

# Brigitte M Zanda

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,418  
citations

430874

18  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1742  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                               | IF   | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Niobium-Zirconium Chronometry and Early Solar System Development. <i>Science</i> , 2002, 295, 1705-1708.                                                                                                                              | 12.6 | 165       |
| 2  | The Paris meteorite, the least altered CM chondrite so far. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 124, 190-222.                                                                                                              | 3.9  | 163       |
| 3  | Origin and Metamorphic Redistribution of Silicon, Chromium, and Phosphorus in the Metal of Chondrites. <i>Science</i> , 1994, 265, 1846-1849.                                                                                         | 12.6 | 133       |
| 4  | Relative chronology of crust formation on asteroid Vesta: Insights from the geochemistry of diogenites. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6218-6231.                                                                 | 3.9  | 89        |
| 5  | Nature of volatile depletion and genetic relationships in enstatite chondrites and aubrites inferred from Zn isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 297-307.                                                    | 3.9  | 85        |
| 6  | Carbon and the formation of reduced chondrules. <i>Nature</i> , 1994, 371, 136-139.                                                                                                                                                   | 27.8 | 84        |
| 7  | The amino acid and hydrocarbon contents of the Paris meteorite: Insights into the most primitive <sc>CM</sc> chondrite. <i>Meteoritics and Planetary Science</i> , 2015, 50, 926-943.                                                 | 1.6  | 73        |
| 8  | Oxygen isotopic compositions of chondrules: Implications for evolution of oxygen isotopic reservoirs in the inner solar nebula. <i>Chemie Der Erde</i> , 2006, 66, 249-276.                                                           | 2.0  | 70        |
| 9  | Raman spectroscopic properties and Raman identification of CaSâ€MgSâ€MnSâ€FeSâ€Cr<sub>2</sub>FeS<sub>4</sub> sulfides in meteorites and reduced sulfurâ€rich systems. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1415-1426. | 1.6  | 68        |
| 10 | Mnâ€Cr systematics in primitive meteorites: Insights from mineral separation and partial dissolution. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 156, 1-24.                                                                       | 3.9  | 66        |
| 11 | The Solar System primordial lead. <i>Earth and Planetary Science Letters</i> , 2010, 300, 152-163.                                                                                                                                    | 4.4  | 65        |
| 12 | How Mercury can be the most reduced terrestrial planet and still store iron in its mantle. <i>Earth and Planetary Science Letters</i> , 2014, 394, 186-197.                                                                           | 4.4  | 54        |
| 13 | Radiative heating of carbonaceous near-Earth objects as a cause of thermal metamorphism for CK chondrites. <i>Icarus</i> , 2012, 220, 65-73.                                                                                          | 2.5  | 52        |
| 14 | Regolith breccia Northwest Africa 7533: Mineralogy and petrology with implications for early Mars. <i>Meteoritics and Planetary Science</i> , 2017, 52, 89-124.                                                                       | 1.6  | 43        |
| 15 | Evaporation and recondensation of sodium in Semarkona Type II chondrules. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 78, 1-17.                                                                                                    | 3.9  | 41        |
| 16 | Chondrules: Precursors and interactions with the nebular gas. <i>Meteoritics and Planetary Science</i> , 2012, 47, 1120-1138.                                                                                                         | 1.6  | 38        |
| 17 | Nickeliferous pyrite tracks pervasive hydrothermal alteration in Martian regolith breccia: A study in <sc>NWA</sc> 7533. <i>Meteoritics and Planetary Science</i> , 2015, 50, 2099-2120.                                              | 1.6  | 32        |
| 18 | Opaque minerals, magnetic properties, and paleomagnetism of the Tissint Martian meteorite. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1919-1936.                                                                            | 1.6  | 29        |

| #  | ARTICLE                                                                                                                                                                                              | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Homogeneous distribution of Fe isotopes in the early solar nebula. <i>Meteoritics and Planetary Science</i> , 2013, 48, 354-364.                                                                     | 1.6  | 18        |
| 20 | Exsolution and shock microstructures of igneous pyroxene clasts in the Northwest Africa 7533 Martian meteorite. <i>Meteoritics and Planetary Science</i> , 2016, 51, 932-945.                        | 1.6  | 13        |
| 21 | Propagation of high-energy particles inside solid matter: cosmic-ray-induced spallation in iron meteorites. <i>Earth and Planetary Science Letters</i> , 1989, 94, 171-188.                          | 4.4  | 10        |
| 22 | Carbonaceous chondrite meteorites experienced fluid flow within the past million years. <i>Science</i> , 2021, 371, 164-167.                                                                         | 12.6 | 10        |
| 23 | The sulfur budget and sulfur isotopic composition of Martian regolith breccia NWA 7533. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2097-2116.                                              | 1.6  | 8         |
| 24 | Cooling rates of type I chondrules from Renazzo: Implications for chondrule formation. <i>Meteoritics and Planetary Science</i> , 2018, 53, 984-1005.                                                | 1.6  | 5         |
| 25 | Meteorites: samples of NEOs in the laboratory. <i>Comptes Rendus Physique</i> , 2005, 6, 345-360.                                                                                                    | 0.9  | 2         |
| 26 | A TEM study of exsolution in Ca-rich pyroxenes from the Paris and Renazzo chondrites: Determination of type I chondrule cooling rates. <i>Meteoritics and Planetary Science</i> , 2018, 53, 482-492. | 1.6  | 2         |
| 27 | Paul Pellas (1924-1997). <i>Meteoritics and Planetary Science</i> , 1997, 32, 983-984.                                                                                                               | 1.6  | 0         |