

# Li-Hui Chen

## List of Publications by Year in descending order

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46  
papers

1,805  
citations

331259

21  
h-index

264894

42  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molybdenum isotopic constraints on the origin of EM1-type continental intraplate basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 317, 255-268.	1.6	13
2	An eclogitic component in the Pitcairn mantle plume: Evidence from olivine compositions and Fe isotopes of basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 318, 415-427.	1.6	15
3	Probing recycled carbonate in the lower mantle. <i>National Science Review</i> , 2022, 9, .	4.6	11
4	Melt-Lithosphere Interaction Controlled Compositional Variations in Mafic Dikes from Fujian Province, Southeastern China. <i>Journal of Earth Science (Wuhan, China)</i> , 2021, 32, 1445-1453.	1.1	4
5	Petrological evidence for magma recharge and mixing beneath the Ma'anshan monogenetic volcano of Xiaogulihe in Northeast China. <i>Lithos</i> , 2021, 382-383, 105928.	0.6	2
6	Oxidation of the deep big mantle wedge by recycled carbonates: Constraints from highly siderophile elements and osmium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 295, 207-223.	1.6	15
7	Magnesium isotopic fractionation during basalt differentiation as recorded by evolved magmas. <i>Earth and Planetary Science Letters</i> , 2021, 565, 116954.	1.8	28
8	Nephelinites in eastern China originating from the mantle transition zone. <i>Chemical Geology</i> , 2021, 576, 120276.	1.4	22
9	Post-spreading volcanism triggered by CO <sub>2</sub> along the South China Sea fossil spreading axis. <i>Lithos</i> , 2021, 404-405, 106478.	0.6	1
10	High-K calc-alkaline to shoshonitic intrusions in SE Tibet: implications for metasomatized lithospheric mantle beneath an active continental margin. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	1.2	5
11	Linking Chemical Heterogeneity to Lithological Heterogeneity of the Samoan Mantle Plume With Fe-Sr-Nd-Pb Isotopes. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	1.4	10
12	Architecture and evolution of the lithospheric roots beneath circum-cratonic orogenic belts—The Xing'an Mongolia Orogenic Belt and its relationship with adjacent North China and Siberian cratonic roots. <i>Lithos</i> , 2020, 376-377, 105798.	0.6	3
13	Evidence of metasomatism in the interior of Vesta. <i>Nature Communications</i> , 2020, 11, 1289.	5.8	15
14	Light Mg Isotopic Composition in the Mantle Beyond the Big Mantle Wedge Beneath eastern Asia. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 8043-8056.	1.4	19
15	Hot, volatile-poor, and oxidized magmatism above the stagnant Pacific plate in Eastern China in the Cenozoic. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4849-4868.	1.0	6
16	History of Yellow River and Yangtze River delivering sediment to the Yellow Sea since 3.5 Ma: Tectonic or climate forcing?. <i>Quaternary Science Reviews</i> , 2019, 216, 74-88.	1.4	56
17	Evidence for rutile-bearing eclogite in the mantle sources of the Cenozoic Zhejiang basalts, eastern China. <i>Lithos</i> , 2019, 324-325, 152-164.	0.6	14
18	Magma-magma interaction in the mantle recorded by megacrysts from Cenozoic basalts in eastern China. <i>International Geology Review</i> , 2019, 61, 675-691.	1.1	11

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19	Origin and implications of troilite-orthopyroxene intergrowths in the brecciated diogenite Northwest Africa 7183. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 125-145.	1.6	12
20	Compositional transition in natural alkaline lavas through silica-undersaturated melt-lithosphere interaction. <i>Geology</i> , 2018, 46, 771-774.	2.0	62
21	Recycled ancient ghost carbonate in the Pitcairn mantle plume. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8682-8687.	3.3	73
22	The role of melt-rock interaction in the formation of Quaternary high-MgO potassic basalt from the Greater Khingan Range, northeast China. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 262-280.	1.4	28
23	Evolution of carbonated melt to alkali basalt in the South China Sea. <i>Nature Geoscience</i> , 2017, 10, 229-235.	5.4	100
24	Tracing an Early Jurassic magmatic arc from South to East China Seas. <i>Tectonics</i> , 2017, 36, 466-492.	1.3	105
25	Magnesium isotopic variation of oceanic island basalts generated by partial melting and crustal recycling. <i>Earth and Planetary Science Letters</i> , 2017, 463, 127-135.	1.8	79
26	Mantle transition zone-derived EM1 component beneath NE China: Geochemical evidence from Cenozoic potassic basalts. <i>Earth and Planetary Science Letters</i> , 2017, 465, 16-28.	1.8	122
27	Magma-magma interaction in the mantle beneath eastern China. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 2763-2779.	1.4	27
28	Magmatic recharge buffers the isotopic compositions against crustal contamination in formation of continental flood basalts. <i>Lithos</i> , 2017, 284-285, 1-10.	0.6	9
29	Using chalcophile elements to constrain crustal contamination and xenolith-magma interaction in Cenozoic basalts of eastern China. <i>Lithos</i> , 2016, 258-259, 163-172.	0.6	8
30	Geodynamics of paleo-Pacific plate subduction constrained by the source lithologies of Late Mesozoic basalts in southeastern China. <i>Geophysical Research Letters</i> , 2016, 43, 10,189.	1.5	30
31	Lithospheric thickness controlled compositional variations in potassic basalts of Northeast China by melt-rock interactions. <i>Geophysical Research Letters</i> , 2016, 43, 2582-2589.	1.5	37
32	Growing magma chambers control the distribution of small-scale flood basalts. <i>Scientific Reports</i> , 2015, 5, 16824.	1.6	17
33	Magmatic recharge in continental flood basalts: Insights from the Hifeng igneous province in Inner Mongolia. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2082-2096.	1.0	36
34	Ar-Ar dating and Sr-Nd-Pb isotopic character of Paleogene basalts from the Xialiaohe Depression, northern Bohai Bay Basin: implications for transformation of the subcontinental lithospheric mantle under the eastern North China Craton. <i>Canadian Journal of Earth Sciences</i> , 2014, 51, 166-179.	0.6	4
35	Lithospheric and asthenospheric sources of lamprophyres in the Jiaodong Peninsula: A consequence of rapid lithospheric thinning beneath the North China Craton?. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 124, 250-271.	1.6	198
36	Mantle dynamics and generation of a geochemical mantle boundary along the East Pacific Rise - Pacific/Antarctic ridge. <i>Earth and Planetary Science Letters</i> , 2013, 383, 153-163.	1.8	16

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37	Genesis of Cenozoic low-Ca alkaline basalts in the Nanjing basaltic field, eastern China: The case for mantle xenolith-magma interaction. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1660-1677.	1.0	34
38	Limited latitudinal mantle plume motion for the Louisville hotspot. <i>Nature Geoscience</i> , 2012, 5, 911-917.	5.4	85
39	Crust recycling in the sources of two parallel volcanic chains in Shandong, North China. <i>Earth and Planetary Science Letters</i> , 2011, 302, 359-368.	1.8	106
40	Fluid/melt inclusions in Cenozoic mantle xenoliths from Linqi, Shandong Province, eastern China: Implications for asthenosphere-lithosphere interactions. <i>Science Bulletin</i> , 2010, 55, 1067-1076.	1.7	4
41	Carbonated mantle sources for Cenozoic intra-plate alkaline basalts in Shandong, North China. <i>Chemical Geology</i> , 2010, 273, 35-45.	1.4	180
42	Sources of Anfengshan basalts: Subducted lower crust in the Sulu UHP belt, China. <i>Earth and Planetary Science Letters</i> , 2009, 286, 426-435.	1.8	87
43	Mantle metasomatism by P- and F-rich melt/fluids: evidence from phosphate glass in spinel lherzolite xenolith in Keluo, Heilongjiang Province. <i>Science Bulletin</i> , 2007, 52, 1827-1835.	1.7	8
44	Subduction-related metasomatism in the thinning lithosphere: Evidence from a composite dunite-orthopyroxenite xenolith entrained in Mesozoic Laiwu high-Mg diorite, North China Craton. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, .	1.0	51
45	SHRIMP zircon U-Pb ages of Kalatongke No. 1 and Huangshandong Cu-Ni-bearing mafic-ultramafic complexes, North Xinjiang, and geological implications. <i>Science Bulletin</i> , 2004, 49, 2424.	1.7	16
46	Ultramafic xenoliths in mesozoic diorite in west shandong province. <i>Science in China Series D: Earth Sciences</i> , 2004, 47, 489-499.	0.9	16