

# Henry F Shaw

## List of Publications by Year in descending order

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26  
papers

3,406  
citations

394421

19  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mineral-aqueous fluid partitioning of trace elements at 900°C and 2.0 GPa: Constraints on the trace element chemistry of mantle and deep crustal fluids. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 3331-3350.	3.9	591
2	New clinopyroxene-liquid thermobarometers for mafic, evolved, and volatile-bearing lava compositions, with applications to lavas from Tibet and the Snake River Plain, Idaho. <i>American Mineralogist</i> , 2003, 88, 1542-1554.	1.9	463
3	Rutile-aqueous fluid partitioning of Nb, Ta, Hf, Zr, U and Th: implications for high field strength element depletions in island-arc basalts. <i>Earth and Planetary Science Letters</i> , 1994, 128, 327-339.	4.4	373
4	Sm-Nd in marine carbonates and phosphates: Implications for Nd isotopes in seawater and crustal ages. <i>Geochimica Et Cosmochimica Acta</i> , 1985, 49, 503-518.	3.9	296
5	Behaviour of boron, beryllium, and lithium during melting and crystallization: constraints from mineral-melt partitioning experiments. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 2129-2141.	3.9	225
6	The role of aqueous fluids in the slab-to-mantle transfer of boron, beryllium, and lithium during subduction: experiments and models. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 3337-3347.	3.9	220
7	Experimental evidence for the origin of lead enrichment in convergent-margin magmas. <i>Nature</i> , 1995, 378, 54-56.	27.8	173
8	Experimental determination of trace-element partitioning between pargasite and a synthetic hydrous andesitic melt. <i>Earth and Planetary Science Letters</i> , 1995, 135, 1-11.	4.4	168
9	Age and provenance of the target materials for tektites and possible impactites as inferred from Sm-Nd and Rb-Sr systematics. <i>Earth and Planetary Science Letters</i> , 1982, 60, 155-177.	4.4	146
10	Compositional controls on the partitioning of U, Th, Ba, Pb, Sr and Zr between clinopyroxene and haplobasaltic melts: implications for uranium series disequilibria in basalts. <i>Earth and Planetary Science Letters</i> , 1994, 128, 407-423.	4.4	142
11	Crystal chemical control of clinopyroxene-melt partitioning in the Di-Ab-An system: implications for elemental fractionations in the depleted mantle. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 2849-2862.	3.9	124
12	Ti(IV) hydrolysis constants derived from rutile solubility measurements made from 100 to 300°C. <i>Applied Geochemistry</i> , 2001, 16, 1115-1128.	3.0	121
13	U/Pb, Sm/Nd and Rb/Sr geochronological and isotopic study of northern Sierra Nevada ophiolitic assemblages, California. <i>Contributions To Mineralogy and Petrology</i> , 1989, 102, 205-220.	3.1	66
14	The influence of ionic strength on the interaction of viruses with charged surfaces under environmental conditions. <i>Journal of Colloid and Interface Science</i> , 2006, 294, 1-10.	9.4	53
15	Aqueous dissolution kinetics of pyrochlore, zirconolite and brannerite at 25, 50, and 75 °C. <i>Radiochimica Acta</i> , 2000, 88, 539-546.	1.2	43
16	Nd-Sr-Pb systematics and age of the Kings River ophiolite, California: implications for depleted mantle evolution. <i>Contributions To Mineralogy and Petrology</i> , 1987, 96, 281-290.	3.1	30
17	Investigation of Pyrochlore-Based U-Bearing Ceramic Nuclear Waste: Uranium Leaching Test and TEM Observation. <i>Environmental Science &amp; Technology</i> , 2004, 38, 1480-1486.	10.0	28
18	Geochemical Earth Reference Model (GERM): description of the initiative. <i>Chemical Geology</i> , 1998, 145, 153-159.	3.3	23

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19	<sup>238</sup> U and <sup>232</sup> Th series nuclides in groundwater from the J13 well at the Nevada Test Site: Implications for ion retardation. <i>Geophysical Research Letters</i> , 1992, 19, 1383-1386.	4.0	19
20	A Sustainable Nuclear Fuel Cycle Based on Laser Inertial Fusion Energy. <i>Fusion Science and Technology</i> , 2009, 56, 547-565.	1.1	15
21	Electronic data publication in geochemistry. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	2.5	11
22	Erratum to "Experimental determination of trace-element partitioning between pargasite and a synthetic hydrous andesitic melt" [Earth Planet. Sci. Lett. 135 (1995) 1-11]. <i>Earth and Planetary Science Letters</i> , 1996, 140, 287-288.	4.4	7
23	Use of the simplex algorithm for automated focusing of a mass spectrometer source. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1986, 68, 317-325.	1.8	3
24	Electronic data publication in geochemistry: A plea for "full disclosure". <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	2.5	2
25	U- and Hf-Bearing Pyrochlore and Zirconolite and their Leached Layers Formed in Acidic Solution: Tem Investigation. <i>Materials Research Society Symposia Proceedings</i> , 2002, 757, II6.2.1.	0.1	0
26	Radiological Aspects of Deep-Burn Fusion-Fission Hybrid Waste in a Repository. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1125, 1.	0.1	0