

Adrian A Finch

List of Publications by Year in descending order

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48
papers

1,509
citations

304743

22
h-index

315739

38
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48
all docs

48
docs citations

48
times ranked

1585
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of rare earth elements in regolith-hosted clay deposits. <i>Nature Communications</i> , 2020, 11, 4386.	12.8	146
2	The causes and petrological significance of cathodoluminescence emissions from alkali feldspars. <i>Contributions To Mineralogy and Petrology</i> , 1999, 135, 234-243.	3.1	115
3	$\delta^{11}\text{B}$, Sr, Mg and B in a modern <i>Porites</i> coral: the relationship between calcification site pH and skeletal chemistry. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1790-1800.	3.9	96
4	Palaeoenvironmental records from fossil corals: The effects of submarine diagenesis on temperature and climate estimates. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4693-4703.	3.9	91
5	Corals concentrate dissolved inorganic carbon to facilitate calcification. <i>Nature Communications</i> , 2014, 5, 5741.	12.8	91
6	High-resolution Sr/Ca records in modern <i>Porites lobata</i> corals: Effects of skeletal extension rate and architecture. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	81
7	Mg structural state in coral aragonite and implications for the paleoenvironmental proxy. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	78
8	Strontium in coral aragonite: 3. Sr coordination and geochemistry in relation to skeletal architecture. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3801-3811.	3.9	52
9	Strontium distribution in the shell of the aragonite bivalve <i>Arctica islandica</i> . <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	52
10	Corroborated rainfall records from aragonitic stalagmites. <i>Earth and Planetary Science Letters</i> , 2003, 215, 265-273.	4.4	41
11	Ionoluminescence of zircon: rare earth emissions and radiation damage. <i>Journal Physics D: Applied Physics</i> , 2004, 37, 2795-2803.	2.8	40
12	Controls on Sr/Ca and Mg/Ca in scleractinian corals: The effects of Ca-ATPase and transcellular Ca channels on skeletal chemistry. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6350-6360.	3.9	40
13	Magnesium in the lattice of calcite-shelled brachiopods. <i>Chemical Geology</i> , 2008, 257, 59-64.	3.3	39
14	The red to near-infrared luminescence in alkali feldspar. <i>Contributions To Mineralogy and Petrology</i> , 2002, 143, 484-494.	3.1	37
15	High temporal resolution Mg/Ca and Ba/Ca records in modern <i>Porites lobata</i> corals. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	36
16	Strontium in coral aragonite: 2. Sr coordination and the long-term stability of coral environmental records. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 4519-4527.	3.9	32
17	Reconstruction of deglacial sea surface temperatures in the tropical Pacific from selective analysis of a fossil coral. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	31
18	Strontium in coral aragonite: 1. Characterization of Sr coordination by extended absorption X-ray fine structure. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 1197-1202.	3.9	28

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19	Transformation of LiTi ₂ O ₄ from Spinel to Ramsdellite on Heating. <i>Journal of Solid State Chemistry</i> , 1997, 132, 382-388.	2.9	27
20	The potential origins and palaeoenvironmental implications of high temporal resolution $\delta^{18}\text{O}$ heterogeneity in coral skeletons. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5537-5548.	3.9	27
21	Understanding processes of sediment bleaching in glacial settings using a portable OSL reader. <i>Boreas</i> , 2014, 43, 955-972.	2.4	26
22	Geochemistry of pyrochlore minerals from the Motzfeldt Center, South Greenland: The mineralogy of a syenite-hosted Ta, Nb deposit. <i>American Mineralogist</i> , 2013, 98, 426-438.	1.9	23
23	Photoluminescence of zircon (ZrSiO ₄) doped with REE ³⁺ (REE = Pr, Sm, Eu, Gd, Dy, Ho, Er). <i>Physics and Chemistry of Minerals</i> , 2010, 37, 333-342.	0.8	22
24	Ba XAFS in Ba-rich standard minerals and the potential for determining Ba structural state in calcium carbonate. <i>Chemical Geology</i> , 2010, 270, 179-185.	3.3	22
25	Independent ages of magmatic and hydrothermal activity in alkaline igneous rocks: The Motzfeldt Centre, Gardar Province, South Greenland. <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 967-982.	3.1	22
26	Reproducibility of minor and trace element determinations in <i>Porites</i> coral skeletons by secondary ion mass spectrometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	16
27	From Mantle to Motzfeldt: A genetic model for syenite-hosted Ta, Nb-mineralisation. <i>Ore Geology Reviews</i> , 2019, 107, 402-416.	2.7	16
28	Alkaline-Silicate REE-HFSE Systems. <i>Economic Geology</i> , 2023, 118, 177-208.	3.8	16
29	Ion size effects on thermoluminescence of terbium and europium doped magnesium orthosilicate. <i>Journal of Materials Research</i> , 2015, 30, 3443-3452.	2.6	14
30	Defects in sodalite-group minerals determined from X-ray-induced luminescence. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 481-491.	0.8	14
31	Optical determination of the width of the band-tail states, and the excited and ground state energies of the principal dosimetric trap in feldspar. <i>Radiation Measurements</i> , 2019, 125, 40-51.	1.4	14
32	Controls on the Valence Species of Arsenic in Tobacco Smoke: XANES Investigation with Implications for Health and Regulation. <i>Environmental Science & Technology</i> , 2014, 48, 3449-3456.	10.0	13
33	Structural state of rare earth elements in eudialyte-group minerals. <i>Mineralogical Magazine</i> , 2020, 84, 19-34.	1.4	12
34	U-Pb radiometric age of Nunarsuit pegmatite, Greenland: constraints on the timing of Gardar magmatism. <i>Bulletin of the Geological Society of Denmark</i> , 2001, 48, 1-7.	1.1	12
35	Solvothermal indium fluoride chemistry: Syntheses and crystal structures of K ₅ In ₃ F ₁₄ , $\hat{\Gamma}^2$ -(NH ₄) ₃ InF ₆ and [NH ₄] ₃ [C ₆ H ₂₁ N ₄] ₂ [In ₄ F ₂₁]. <i>Journal of Solid State Chemistry</i> , 2010, 183, 356-360.	2.9	11
36	A high resolution $\delta^{13}\text{C}$ record in a modern <i>Porites lobata</i> coral: Insights into controls on skeletal $\delta^{13}\text{C}$. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 84, 534-542.	3.9	11

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37	Layering in peralkaline magmas, IlĀmaussaq Complex, S Greenland. <i>Lithos</i> , 2017, 268-271, 1-15.	1.4	11
38	Influence of crystallographic orientation of biogenic calcite on in situ Mg XANES analyses. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 572-575.	2.4	9
39	Hydrothermal synthesis and luminescent properties of a new family of organically templated lanthanide fluorides. <i>Journal of Materials Chemistry</i> , 2007, 17, 4178.	6.7	8
40	Critical current behaviour in reduced magnesium titanate spinel showing zero resistance. <i>Physica C: Superconductivity and Its Applications</i> , 1993, 212, 95-100.	1.2	7
41	Combined single-crystal X-ray and neutron powder diffraction structure analysis exemplified through full structure determinations of framework and layer beryllate minerals. <i>American Mineralogist</i> , 2010, 95, 519-526.	1.9	7
42	ESEEM and multi-frequency EPR study on Mn ²⁺ luminescence centres in leucophanite. <i>Physics and Chemistry of Minerals</i> , 2010, 37, 519-528.	0.8	5
43	Trough structures in the Western syenite of KĀngnĀct, S Greenland: mineralogy and mechanism of formation. <i>Contributions To Mineralogy and Petrology</i> , 1997, 127, 46-56.	3.1	4
44	Ionoluminescence of leucophanite. <i>American Mineralogist</i> , 2007, 92, 254-260.	1.9	4
45	SIMS sputtering rates in biogenic aragonite: implications for culture calibration studies for palaeoenvironmental reconstruction. <i>Surface and Interface Analysis</i> , 2013, 45, 1389-1394.	1.8	4
46	Rapakivi granites, South Greenland: hydrothermal alteration of igneous layering. <i>Journal of the Geological Society</i> , 1990, 147, 739-742.	2.1	3
47	A high sensitivity system for luminescence measurement of materials. <i>Luminescence</i> , 2019, 34, 280-289.	2.9	2
48	New insights from field observations of the Younger giant dyke complex and mafic lamprophyres of the Gardar Province on Tuttutooq island, South Greenland. <i>Geological Survey of Denmark and Greenland Bulletin</i> , 0, 47, .	2.0	1