

# John Ayers

## List of Publications by Year in descending order

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39  
papers

4,136  
citations

257450

24  
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302126

39  
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46  
all docs

46  
docs citations

46  
times ranked

3105  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recycling lower continental crust in the North China craton. <i>Nature</i> , 2004, 432, 892-897.	27.8	1,523
2	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
3	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
4	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
5	Rutile solubility and mobility in supercritical aqueous fluids. <i>Contributions To Mineralogy and Petrology</i> , 1993, 114, 321-330.	3.1	160
6	Partitioning of elements between peridotite and H <sub>2</sub> 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
7	Low temperature replacement of monazite in the Ireteba granite, Southern Nevada: geochronological implications. <i>Chemical Geology</i> , 2001, 172, 95-112.	3.3	144
8	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
9	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
10	Apatite/fluid partitioning of rare-earth elements and strontium: Experimental results at 1.0 GPa and 1000°C and application to models of fluid-rock interaction. <i>Chemical Geology</i> , 1993, 110, 299-314.	3.3	97
11	Zircon solubility in alkaline aqueous fluids at upper crustal conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 96, 18-28.	3.9	97
12	Vapor growth and characterization of pyrite (FeS <sub>2</sub> ) doped with Co, Ni, and As: Variations in semiconducting properties. <i>Journal of Crystal Growth</i> , 2006, 286, 306-317.	1.5	92
13	Experimental measurements of zircon/melt trace-element partition coefficients. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3656-3679.	3.9	80
14	Sources of salinity and arsenic in groundwater in southwest Bangladesh. <i>Geochemical Transactions</i> , 2016, 17, 4.	0.7	70
15	Experimental evidence for very low solubility of rare-earth elements in CO <sub>2</sub> -rich fluids at mantle conditions. <i>Nature</i> , 1989, 340, 301-303.	27.8	69
16	Drinking water insecurity: water quality and access in coastal south-western Bangladesh. <i>International Journal of Environmental Health Research</i> , 2016, 26, 508-524.	2.7	68
17	Partitioning of elements between silicate melt and H <sub>2</sub> 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
18	Experimental study of zircon coarsening in quartzite $\hat{A}\pm H<sub>2</sub></sub>O$ 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

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19	The El Teniente porphyry Cu-Mo deposit from a hydrothermal rutile perspective. <i>Mineralium Deposita</i> , 2009, 44, 849-866.	4.1	52
20	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
21	Simultaneous in situ determination of U-Pb and Sm-Nd isotopes in monazite by laser ablation ICP-MS. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2575-2600.	2.5	36
22	Salinization and arsenic contamination of surface water in southwest Bangladesh. <i>Geochemical Transactions</i> , 2017, 18, 4.	0.7	28
23	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. <i>Gondwana Research</i> , 2013, 23, 726-747.	6.0	27
24	Terrace formation in the upper Bengal basin since the Middle Pleistocene: Brahmaputra fan delta construction during multiple highstands. <i>Basin Research</i> , 2018, 30, 550-567.	2.7	25
25	Zircon/fluid trace element partition coefficients measured by recrystallization of Mud Tank zircon at 1.5 GPa and 800-1000°C. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 60-74.	3.9	19
26	Measurements of the pressure-volume-temperature properties of fluids to 20 kbar and 1000°C: A new approach demonstrated on H <sub>2</sub> O. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 3121-3134.	3.9	17
27	The Neoproterozoic-Paleoproterozoic volcanic-sedimentary rocks in the Zanhuang Complex, North China Craton: Petrogenesis and implications for tectonic evolution. <i>Precambrian Research</i> , 2019, 328, 64-80.	2.7	15
28	Geochemical partitioning and possible heavy metal(loid) bioaccumulation within aquaculture shrimp ponds. <i>Science of the Total Environment</i> , 2021, 788, 147777.	8.0	15
29	Partitioning and mass-balance relations in lherzolites. <i>Chemical Geology</i> , 1993, 107, 19-27.	3.3	7
30	Country rock monazite response to intrusion of the Searchlight pluton, southern Nevada. <i>Numerische Mathematik</i> , 2013, 313, 345-394.	1.4	6
31	Preliminary Evidence of Transport-Limited Chemical Weathering and Element Immobility in the Ganges Tidal Delta Plain of Bangladesh. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009029.	2.5	4
32	The solubility of titanite in silicate melt determined from growth and dissolution experiments. <i>Contributions To Mineralogy and Petrology</i> , 2022, 177, .	3.1	4
33	Influences on tidal channel and aquaculture shrimp pond water chemical composition in Southwest Bangladesh. <i>Geochemical Transactions</i> , 2021, 22, 2.	0.7	3
34	CH <sub>4</sub> and CO <sub>2</sub> diffuse gas emissions before, during and after a Steamboat Geyser eruption. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 414, 107233.	2.1	2
35	SOLUBILITY OF SPHENE IN SILICEOUS MELTS. , 2018, , .		2
36	Evaluation of zircon U-Pb geochronology as a tool to determine soil provenance in a limestone terrane, Middle TN, USA. <i>Chemical Geology</i> , 2020, 536, 119465.	3.3	1

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37	My last drop. <i>Science</i> , 2020, 370, 374-374.	12.6	1
38	Element Transport and Partitioning Along Tidal Channels in Southwest Bangladesh. <i>Estuaries and Coasts</i> , 2022, 45, 1948-1966.	2.2	1
39	Effect of fluid composition on growth rate of monazite in quartzite at 1.0 GPa and 1000 Å°C. <i>American Mineralogist</i> , 2015, 100, 2579-2589.	1.9	0