

John Ayers

List of Publications by Year in descending order

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39
papers

4,136
citations

257450

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46
all docs

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docs citations

46
times ranked

3105
citing authors

#	ARTICLE	IF	CITATIONS
1	The solubility of titanite in silicate melt determined from growth and dissolution experiments. Contributions To Mineralogy and Petrology, 2022, 177, .	3.1	4
2	Element Transport and Partitioning Along Tidal Channels in Southwest Bangladesh. Estuaries and Coasts, 2022, 45, 1948-1966.	2.2	1
3	Influences on tidal channel and aquaculture shrimp pond water chemical composition in Southwest Bangladesh. Geochemical Transactions, 2021, 22, 2.	0.7	3
4	CH ₄ and CO ₂ diffuse gas emissions before, during and after a Steamboat Geyser eruption. Journal of Volcanology and Geothermal Research, 2021, 414, 107233.	2.1	2
5	Geochemical partitioning and possible heavy metal(loid) bioaccumulation within aquaculture shrimp ponds. Science of the Total Environment, 2021, 788, 147777.	8.0	15
6	Evaluation of zircon U-Pb geochronology as a tool to determine soil provenance in a limestone terrane, Middle TN, USA. Chemical Geology, 2020, 536, 119465.	3.3	1
7	My last drop. Science, 2020, 370, 374-374.	12.6	1
8	Preliminary Evidence of Transport-Limited Chemical Weathering and Element Immobility in the Ganges Tidal Delta Plain of Bangladesh. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009029.	2.5	4
9	The Neoproterozoic-Paleoproterozoic volcanic-sedimentary rocks in the Zanhuang Complex, North China Craton: Petrogenesis and implications for tectonic evolution. Precambrian Research, 2019, 328, 64-80.	2.7	15
10	Terrace formation in the upper Bengal basin since the Middle Pleistocene: Brahmaputra fan delta construction during multiple highstands. Basin Research, 2018, 30, 550-567.	2.7	25
11	Zircon/fluid trace element partition coefficients measured by recrystallization of Mud Tank zircon at 1.5 GPa and 800-1000 °C. Geochimica Et Cosmochimica Acta, 2018, 223, 60-74.	3.9	19
12	SOLUBILITY OF SPHENE IN SILICEOUS MELTS. , 2018, , .		2
13	Salinization and arsenic contamination of surface water in southwest Bangladesh. Geochemical Transactions, 2017, 18, 4.	0.7	28
14	Drinking water insecurity: water quality and access in coastal south-western Bangladesh. International Journal of Environmental Health Research, 2016, 26, 508-524.	2.7	68
15	Sources of salinity and arsenic in groundwater in southwest Bangladesh. Geochemical Transactions, 2016, 17, 4.	0.7	70
16	Effect of fluid composition on growth rate of monazite in quartzite at 1.0 GPa and 1000 °C. American Mineralogist, 2015, 100, 2579-2589.	1.9	0
17	Simultaneous in situ determination of U-Pb and Sm-Nd isotopes in monazite by laser ablation ICP-MS. Geochemistry, Geophysics, Geosystems, 2014, 15, 2575-2600.	2.5	36
18	The origin and response of zircon in eclogite to metamorphism during the multi-stage evolution of the Huwan Shear Zone, China: Insights from Lu-Hf and U-Pb isotopic and trace element geochemistry. Gondwana Research, 2013, 23, 726-747.	6.0	27

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19	Country rock monazite response to intrusion of the Searchlight pluton, southern Nevada. <i>Numerische Mathematik</i> , 2013, 313, 345-394.	1.4	6
20	Zircon solubility in alkaline aqueous fluids at upper crustal conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 96, 18-28.	3.9	97
21	The El Teniente porphyry Cu-Mo deposit from a hydrothermal rutile perspective. <i>Mineralium Deposita</i> , 2009, 44, 849-866.	4.1	52
22	Experimental measurements of zircon/melt trace-element partition coefficients. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3656-3679.	3.9	80
23	A comparison of U-Pb and Hf isotopic compositions of detrital zircons from the North and South Liaohe Groups: Constraints on the evolution of the Jiao-Liao-Ji Belt, North China Craton. <i>Precambrian Research</i> , 2008, 163, 279-306.	2.7	294
24	In situ oxygen isotope analysis of monazite as a monitor of fluid infiltration during contact metamorphism: Birch Creek Pluton aureole, White Mountains, eastern California. <i>Geology</i> , 2006, 34, 653.	4.4	50
25	Vapor growth and characterization of pyrite (FeS ₂) doped with Co, Ni, and As: Variations in semiconducting properties. <i>Journal of Crystal Growth</i> , 2006, 286, 306-317.	1.5	92
26	Recycling lower continental crust in the North China craton. <i>Nature</i> , 2004, 432, 892-897.	27.8	1,523
27	Geochemical, age, and isotopic constraints on the location of the Sino-Korean/Yangtze Suture and evolution of the Northern Dabie Complex, east central China. <i>Bulletin of the Geological Society of America</i> , 2004, 116, 698.	3.3	139
28	Experimental study of zircon coarsening in quartzite H_2O at 1.0 GPa and 1000 °C, with implications for geochronological studies of high-grade metamorphism. <i>American Mineralogist</i> , 2003, 88, 365-376.	1.9	65
29	Constraints on timing of peak and retrograde metamorphism in the Dabie Shan Ultrahigh-Pressure Metamorphic Belt, east-central China, using U-Th-Pb dating of zircon and monazite. <i>Chemical Geology</i> , 2002, 186, 315-331.	3.3	256
30	Low temperature replacement of monazite in the Ireteba granite, Southern Nevada: geochronological implications. <i>Chemical Geology</i> , 2001, 172, 95-112.	3.3	144
31	Textural development of monazite during high-grade metamorphism; hydrothermal growth kinetics, with implications for U, Th-Pb geochronology. <i>American Mineralogist</i> , 1999, 84, 1766-1780.	1.9	105
32	Trace element modeling of aqueous fluid - peridotite interaction in the mantle wedge of subduction zones. <i>Contributions To Mineralogy and Petrology</i> , 1998, 132, 390-404.	3.1	260
33	Measurements of the pressure-volume-temperature properties of fluids to 20 kbar and 1000 °C: A new approach demonstrated on H ₂ O. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 3121-3134.	3.9	17
34	Partitioning of elements between peridotite and H ₂ O at 2.0-3.0 GPa and 900-1100 °C, and application to models of subduction zone processes. <i>Earth and Planetary Science Letters</i> , 1997, 150, 381-398.	4.4	156
35	Partitioning of elements between silicate melt and H ₂ O-NaCl fluids at 1.5 and 2.0 GPa pressure: Implications for mantle metasomatism. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 4237-4246.	3.9	66
36	Rutile solubility and mobility in supercritical aqueous fluids. <i>Contributions To Mineralogy and Petrology</i> , 1993, 114, 321-330.	3.1	160

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37	Partitioning and mass-balance relations in lherzolites. <i>Chemical Geology</i> , 1993, 107, 19-27.	3.3	7
38	Apatite/fluid partitioning of rare-earth elements and strontium: Experimental results at 1.0 GPa and 1000Å°C and application to models of fluid-rock interaction. <i>Chemical Geology</i> , 1993, 110, 299-314.	3.3	97
39	Experimental evidence for very low solubility of rare-earth elements in CO2-rich fluids at mantle conditions. <i>Nature</i> , 1989, 340, 301-303.	27.8	69