric performance of Zn ₄ Sb ₃ . <i>Applied Physics Letters</i> , 2006, 89, 242108.	3.3	40

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37	Immobilization and long-term recovery results in large changes in bone structure and strength but no corresponding alterations of osteocyte lacunar properties. <i>Bone</i> , 2016, 91, 139-147.	2.9	38
38	The effect of Mg doping on the thermoelectric performance of Zn ₄ Sb ₃ . <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	37
39	Distribution and Role of Trace Transition Metals in Glycera Worm Jaws Studied with Synchrotron Microbeam Techniques. <i>Chemistry of Materials</i> , 2005, 17, 2927-2931.	6.7	36
40	The Yellow Polymorphs of Mercuric Iodide (HgI ₂). <i>Helvetica Chimica Acta</i> , 2003, 86, 1410-1422.	1.6	35
41	Singlet Oxygen's Response to Protein Dynamics. <i>Journal of the American Chemical Society</i> , 2011, 133, 7166-7173.	13.7	35
42	Osteopontin Stabilizes Metastable States Prior to Nucleation during Apatite Formation. <i>Chemistry of Materials</i> , 2016, 28, 8550-8555.	6.7	35
43	Bone Biomineral Properties Vary across Human Osteonal Bone. <i>ACS Nano</i> , 2019, 13, 12949-12956.	14.6	35
44	Diffraction scattering computed tomography: a window into the structures of complex nanomaterials. <i>Nanoscale</i> , 2015, 7, 18402-18410.	5.6	34
45	Strontium Is Incorporated into the Fracture Callus but Does Not Influence the Mechanical Strength of Healing Rat Fractures. <i>Calcified Tissue International</i> , 2011, 88, 142-152.	3.1	33
46	Canalicular Junctions in the Osteocyte Lacuno-Canalicular Network of Cortical Bone. <i>ACS Nano</i> , 2019, 13, 6421-6430.	14.6	32
47	Structural, Photophysical and Chiro-Optical Properties of Lanthanide Complexes with a Bis(benzimidazole)pyridine-Based Chiral Ligand. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 4065-4072.	2.0	29
48	A comprehensive study of the crystallization mechanism involved in the nonaqueous formation of tungstite. <i>Nanoscale</i> , 2013, 5, 8517.	5.6	29
49	The structure of orange HgI ₂ . I. Polytypic layer structure. <i>Acta Crystallographica Section B: Structural Science</i> , 2002, 58, 903-913.	1.8	28
50	Hierarchical Tubular Structures Grown from the Gel/Liquid Interface. <i>Chemistry - A European Journal</i> , 2014, 20, 16112-16120.	3.3	28
51	Remotely Triggered Liquefaction of Hydrogel Materials. <i>ACS Nano</i> , 2020, 14, 9145-9155.	14.6	28
52	Self-assembly of CdSe/CdS quantum dots by hydrogen bonding on Au surfaces for photoreception. <i>Chemical Communications</i> , 2003, , 2278.	4.1	27
53	Fast Preparation and Characterization of Quarternary Thermoelectric Clathrates. <i>Chemistry of Materials</i> , 2009, 21, 122-127.	6.7	27
54	Protein cage nanoparticles as secondary building units for the synthesis of 3-dimensional coordination polymers. <i>Soft Matter</i> , 2010, 6, 3167.	2.7	27

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55	Dual-Responsive Material Based on Catechol-Modified Self-Immobilative Poly(Disulfide) Backbones. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21543-21549.	13.8	27
56	Modification of bone-like apatite nanoparticle size and growth kinetics by alizarin red S. <i>Nanoscale</i> , 2010, 2, 2478.	5.6	26
57	Three-dimensional distribution of polymorphs and magnesium in a calcified underwater attachment system by diffraction tomography. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130319.	3.4	25
58	Uncovering Nature's Design Strategies through Parametric Modeling, Multi-Material 3D Printing, and Mechanical Testing. <i>Advanced Engineering Materials</i> , 2017, 19, e201600848.	3.5	24
59	Genetic Ablation of Osteopontin in Osteomalacic Hyp Mice Partially Rescues the Deficient Mineralization Without Correcting Hypophosphatemia. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 2032-2048.	2.8	23
60	Osteopontin Reduces Biofilm Formation in a Multi-Species Model of Dental Biofilm. <i>PLoS ONE</i> , 2012, 7, e41534.	2.5	23
61	Smaller Calcite Lattice Deformation Caused by Occluded Organic Material in Coccoliths than in Mollusk Shell. <i>Crystal Growth and Design</i> , 2015, 15, 2761-2767.	3.0	21
62	Continuous flow supercritical water synthesis and crystallographic characterization of anisotropic boehmite nanoparticles. <i>Journal of Applied Crystallography</i> , 2010, 43, 858-866.	4.5	20
63	Phase-transition-induced twinning in the 1:1 adduct of hexamethylenetetramine and azelaic acid. <i>Acta Crystallographica Section B: Structural Science</i> , 1999, 55, 448-458.	1.8	19
64	The commensurate $\sqrt{2}$ -structure of β -tantalum. <i>Acta Crystallographica Section B: Structural Science</i> , 2003, 59, 324-336.	1.8	19
65	Nanostructure of the neurocentral growth plate: Insight from scanning small angle X-ray scattering, atomic force microscopy and scanning electron microscopy. <i>Bone</i> , 2006, 39, 530-541.	2.9	19
66	Transparent Aggregates of Nanocrystalline Hydroxyapatite. <i>Crystal Growth and Design</i> , 2014, 14, 6343-6349.	3.0	19
67	X-ray Linear Dichroism in Apatite. <i>Journal of the American Chemical Society</i> , 2018, 140, 11698-11704.	13.7	19
68	Oxidation controlled lift-off of 3D chiral plasmonic Au nano-hooks. <i>Nano Research</i> , 2019, 12, 1635-1642.	10.4	19
69	From bench scale to pilot plant: A 150x scaled-up configuration of a microwave-driven structured reactor for methane dehydroaromatization. <i>Catalysis Today</i> , 2022, 383, 21-30.	4.4	19
70	Polymeric aqua(glutarato)(hydrogen glutarato)lanthanum(III) monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 789-792.	0.4	18
71	Spatial Organization of Hydroxyapatite Nanorods on a Substrate via a Biomimetic Approach. <i>Crystal Growth and Design</i> , 2013, 13, 4213-4219.	3.0	18
72	Nanobeam X-ray fluorescence and diffraction computed tomography on human bone with a resolution better than 120 nm. <i>Journal of Structural Biology</i> , 2020, 212, 107631.	2.8	18

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73	Neutron and X-ray Diffraction Study of the Thermal Motion in K ₂ PtCl ₆ as a Function of Temperature. <i>Acta Crystallographica Section B: Structural Science</i> , 1998, 54, 121-128.	1.8	17
74	Stacking disorder: the hexagonal polymorph of tris(bicyclo[2.1.1]hexeno)benzene and related examples. <i>Zeitschrift für Kristallographie</i> , 2005, 220, .	1.1	16
75	Bis[4-(salicylideneamino)phenyl]methane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, o139-o141.	0.4	16
76	Temporal Assembly of Collagen Type II Studied by Atomic Force Microscopy. <i>Advanced Engineering Materials</i> , 2007, 9, 1129-1133.	3.5	16
77	<i>MultiRef</i> : software platform for Rietveld refinement of multiple powder diffractograms from <i>in situ</i> , scanning or diffraction tomography experiments. <i>Journal of Applied Crystallography</i> , 2015, 48, 2019-2025.	4.5	15
78	Nanostructure and mechanical properties of the osteocyte lacunar-canalicular network-associated bone matrix revealed by quantitative nanomechanical mapping. <i>Nano Research</i> , 2015, 8, 3250-3260.	10.4	15
79	Diffraction tomography and Rietveld refinement of a hydroxyapatite bone phantom. <i>Journal of Applied Crystallography</i> , 2016, 49, 103-109.	4.5	15
80	No Signature of Osteocytic Osteolysis in Cortical Bone from Lactating NMRI Mice. <i>Calcified Tissue International</i> , 2019, 105, 308-315.	3.1	15
81	Polymorphism and stacking disorder in tris(bicyclo[2.1.1]hexeno)benzene. <i>Journal of Molecular Structure</i> , 2003, 647, 233-242.	3.6	14
82	Influence of poly(acrylic acid) on apatite formation studied by <i>in situ</i> X-ray diffraction using an X-ray scattering reaction cell with high-precision temperature control. <i>Journal of Applied Crystallography</i> , 2012, 45, 976-981.	4.5	14
83	Cimetidine, C ₁₀ H ₁₆ N ₆ S, form C: crystal structure and modelling of polytypes using the superspace approach. <i>Journal of Applied Crystallography</i> , 2013, 46, 99-107.	4.5	14
84	Mimicking mussel mechanics. <i>Nature Chemistry</i> , 2017, 9, 408-409.	13.6	14
85	Pyrophosphate-Inhibition of Apatite Formation Studied by In Situ X-Ray Diffraction. <i>Minerals (Basel)</i> 11(10):1431-1440. doi:10.3390/min11101431	2.0	14
86	A fully extended tetrapeptide consisting of natural amino acids Electronic supplementary information (ESI) available: details of the crystallographic work, ab initio calculations (including coordinates) and data base searches. See http://www.rsc.org/suppdata/cc/b2/b208306j/ . <i>Chemical Communications</i> , 2002, , 2812-2813.	4.1	13
87	Urotropin azelate: a rather unwilling co-crystal. <i>Acta Crystallographica Section B: Structural Science</i> , 2003, 59, 72-86.	1.8	13
88	Architecture of the Biomineralized Byssus of the Saddle Oyster (<i>Anomia</i> sp.). <i>Journal of Adhesion</i> , 2009, 85, 590-600.	3.0	13
89	Concurrent determination of nanocrystal shape and amorphous phases in complex materials by diffraction scattering computed tomography. <i>Journal of Applied Crystallography</i> , 2017, 50, 192-197.	4.5	13
90	Calcium-Phosphate-Osteopontin Particles Reduce Biofilm Formation and pH Drops in <i>in situ</i> Grown Dental Biofilms. <i>Caries Research</i> , 2017, 51, 26-33.	2.0	13

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91	Alkali Counterions Impact Crystallization Kinetics of Apatite Nanocrystals from Amorphous Calcium Phosphate in Water at High pH. <i>Crystal Growth and Design</i> , 2018, 18, 6723-6728.	3.0	13
92	Opportunities for biomineralization research using multiscale computed X-ray tomography as exemplified by bone imaging. <i>Journal of Structural Biology</i> , 2022, 214, 107822.	2.8	13
93	Molecular Dynamics Study of Tryptophylglycine: A Dipeptide Nanotube with Confined Water. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6458-6466.	2.6	12
94	Structural Evolution of Aqueous Zirconium Acetate by Time-Resolved Small-Angle X-ray Scattering and Rheology. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12660-12667.	3.1	12
95	Internal structure of sponge glass fiber revealed by ptychographic nanotomography. <i>Journal of Structural Biology</i> , 2016, 194, 124-128.	2.8	12
96	Influence of Metal Ions on the Melting Temperature, Modulus, and Gelation Time of Gelatin Gels: Specific Ion Effects on Hydrogel Properties. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10062-10067.	2.6	12
97	Stacking disorder: the hexagonal polymorph of tris(bicyclo[2.1.1]hexeno)benzene and related examples. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2005, 220, 1066-1075.	0.8	11
98	Calcite nucleation on the surface of PNIPAM-PAAC micelles studied by time resolved in situ PXRD. <i>CrystEngComm</i> , 2015, 17, 6940-6946.	2.6	11
99	The pattern of human bone dissolution: A histological study of Iron warriors from a Danish wetland site. <i>International Journal of Osteoarchaeology</i> , 2018, 28, 407-418.	1.2	11
100	Synthesis of trans-[Mo(O)(F)(dppe) ₂](BF ₄), trans-[Mo(O)(OH)(dppe) ₂](ClO ₄), and trans-[Mo(O) ₂ (dppe) ₂] \cdot 2L (L = H ₂ O, CH ₃ OH, CH ₃ CH ₂ OH, CH ₃ CHOHCH ₃). <i>Crystal Structure of trans-[Mo(O)₂(dppe)₂]\cdot2CH₃OH</i> . <i>Inorganic Chemistry</i> , 1997, 36, 2702-2703.	4.0	10
101	Magnetic phase diagram of Eu ₄ Ga ₈ Ge ₁₆ by magnetic susceptibility, heat capacity, and Mössbauer measurements. <i>Physical Review B</i> , 2003, 68, .	3.2	10
102	Environmentally benign fabrication of calcium hydroxyapatite using seashells collected in Baltic Sea countries: A comparative study. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 919-925.	1.6	10
103	Organ and tissue level properties are more sensitive to age than osteocyte lacunar characteristics in rat cortical bone. <i>Bone Reports</i> , 2016, 4, 28-34.	0.4	10
104	Lattice macro and microstrain fluctuations in the calcified byssus of <i>Anomia simplex</i> . <i>European Journal of Mineralogy</i> , 2014, 26, 517-522.	1.3	9
105	Stimuli-responsive degrafting of polymer brushes via addressable catecholato-metal attachments. <i>Polymer Chemistry</i> , 2020, 11, 5572-5577.	3.9	9
106	Bone hierarchical structure: spatial variation across length scales. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022, 78, 305-311.	1.1	9
107	Calcium-phosphate-osteopontin particles for caries control. <i>Biofouling</i> , 2016, 32, 349-357.	2.2	8
108	Vase-like β -Polymorph Guanine Crystal Aggregates Formed at the Air-Water Interface. , 2020, 2, 446-452.		8

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109	Phase Transformations in Calcium Phosphate Crystallization. , 2017, , 199-210.		8
110	Thermal expansion and phase purity of commercial MgB ₂ . Journal of Materials Science Letters, 2003, 22, 1069-1071.	0.5	7
111	Neutron diffraction investigation of the temperature dependence of crystal structure and thermal motions of red HgI ₂ . Acta Crystallographica Section B: Structural Science, 2007, 63, 828-835.	1.8	7
112	Precipitation of Inorganic Phases through a Photoinduced pH Jump: From Vaterite Spheroids and Shells to ZnO Flakes and Hexagonal Plates. Crystal Growth and Design, 2018, 18, 1951-1955.	3.0	7
113	Precision lattice parameter determination from transmission diffraction of thick specimens with irregular cross sections. Journal of Applied Crystallography, 2019, 52, 40-46.	4.5	7
114	Morphology-preserving transformation of minerals mediated by a temperature-responsive polymer membrane: calcite to hydroxyapatite. CrystEngComm, 2016, 18, 2289-2293.	2.6	6
115	Editorial: Catechol and Polyphenol Chemistry for Smart Polymers. Frontiers in Chemistry, 2019, 7, 883.	3.6	5
116	Mussel inspired self-healing materials: Coordination chemistry of polyphenols. Advances in Inorganic Chemistry, 2020, 76, 229-258.	1.0	5
117	Diffraction computed tomography reveals the inner structure of complex biominerals. , 2014, , .		4
118	Dual-Responsive Material Based on Catechol-Modified Self-Immolative Poly(Disulfide) Backbones. Angewandte Chemie, 2021, 133, 21713-21719.	2.0	4
119	Self-Assembling Microspheres from Charged Functional Polyelectrolytes and Small-Molecule Counterions. Materials Research Society Symposia Proceedings, 2004, 823, W4.12.1.	0.1	3
120	Chemical Heterogeneity of a Crystal Built of Nanoscale Coherently Twinned Yb ₂ ^x (Fe,Ga) _{17+2x} Polytypes. Chemistry - A European Journal, 2004, 10, 2972-2976.	3.3	3
121	Local Release of Strontium from Sputter-Deposited Coatings at Implants Increases the Strontium-to-Calcium Ratio in Peri-implant Bone. ACS Biomaterials Science and Engineering, 2022, 8, 620-625.	5.2	3
122	The Jaws of Nereis: Microstructure and Mechanical Properties. Materials Research Society Symposia Proceedings, 2005, 874, 1.	0.1	2
123	High Temperature stability of thermoelectric Zn ₄ Sb ₃ . , 2006, , .		2
124	Hierarchical Design and Nanomechanics of the Calcified Byssus of Anomia simplex. Materials Research Society Symposia Proceedings, 2009, 1187, 74.	0.1	2
125	Co-incorporation of alkali metal ions during amorphous calcium carbonate precipitation and their stabilizing effect. Physical Chemistry Chemical Physics, 2019, 21, 13230-13233.	2.8	2
126	In situ loading and x-ray diffraction quantification of strains in hydroxyapatite particles within a 3D printed scaffold. Materialia, 2021, 18, 101174.	2.7	2

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127	Magnetic Structure and Thermal Expansion of Eu ₄ Ga ₈ Ge ₁₆ . Materials Research Society Symposia Proceedings, 2002, 755, 1.	0.1	1
128	Pore Structures in the Biomineralized Byssus of <i>Anomia simplex</i> . Key Engineering Materials, 2016, 672, 71-79.	0.4	1
129	Comment on Quantitative Evaluation of Osteocyte Morphology and Bone Anisotropic Extracellular Matrix in Rat Femur. Calcified Tissue International, 2021, , 1.	3.1	1
130	Intact archeological human bones and age at death studied with transmission x-ray diffraction and small angle x-ray scattering. International Journal of Osteoarchaeology, 0, , .	1.2	1
131	The osteocyte lacuno-canalicular network in bone investigated by synchrotron radiation-based techniques. , 2019, , .		1
132	Self-Forming Double-Crosslinked Hydrogels by the Marriage of Catechols and Enzyme Mimetic Polymers. Chemical Communications, 2022, , .	4.1	1
133	N-Z-Proâ€D-Leu using synchrotron radiation data from a very small crystal. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 975-977.	0.4	0
134	The Yellow Polymorphs of Mercuric Iodide (HgI ₂).. ChemInform, 2003, 34, no.	0.0	0
135	Assembly of CdSe/CdS Quantum Dots on Au Surfaces for Photoreception. Materials Research Society Symposia Proceedings, 2003, 796, 79.	0.1	0
136	Time Induced Changes in Phase Transition Behavior and Stability of Zn ₄ Sb ₃ . Materials Research Society Symposia Proceedings, 2006, 945, 1.	0.1	0
137	The effect of Mg doping on the thermoelectric performance of Zn ₄ Sb ₃ . , 2007, , .		0
138	Sucker Rings from the Humboldt Squid <i>Dosidicus gigas</i> : The Role of Nanotubule Architecture on the Mechanical Properties. Materials Research Society Symposia Proceedings, 2009, 1187, 1.	0.1	0
139	Frontispiece: Hierarchical Tubular Structures Grown from the Gel/Liquid Interface. Chemistry - A European Journal, 2014, 20, n/a-n/a.	3.3	0