

# Mary L Leech

## List of Publications by Citations

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23  
papers

1,211  
citations

15  
h-index

24  
g-index

24  
ext. papers

1,304  
ext. citations

3.7  
avg, IF

4.36  
L-index

#	Paper	IF	Citations
23	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> , <b>2005</b> , 234, 83-97	5.3	441
22	Arrested orogenic development: eclogitization, delamination, and tectonic collapse. <i>Earth and Planetary Science Letters</i> , <b>2001</b> , 185, 149-159	5.3	152
21	Mantle fluids in the Karakoram fault: Helium isotope evidence. <i>Earth and Planetary Science Letters</i> , <b>2013</b> , 366, 59-70	5.3	93
20	Does the Karakoram fault interrupt mid-crustal channel flow in the western Himalaya?. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 276, 314-322	5.3	65
19	Petrotectonic Evolution of the Maksyutov Complex, Southern Urals, Russia: Implications for Ultrahigh-Pressure Metamorphism. <i>International Geology Review</i> , <b>1995</b> , 37, 584-600	2.3	59
18	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> , <b>1998</b> , 62, 2143-2154	5.5	55
17	Low-temperature microdiamond aggregates in the Maksyutov Metamorphic Complex, South Ural Mountains, Russia. <i>American Mineralogist</i> , <b>2003</b> , 88, 1709-1717	2.9	43
16	Petrology and retrograde P-T path for eclogites of the Maksyutov Complex, Southern Ural Mountains, Russia. <i>Island Arc</i> , <b>1995</b> , 4, 254-266	2	42
15	The late exhumation history of the ultrahigh-pressure Maksyutov Complex, south Ural Mountains, from new apatite fission track data. <i>Tectonics</i> , <b>2000</b> , 19, 153-167	4.3	40
14	Continuous Metamorphic Zircon Growth and Interpretation of U-Pb SHRIMP Dating: An Example from the Western Himalaya. <i>International Geology Review</i> , <b>2007</b> , 49, 313-328	2.3	38
13	Is the HP-UHP Hong'an-Dabie-Sulu orogen a piercing point for offset on the Tan-Tu fault?. <i>Journal of Asian Earth Sciences</i> , <b>2013</b> , 63, 112-129	2.8	30
12	Fold patterns indicating Triassic constrictional deformation on the Liaodong peninsula, eastern China, and tectonic implications. <i>Journal of Asian Earth Sciences</i> , <b>2011</b> , 40, 72-83	2.8	27
11	Petrotectonic evolution of the high- to ultrahigh-pressure Maksyutov Complex, Karayanova area, south Ural Mountains: structural and oxygen isotope constraints. <i>Lithos</i> , <b>2000</b> , 52, 235-252	2.9	26
10	Age and origin of granites in the Karakoram shear zone and Greater Himalaya Sequence, NW India. <i>Lithosphere</i> , <b>2013</b> , 5, 300-320	2.7	21
9	H <sub>2</sub> O Recycling During Continental Collision: Phase-Equilibrium and Kinetic Considerations. <i>Petrology and Structural Geology</i> , <b>1998</b> , 275-295		18
8	Thermal modeling of the UHP Maksyutov Complex in the south Urals. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 226, 85-99	5.3	15
7	Diachronous histories for the Dabie-Sulu orogen from high-temperature geochronology <b>2006</b> ,		14

6	40Ar/39Ar thermochronology of the Sulu terrane: Late Triassic exhumation of high- and ultrahigh-pressure rocks and implications for Mesozoic tectonics in East Asia <b>2006</b> ,		11
5	Mass balance during retrogression of eclogite-facies minerals in the Rongcheng eclogite, eastern Sulu ultrahigh-pressure terrane, China. <i>American Mineralogist</i> , <b>2004</b> , 89, 1525-1532	2.9	8
4	Why are diamonds preserved in UHP metamorphic complexes? Experimental evidence for the effect of pressure on diamond graphitization. <i>International Geology Review</i> , <b>2019</b> , 61, 504-519	2.3	6
3	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> 276 (2008) 314-322. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 286, 592-595	5.3	3
2	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> , <b>2009</b> , 286, 592-595	5.3	2
1	The Maksyutov Complex: The first UHP terrane 40 years later <b>2007</b> ,		2