# Jemma Davidson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4179304/publications.pdf

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| 26 | 856 | 430874 | 580821 |
|---|---|---|---|
| papers | citations | 18 h-index | 25 g-index |

| 28 | 28 | 28 | 667 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The formation and alteration of the Renazzo-like carbonaceous chondrites II: Linking O-isotope composition and oxidation state of chondrule olivine. Geochimica Et Cosmochimica Acta, 2013, 101, 302-327. | 3.9 | 90 |
| 2 | Abundances of presolar silicon carbide grains in primitive meteorites determined by NanoSIMS. Geochimica Et Cosmochimica Acta, 2014, 139, 248-266. | 3.9 | 80 |
| 3 | A cometary building block in a primitive asteroidal meteorite. Nature Astronomy, 2019, 3, 659-666. | 10.1 | 73 |
| 4 | The formation and alteration of the Renazzoâ€like carbonaceous chondrites <scp>III</scp>: Toward understanding the genesis of ferromagnesian chondrules. Meteoritics and Planetary Science, 2015, 50, 15-50. | 1.6 | 64 |
| 5 | A waterâ€“ice rich minor body from the early Solar System: The CR chondrite parent asteroid. Earth and Planetary Science Letters, 2014, 407, 48-60. | 4.4 | 50 |
| 6 | High abundances of presolar grains and 15N-rich organic matter in CO3.0 chondrite Dominion Range 08006. Geochimica Et Cosmochimica Acta, 2018, 226, 107-131. | 3.9 | 42 |
| 7 | Mineralogy and petrology of Dominion Range 08006: A very primitive CO3 carbonaceous chondrite. Geochimica Et Cosmochimica Acta, 2019, 265, 259-278. | 3.9 | 42 |
| 8 | Widespread evidence for high-temperature formation of pentlandite in chondrites. Geochimica Et Cosmochimica Acta, 2016, 189, 359-376. | 3.9 | 41 |
| 9 | Measuring the level of interstellar inheritance in the solar protoplanetary disk. Meteoritics and Planetary Science, 2017, 52, 1797-1821. | 1.6 | 39 |
| 10 | CM and CO chondrites: A common parent body or asteroidal neighbors? Insights from chondrule silicates. Geochimica Et Cosmochimica Acta, 2017, 214, 157-171. | 3.9 | 38 |
| 11 | A NanoSIMS and Raman spectroscopic comparison of interplanetary dust particles from comet Griggâ€Skjellerup and nonâ€Grigg Skjellerup collections. Meteoritics and Planetary Science, 2012, 47, 1748-1771. | 1.6 | 36 |
| 12 | Amino acid analyses of R and CK chondrites. Meteoritics and Planetary Science, 2015, 50, 470-482. | 1.6 | 36 |
| 13 | Chromium isotopic insights into the origin of chondrite parent bodies and the early terrestrial volatile depletion. Geochimica Et Cosmochimica Acta, 2021, 301, 158-186. | 3.9 | 33 |
| 14 | The retention of dust in protoplanetary disks: Evidence from agglomeratic olivine chondrules from the outer Solar System. Geochimica Et Cosmochimica Acta, 2018, 223, 405-421. | 3.9 | 32 |
| 15 | The Fe/S ratio of pyrrhotite group sulfides in chondrites: An indicator of oxidation and implications for return samples from asteroids Ryugu and Bennu. Geochimica Et Cosmochimica Acta, 2021, 303, 66-91. | 3.9 | 24 |
| 16 | The relationship between CM and CO chondrites: Insights from combined analyses of titanium, chromium, and oxygen isotopes in CM, CO, and ungrouped chondrites. Geochimica Et Cosmochimica Acta, 2021, 301, 70-90. | 3.9 | 23 |
| 17 | Outward migration of chondrule fragments in the early Solar System: O-isotopic evidence for rocky material crossing the Jupiter Gap?. Geochimica Et Cosmochimica Acta, 2020, 282, 133-155. | 3.9 | 23 |
| 18 | Petrography, stable isotope compositions, microRaman spectroscopy, and presolar components of Roberts Massif 04133: A reduced <scp>CV</scp>3 carbonaceous chondrite. Meteoritics and Planetary Science, 2014, 49, 2133-2151. | 1.6 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Oxygen isotope and chemical compositions of magnetite and olivine in the anomalous CK3 Watson 002 and ungrouped Asukaâ€881595 carbonaceous chondrites: Effects of parent body metamorphism. Meteoritics and Planetary Science, 2014, 49, 1456-1474. | 1.6 | 19 |
| 20 | Re-examining thermal metamorphism of the Renazzo-like (CR) carbonaceous chondrites: Insights from pristine Miller Range 090657 and shock-heated Graves Nunataks 06100. Geochimica Et Cosmochimica Acta, 2019, 267, 240-256. | 3.9 | 16 |
| 21 | The background temperature of the protoplanetary disk within the first four million years of the Solar System. Earth and Planetary Science Letters, 2018, 504, 30-37. | 4.4 | 13 |
| 22 | Water on Mars: Insights from apatite in regolith breccia Northwest Africa 7034. Earth and Planetary Science Letters, 2020, 552, 116597. | 4.4 | 9 |
| 23 | Grove Mountains (GRV) 020043: Insights into acapulcoite-lodranite genesis from the most primitive member. Chemie Der Erde, 2019, 79, 125536. | 2.0 | 5 |
| 24 | A reclassification of Northwest Africa 2900 from CV3 to CK3 chondrite. Meteoritics and Planetary Science, 2020, 55, 2539-2550. | 1.6 | 4 |
| 25 | Reply to: GEMS and the devil in their details. Nature Astronomy, 2019, 3, 606-606. | 10.1 | 2 |
| 26 | Determination of the Effects of Hydrothermal Alteration on Silicate Stardust with Secondary Ion Mass Spectrometry and Transmission Electron Microscopy. Microscopy and Microanalysis, 2014, 20, 1698-1699. | 0.4 | 0 |