

George E Harlow

List of Publications by Year in descending order

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52
papers

2,109
citations

201674

27
h-index

223800

46
g-index

54
all docs

54
docs citations

54
times ranked

1486
citing authors

#	ARTICLE	IF	CITATIONS
1	The natural occurrence of hydroxide in olivine. <i>Physics and Chemistry of Minerals</i> , 1987, 14, 461-472.	0.8	218
2	Jade (Nephrite and Jadeitite) and Serpentinite: Metasomatic Connections. <i>International Geology Review</i> , 2005, 47, 113-146.	2.1	180
3	Jadeitites, albitites and related rocks from the Motagua Fault Zone, Guatemala. <i>Journal of Metamorphic Geology</i> , 1994, 12, 49-68.	3.4	139
4	Two high-pressure–low-temperature serpentinite-matrix mélange belts, Motagua fault zone, Guatemala: A record of Aptian and Maastrichtian collisions. <i>Geology</i> , 2004, 32, 17.	4.4	114
5	Petrogenetic relationships between jadeitite and associated high-pressure and low-temperature metamorphic rocks in worldwide jadeitite localities: a review. <i>European Journal of Mineralogy</i> , 2012, 24, 371-390.	1.3	93
6	Potassium in Clinopyroxene Inclusions from Diamonds. <i>Science</i> , 1991, 251, 652-655.	12.6	85
7	Jadeitites and Plate Tectonics. <i>Annual Review of Earth and Planetary Sciences</i> , 2015, 43, 105-138.	11.0	81
8	The origin of jadeitite-forming subduction-zone fluids: CL-guided SIMS oxygen-isotope and trace-element evidence. <i>American Mineralogist</i> , 2006, 91, 979-996.	1.9	80
9	Lithium isotopes in Guatemalan and Franciscan HP–LT rocks: Insights into the role of sediment-derived fluids during subduction. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3621-3641.	3.9	69
10	Metamorphic reworking of a high pressure–low temperature mélange along the Motagua fault, Guatemala: A record of Neocomian and Maastrichtian transpressional tectonics. <i>Earth and Planetary Science Letters</i> , 2009, 284, 228-235.	4.4	68
11	Crystal chemistry of barium enrichment in micas from metasomatized inclusions in serpentinite, Motagua Fault Zone, Guatemala. <i>European Journal of Mineralogy</i> , 1995, 7, 775-790.	1.3	62
12	Status report on stability of K-rich phases at mantle conditions. <i>Lithos</i> , 2004, 77, 647-653.	1.4	61
13	Multiple origins of zircons in jadeitite. <i>Contributions To Mineralogy and Petrology</i> , 2010, 159, 769-780.	3.1	60
14	Jadeitite formed during subduction: In situ zircon geochronology constraints from two different tectonic events within the Guatemala Suture Zone. <i>Earth and Planetary Science Letters</i> , 2013, 371-372, 67-81.	4.4	55
15	New evidence suggests pyroclastic flows are responsible for the remarkable preservation of the Jehol biota. <i>Nature Communications</i> , 2014, 5, 3151.	12.8	52
16	High-pressure crystal structure of kosmochlor, NaCrSi ₂ O ₆ , and systematics of anisotropic compression in pyroxenes. <i>American Mineralogist</i> , 2003, 88, 1025-1032.	1.9	43
17	Mineralogy of jadeitite and related rocks from Myanmar: a review with new data. <i>European Journal of Mineralogy</i> , 2012, 24, 345-370.	1.3	43
18	Boron isotopic discrimination for subduction-related serpentinites. <i>Geology</i> , 2016, 44, 899-902.	4.4	42

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19	PRE-COLUMBIAN JADEITE AXES FROM ANTIGUA, WEST INDIES: DESCRIPTION AND POSSIBLE SOURCES. Canadian Mineralogist, 2006, 44, 305-321.	1.0	41
20	Burmese Jade: The Inscrutable Gem. Gems & Gemology, 2000, 36, 2-25.	0.6	40
21	In situ lithium and boron isotope determinations in mica, pyroxene, and serpentine by LA-MC-ICP-MS. Chemical Geology, 2015, 412, 107-116.	3.3	37
22	Far infrared spectroscopy of carbonate minerals. American Mineralogist, 2010, 95, 1515-1522.	1.9	36
23	Hydrothermal origin and age of jadeitites from Sierra del Convento Máncanga (Eastern Cuba). European Journal of Mineralogy, 2012, 24, 313-331.	1.3	35
24	Seismic signatures of a hydrated mantle wedge from antigorite crystal-preferred orientation (CPO). Earth and Planetary Science Letters, 2013, 375, 395-407.	4.4	35
25	Pre-Columbian jadeite artifacts from the Golden Rock Site, St. Eustatius, Lesser Antilles, with special reference to jadeite artifacts from Elliot's, Antigua: implications for potential source regions and long-distance exchange networks in the Greater Caribbean. Journal of Archaeological Science, 2013, 40, 3153-3169.	2.4	34
26	A study of ruby (corundum) compositions from the Mogok Belt, Myanmar: Searching for chemical fingerprints. American Mineralogist, 2013, 98, 1120-1132.	1.9	31
27	Metamorphic history of riebeckite- and aegirine-augite-bearing high-pressure low-temperature blocks within the Siuna Serpentinite Máncanga, northeastern Nicaragua. International Geology Review, 2015, 57, 943-977.	2.1	31
28	Element residence and transport during subduction-zone metasomatism: evidence from a jadeite-serpentinite contact, Guatemala. International Geology Review, 2010, 52, 899-940.	2.1	27
29	Deep mantle serpentinization in subduction zones: Insight from in situ B isotopes in slab and mantle wedge serpentinites. Chemical Geology, 2020, 545, 119637.	3.3	27
30	Fluid-mediated mass transfer from a paleosubduction channel to its mantle wedge: Evidence from jadeite and related rocks from the Guatemala Suture Zone. Lithos, 2016, 258-259, 15-36.	1.4	23
31	Petrology of chromite in ureilites: Deconvolution of primary oxidation states and secondary reduction processes. Geochimica Et Cosmochimica Acta, 2014, 135, 126-169.	3.9	22
32	THE EARLIEST USE OF CORUNDUM AND DIAMOND, IN PREHISTORIC CHINA*. Archaeometry, 2005, 47, 1-12.	1.3	19
33	jade gouge from Emirau Island, Papua New Guinea (Early Lapita context, 3300 BP): a unique jadeite. European Journal of Mineralogy, 2012, 24, 391-399.	1.3	18
34	Jadeite (jadeite jade) from Japan: History, characteristics, and perspectives. Journal of Mineralogical and Petrological Sciences, 2017, 112, 184-196.	0.9	16
35	The crystal structure and cation ordering of Phase-X-(K _{1-x} Al _x) ₂ (Mg _{1-x} Al _x [Al,Cr] _x) ₂ Si ₂ O ₇ H _{2x} : A potential K- and H-bearing phase in the mantle. American Mineralogist, 2002, 87, 302-306.	1.9	11
36	Herderite from Mogok, Myanmar, and comparison with hydroxyl-herderite from Ehrenfriedersdorf, Germany. American Mineralogist, 2008, 93, 1545-1549.	1.9	11

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37	Trace-element geochemistry of transform-fault serpentinite in high-pressure subduction magmas (eastern Cuba): implications for subduction initiation. <i>International Geology Review</i> , 2017, 59, 2041-2064.	2.1	11
38	Compressibility of synthetic potassium-rich clinopyroxene: In-situ high-pressure single-crystal X-ray study. <i>American Mineralogist</i> , 2006, 91, 802-808.	1.9	9
39	Eckermannite revised: The new holotype from the Jade Mine Tract, Myanmar—crystal structure, mineral data, and hints on the reasons for the rarity of eckermannite. <i>American Mineralogist</i> , 2015, 100, 909-914.	1.9	9
40	Demystifying jadeite: an underwater Maya discovery at Ek Way Nal, Belize. <i>Antiquity</i> , 2019, 93, 502-518.	1.0	9
41	Katophorite from the Jade Mine Tract, Myanmar: mineral description of a rare (grandfathered) endmember of the amphibole supergroup. <i>Mineralogical Magazine</i> , 2015, 79, 355-363.	1.4	6
42	Zoltaiite, a new barium-vanadium nesosubsilicate mineral from British Columbia: Description and crystal structure. <i>American Mineralogist</i> , 2005, 90, 1655-1660.	1.9	5
43	Magnesio-arfvedsonite from Jade Mine Tract, Myanmar: mineral description and crystal chemistry. <i>Mineralogical Magazine</i> , 2015, 79, 253-260.	1.4	4
44	The high-pressure behavior of balliranoite: a cancrinite-group mineral. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, .	0.8	3
45	The high-pressure behavior of balliranoite: a cancrinite-group mineral. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, .	0.8	2
46	Diamond: The Super Mineral. <i>Rocks and Minerals</i> , 2014, 89, 35-41.	0.1	2
47	Reported sulfate mineral in lunar meteorite PCA 02007 is impact glass. <i>Meteoritics and Planetary Science</i> , 2017, 52, 191-194.	1.6	1
48	Pre-Columbian jadeite artifacts from San Salvador Island, Bahamas and comparison with jades of the eastern Caribbean and jadeites of the greater Caribbean region. <i>Journal of Archaeological Science: Reports</i> , 2019, 26, 101830.	0.5	1
49	Gem amphiboles from Mogok, Myanmar: crystal-structure refinement, infrared spectroscopy and short-range order disorder in gem pargasite and fluoro-pargasite. <i>Mineralogical Magazine</i> , 2019, 83, 361-371.	1.4	1
50	Short-Range Order-Disorder in Gem Richterite and Pargasite from Afghanistan: Crystal-Structure Refinement and Infrared Spectroscopy. <i>Canadian Mineralogist</i> , 2018, 56, 939-950.	1.0	1
51	Cuts at British Museum (NH). <i>Nature</i> , 1988, 333, 292-292.	27.8	0
52	Far infrared spectroscopy of mineral particles. , 2008, , .		0