

# Timothy Harrison

## List of Publications by Citations

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21  
papers

5,748  
citations

17  
h-index

21  
g-index

21  
ext. papers

6,500  
ext. citations

6.9  
avg, IF

5.87  
L-index

#	Paper	IF	Citations
21	Geologic Evolution of the Himalayan-Tibetan Orogen. <i>Annual Review of Earth and Planetary Sciences</i> , <b>2000</b> , 28, 211-280	15.3	3643
20	Mesozoic and Cenozoic tectonic evolution of the Shiquanhe area of western Tibet. <i>Tectonics</i> , <b>2003</b> , 22, n/a-n/a	4.3	323
19	Tectonic evolution of the early Mesozoic blueschist-bearing Qiangtang metamorphic belt, central Tibet. <i>Tectonics</i> , <b>2003</b> , 22, n/a-n/a	4.3	279
18	The Hadean Crust: Evidence from >4 Ga Zircons. <i>Annual Review of Earth and Planetary Sciences</i> , <b>2009</b> , 37, 479-505	15.3	262
17	Direct dating of left-lateral deformation along the Red River shear zone, China and Vietnam. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		232
16	Reconstruction of the Altyn Tagh fault based on U-Pb geochronology: Role of back thrusts, mantle sutures, and heterogeneous crustal strength in forming the Tibetan Plateau. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		218
15	Nyainqentanglha Shan: A window into the tectonic, thermal, and geochemical evolution of the Lhasa block, southern Tibet. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		132
14	Thermal evolution and slip history of the Renbu Zedong Thrust, southeastern Tibet. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 2659-2679		130
13	Constraints on Hadean zircon protoliths from oxygen isotopes, Ti-thermometry, and rare earth elements. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2007</b> , 8, n/a-n/a	3.6	125
12	Early Archean crustal evolution of the Jack Hills Zircon source terrane inferred from Lu/Hf, 207Pb/206Pb, and 18O systematics of Jack Hills zircons. <i>Geochimica Et Cosmochimica Acta</i> , <b>2011</b> , 75, 4816-4829	5.5	68
11	Th-Pb ion-microprobe dating of allanite. <i>American Mineralogist</i> , <b>2000</b> , 85, 633-648	2.9	65
10	Hadean Zircon Petrochronology. <i>Reviews in Mineralogy and Geochemistry</i> , <b>2017</b> , 83, 329-363	7.1	45
9	Distinguishing primary and secondary inclusion assemblages in Jack Hills zircons. <i>Lithos</i> , <b>2015</b> , 234-235, 15-26	2.9	41
8	Li zoning in zircon as a potential geospeedometer and peak temperature indicator. <i>Contributions To Mineralogy and Petrology</i> , <b>2016</b> , 171, 1	3.5	41
7	Pervasive remagnetization of detrital zircon host rocks in the Jack Hills, Western Australia and implications for records of the early geodynamo. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 430, 115-128 <sup>5.3</sup>		39
6	The Hyperion-II radio-frequency oxygen ion source on the UCLA ims1290 ion microprobe: Beam characterization and applications in geochemistry and cosmochemistry. <i>International Journal of Mass Spectrometry</i> , <b>2018</b> , 424, 1-9	1.9	26
5	Secondary magnetic inclusions in detrital zircons from the Jack Hills, Western Australia, and implications for the origin of the geodynamo. <i>Geology</i> , <b>2018</b> , 46, 427-430	5	22

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|---|--|------|----|
| 4 | Secondary magnetite in ancient zircon precludes analysis of a Hadean geodynamo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 407-412  | 11.5 | 17 |
| 3 | Constraining crustal silica on ancient Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 21101-21107  | 11.5 | 16 |
| 2 | Reevaluating the evidence for a Hadean-Eoarchean dynamo. <i>Science Advances</i> , <b>2020</b> , 6, eaav9634   | 14.3 | 12 |
| 1 | Reply to Comment on Pervasive remagnetization of detrital zircon host rocks in the Jack Hills, Western Australia and implications for records of the early dynamo. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 450, 409-412 | 5.3  | 12 |