

# Douglas Smith

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6397310/publications.pdf>

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13  
papers

560  
citations

840776

11  
h-index

1281871

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

356  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Petrology of the Green Knobs diatreme and implications for the upper mantle below the Colorado Plateau. <i>Earth and Planetary Science Letters</i> , 1976, 29, 107-125.  | 4.4 | 78        |
| 2  | Trace-element zonation in garnets from The Thumb: heating and melt infiltration below the Colorado Plateau. <i>Contributions To Mineralogy and Petrology</i> , 1991, 107, 60-79.   | 3.1 | 66        |
| 3  | Garnetite Xenoliths and Mantle-Water Interactions Below the Colorado Plateau, Southwestern United States. <i>Journal of Petrology</i> , 2005, 46, 1901-1924.   | 2.8 | 59        |
| 4  | Chemical constraints on lithosphere composition and evolution beneath the Colorado Plateau. <i>Journal of Geophysical Research</i> , 1990, 95, 2811-2831.  | 3.3 | 58        |
| 5  | Garnet peridotite from Colorado Plateau ultramafic diatremes: Hydrates, carbonates, and comparative geothermometry. <i>Contributions To Mineralogy and Petrology</i> , 1981, 76, 312-320.  | 3.1 | 49        |
| 6  | Chlorite-rich ultramafic reaction zones in Colorado Plateau xenoliths: recorders of sub-Moho hydration. <i>Contributions To Mineralogy and Petrology</i> , 1995, 121, 185-200.   | 3.1 | 47        |
| 7  | Evolution of Navajo eclogites and hydration of the mantle wedge below the Colorado Plateau, southwestern United States. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.  | 2.5 | 45        |
| 8  | Antigorite Peridotite, Metaserpentinite, and other Inclusions within Diatremes on the Colorado Plateau, SW USA: Implications for the Mantle Wedge during Low-angle Subduction. <i>Journal of Petrology</i> , 2010, 51, 1355-1379.            | 2.8 | 44        |
| 9  | Hydrous minerals and carbonates in peridotite inclusions from the green knobs and bull park kimberlitic diatremes on the Colorado Plateau. , 1979, , 345-356.  |     | 37        |
| 10 | Deformation in the mantle wedge associated with Laramide flat-slab subduction. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2643-2660.  | 2.5 | 30        |
| 11 | Mineral chemistry and zoning in eclogite inclusions from Colorado Plateau diatremes. <i>Contributions To Mineralogy and Petrology</i> , 1979, 69, 119-131.   | 3.1 | 27        |
| 12 | Olivine thermometry and source constraints for mantle fragments in the Navajo Volcanic Field, Colorado Plateau, southwest United States: Implications for the mantle wedge. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 693-711. | 2.5 | 19        |
| 13 | Trace elements in Cr-pyrope from the Navajo volcanic field of the Colorado Plateau, SW USA, and implications for the mantle wedge during low-angle subduction. <i>Lithos</i> , 2020, 362-363, 105460.  | 1.4 | 1         |