

# Mary L Leech

## List of Publications by Year in descending order

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24  
papers

1,435  
citations

516215

16  
h-index

752256

20  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1261  
citing authors

#	ARTICLE	IF	CITATIONS
1	The onset of India–Asia continental collision: Early, steep subduction required by the timing of UHP metamorphism in the western Himalaya. <i>Earth and Planetary Science Letters</i> , 2005, 234, 83-97.	1.8	506
2	Arrested orogenic development: eclogitization, delamination, and tectonic collapse. <i>Earth and Planetary Science Letters</i> , 2001, 185, 149-159.	1.8	179
3	Mantle fluids in the Karakoram fault: Helium isotope evidence. <i>Earth and Planetary Science Letters</i> , 2013, 366, 59-70.	1.8	125
4	Does the Karakoram fault interrupt mid-crustal channel flow in the western Himalaya?. <i>Earth and Planetary Science Letters</i> , 2008, 276, 314-322.	1.8	76
5	Petrotectonic Evolution of the Maksyutov Complex, Southern Urals, Russia: Implications for Ultrahigh-Pressure Metamorphism. <i>International Geology Review</i> , 1995, 37, 584-600.	1.1	65
6	Graphite pseudomorphs after diamond? A carbon isotope and spectroscopic study of graphite cuboids from the Maksyutov Complex, south Ural Mountains, Russia. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 2143-2154.	1.6	63
7	Petrology and retrograde P-T path for eclogites of the Maksyutov Complex, Southern Ural Mountains, Russia. <i>Island Arc</i> , 1995, 4, 254-266.	0.5	50
8	The late exhumation history of the ultrahigh-pressure Maksyutov Complex, south Ural Mountains, from new apatite fission track data. <i>Tectonics</i> , 2000, 19, 153-167.	1.3	48
9	Continuous Metamorphic Zircon Growth and Interpretation of U-Pb SHRIMP Dating: An Example from the Western Himalaya. <i>International Geology Review</i> , 2007, 49, 313-328.	1.1	48
10	Low-temperature microdiamond aggregates in the Maksyutov Metamorphic Complex, South Ural Mountains, Russia. <i>American Mineralogist</i> , 2003, 88, 1709-1717.	0.9	47
11	Is the HP–UHP Hong'an–Dabie–Sulu orogen a piercing point for offset on the Tan–Lu fault?. <i>Journal of Asian Earth Sciences</i> , 2013, 63, 112-129.	1.0	38
12	Fold patterns indicating Triassic constrictional deformation on the Liaodong peninsula, eastern China, and tectonic implications. <i>Journal of Asian Earth Sciences</i> , 2011, 40, 72-83.	1.0	33
13	Petrotectonic evolution of the high- to ultrahigh-pressure Maksyutov Complex, Karayanova area, south Ural Mountains: structural and oxygen isotope constraints. <i>Lithos</i> , 2000, 52, 235-252.	0.6	32
14	Age and origin of granites in the Karakoram shear zone and Greater Himalaya Sequence, NW India. <i>Lithosphere</i> , 2013, 5, 300-320.	0.6	28
15	H <sub>2</sub> O Recycling During Continental Collision: Phase-Equilibrium and Kinetic Considerations. <i>Petrology and Structural Geology</i> , 1998, , 275-295.	0.5	21
16	Diachronous histories for the Dabie-Sulu orogen from high-temperature geochronology. , 2006, , .		19
17	Thermal modeling of the UHP Maksyutov Complex in the south Urals. <i>Earth and Planetary Science Letters</i> , 2004, 226, 85-99.	1.8	17
18	<sup>40</sup> Ar/ <sup>39</sup> Ar thermochronology of the Sulu terrane: Late Triassic exhumation of high- and ultrahigh-pressure rocks and implications for Mesozoic tectonics in East Asia. , 2006, , .		15

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19	Mass balance during retrogression of eclogite-facies minerals in the Rongcheng eclogite, eastern Sulu ultrahigh-pressure terrane, China. <i>American Mineralogist</i> , 2004, 89, 1525-1532.	0.9	8
20	Why are diamonds preserved in UHP metamorphic complexes? Experimental evidence for the effect of pressure on diamond graphitization. <i>International Geology Review</i> , 2019, 61, 504-519.	1.1	7
21	The Maksyutov Complex: The first UHP terrane 40 years later. , 2007, , .		5
22	Reply to comment by P.J. O'Brien on: "The onset of India-Asia continental collision: Early, steep subduction required by the timing of UHP metamorphism in the western Himalaya" by Mary L. Leech, S. Singh, A.K. Jain, Simon L. Klemperer and R.M. Manickavasagam, <i>Earth Planetary Science Letters</i> 234 (2005) 83-97. <i>Earth and Planetary Science Letters</i> , 2006, 245, 817-820.	1.8	3
23	Reply to comment by M.P. Searle and R.J. Phillips (2009) and R.R. Parrish (2009) on: "Does the Karakoram fault interrupt mid-crustal channel flow in the western Himalaya?" by Mary L. Leech, <i>Earth and Planetary Science Letters</i> 276 (2008) 314-322. <i>Earth and Planetary Science Letters</i> , 2009, 286, 592-595.	1.8	2
24	Petrotectonic origin of mafic eclogites from the Maksyutov subduction complex, south Ural Mountains, Russia. , 2021, , 177-195.		0