# Peter Hoppe

## List of Publications by Year in descending order

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| 178 | 10,093 | 36203 | 39575 |
|---|---|---|---|
| papers | citations | 51 h-index | 94 g-index |

| 191 | 191 | 191 | 6356 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Comet 81P/Wild 2 Under a Microscope. Science, 2006, 314, 1711-1716. | 6.0 | 848 |
| 2 | A single-cell view on the ecophysiology of anaerobic phototrophic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17861-17866. | 3.3 | 388 |
| 3 | Isotopic Compositions of Cometary Matter Returned by Stardust. Science, 2006, 314, 1724-1728. | 6.0 | 343 |
| 4 | Garnet-field Melting and Late-stage Refertilization in 'Residual' Abyssal Peridotites from the Central Indian Ridge. Journal of Petrology, 2002, 43, 2305-2338. | 1.1 | 321 |
| 5 | Interstellar Chemistry Recorded in Organic Matter from Primitive Meteorites. Science, 2006, 312, 727-730. | 6.0 | 315 |
| 6 | The Preparation and Preliminary Characterisation of Eight Geological MPI-DING Reference Glasses for In-Situ Microanalysis. Geostandards and Geoanalytical Research, 2000, 24, 87-133. | 1.7 | 286 |
| 7 | Impact Features on Stardust: Implications for Comet 81P/Wild 2 Dust. Science, 2006, 314, 1716-1719. | 6.0 | 286 |
| 8 | Enhanced Role of Transition Metal Ion Catalysis During In-Cloud Oxidation of SO <sub>2</sub>. Science, 2013, 340, 727-730. | 6.0 | 286 |
| 9 | <scp>N</scp>ano<scp>SIMS</scp>: Technical Aspects and Applications in Cosmochemistry and Biological Geochemistry. Geostandards and Geoanalytical Research, 2013, 37, 111-154. | 1.7 | 216 |
| 10 | Carbon, nitrogen, magnesium, silicon, and titanium isotopic compositions of single interstellar silicon carbide grains from the Murchison carbonaceous chondrite. Astrophysical Journal, 1994, 430, 870. | 1.6 | 214 |
| 11 | Elemental Compositions of Comet 81P/Wild 2 Samples Collected by Stardust. Science, 2006, 314, 1731-1735. | 6.0 | 200 |
| 12 | Ultra-primitive interplanetary dust particles from the comet 26P/Griggâ€“Skjellerup dust stream collection. Earth and Planetary Science Letters, 2009, 288, 44-57. | 1.8 | 187 |
| 13 | Dust in the Local Interstellar Wind. Astrophysical Journal, 1999, 525, 492-516. | 1.6 | 177 |
| 14 | Interstellar SiC with unusual isotopic compositions - Grains from a supernova?. Astrophysical Journal, 1992, 394, L43. | 1.6 | 167 |
| 15 | Aluminumâ€, Calciumâ€•and Titaniumâ€•rich Oxide Stardust in Ordinary Chondrite Meteorites. Astrophysical Journal, 2008, 682, 1450-1478. | 1.6 | 163 |
| 16 | Silicon Nitride from Supernovae. Astrophysical Journal, 1995, 453, . | 1.6 | 152 |
| 17 | Evidence for interstellar origin of seven dust particles collected by the Stardust spacecraft. Science, 2014, 345, 786-791. | 6.0 | 152 |
| 18 | 60Fe: A Heat Source for Planetary Differentiation from a Nearby Supernova Explosion. Astrophysical Journal, 2005, 625, 271-277. | 1.6 | 129 |

| # | Article | IF | Citations |
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| 19 | Traceâ€element concentrations in single circumstellar silicon carbide grains from the Murchison meteorite. Meteoritics, 1995, 30, 679-693. | 1.5 | 128 |
| 20 | Presolar Grains. , 2014, , 181-213. | | 121 |
| 21 | Isotopic compositions of C, N, O, Mg, and Si, trace element abundances, and morphologies of single circumstellar graphite grains in four density fractions from the Murchison meteorite. Geochimica Et Cosmochimica Acta, 1995, 59, 4029-4056. | 1.6 | 117 |
| 22 | Discovery of Abundant In Situ Silicate and Spinel Grains from Red Giant Stars in a Primtive Meteorite. Astrophysical Journal, 2004, 613, L149-L152. | 1.6 | 116 |
| 23 | Isotopic properties of silicon carbide X grains from the Murchison meteorite in the size range 0.5â€1.5 Î¼m. Meteoritics and Planetary Science, 2000, 35, 1157-1176. | 0.7 | 108 |
| 24 | Meteoritic Silicon Carbide Grains with Unusual S[CLC]i[/CLC]-Isotopic Compositions: Evidence for an Origin in Low-Mass, Low-Metallicity Asymptotic Giant Branch Stars. Astrophysical Journal, 1997, 487, L101-L104. | 1.6 | 106 |
| 25 | Are Presolar Silicon Carbide Grains from Novae Actually from Supernovae?. Astrophysical Journal, 2005, 631, L89-L92. | 1.6 | 100 |
| 26 | Type II Supernova Matter in a Silicon Carbide Grain from the Murchison Meteorite. Science, 1996, 272, 1314-1316. | 6.0 | 97 |
| 27 | Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites. Science, 2023, 379, . | 6.0 | 97 |
| 28 | Trace element distribution between orthopyroxene and clinopyroxene in peridotites from the Gakkel Ridge: a SIMS and NanoSIMS study. Contributions To Mineralogy and Petrology, 2005, 150, 486-504. | 1.2 | 95 |
| 29 | The isotopic compositions and stellar sources of meteoritic graphite grains. Nature, 1993, 365, 806-809. | 13.7 | 94 |
| 30 | Presolar dust grains from meteorites and their stellar sources. Journal of Geophysical Research, 2000, 105, 10371-10385. | 3.3 | 94 |
| 31 | Small SiC grains and a nitride grain of circumstellar origin from the Murchison meteorite: Implications for stellar evolution and nucleosynthesis. Geochimica Et Cosmochimica Acta, 1996, 60, 883-907. | 1.6 | 92 |
| 32 | Oxygen, magnesium and chromium isotopic ratios of presolar spinel grains. Geochimica Et Cosmochimica Acta, 2005, 69, 4149-4165. | 1.6 | 91 |
| 33 | NanoSIMS isotopic analysis of small presolar grains: Search for Si3N4 grains from AGB stars and Al and Ti isotopic compositions of rare presolar SiC grains. Geochimica Et Cosmochimica Acta, 2007, 71, 4786-4813. | 1.6 | 91 |
| 34 | STARDUST FROM ASYMPTOTIC GIANT BRANCH STARS. Astrophysical Journal, 2009, 698, 1136-1154. | 1.6 | 84 |
| 35 | Mainstream silicon carbide grains from meteorites. , 1997, , . | | 82 |
| 36 | High-Pressure Synthesis of Crystalline Carbon Nitride Imide, C2N2(NH). Angewandte Chemie - International Edition, 2007, 46, 1476-1480. | 7.2 | 82 |

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| 37 | Abundances of presolar silicon carbide grains in primitive meteorites determined by NanoSIMS. Geochimica Et Cosmochimica Acta, 2014, 139, 248-266. | 1.6 | 80 |
| 38 | NanoSIMS STUDIES OF SMALL PRESOLAR SiC GRAINS: NEW INSIGHTS INTO SUPERNOVA NUCLEOSYNTHESIS, CHEMISTRY, AND DUST FORMATION. Astrophysical Journal, 2010, 719, 1370-1384. | 1.6 | 76 |
| 39 | Comet 81P/Wild 2: The size distribution of finer (subâ€10â€ƒÎ¼m) dust collected by the Stardust spacecraft. Meteoritics and Planetary Science, 2010, 45, 1409-1428. | 0.7 | 76 |
| 40 | A nanoscale secondary ion mass spectrometry study of dinoflagellate functional diversity in reefâ€building corals. Environmental Microbiology, 2015, 17, 3570-3580. | 1.8 | 76 |
| 41 | Coordinated isotopic and mineralogic analyses of planetary materials enabled by in situ liftâ€out with a focused ion beam scanning electron microscope. Meteoritics and Planetary Science, 2007, 42, 1373-1386. | 0.7 | 74 |
| 42 | Sulfur isotope fractionation during oxidation of sulfur dioxide: gas-phase oxidation by OH radicals and aqueous oxidation by H<sub>2</sub>O<sub>2</sub>, O<sub>3</sub> and iron catalysis. Atmospheric Chemistry and Physics, 2012, 12, 407-423. | 1.9 | 74 |
| 43 | NanoSIMS analysis and Auger electron spectroscopy of silicate and oxide stardust from the carbonaceous chondrite Acfer 094. Geochimica Et Cosmochimica Acta, 2009, 73, 7127-7149. | 1.6 | 73 |
| 44 | A NanoSIMS study of Si- and Ca-Ti-isotopic compositions of presolar silicon carbide grains from supernovae. Geochimica Et Cosmochimica Acta, 2003, 67, 4693-4703. | 1.6 | 71 |
| 45 | SULFUR MOLECULE CHEMISTRY IN SUPERNOVA EJECTA RECORDED BY SILICON CARBIDE STARDUST. Astrophysical Journal Letters, 2012, 745, L26. | 3.0 | 66 |
| 46 | CHARACTERIZATION OF PRESOLAR MATERIAL IN THE CR CHONDRITE NORTHWEST AFRICA 852. Astrophysical Journal, 2012, 745, 38. | 1.6 | 62 |
| 47 | REE, U, Th, and Hf distribution in zircon from Western Carpathian Variscan granitoids: A combined cathodoluminescence and ion microprobe study. Numerische Mathematik, 2001, 301, 858-876. | 0.7 | 61 |
| 48 | CARBON-RICH PRESOLAR GRAINS FROM MASSIVE STARS: SUBSOLAR <sup>12</sup> C/ <sup>13</sup> C AND <sup>14</sup> N/ <sup>15</sup> N RATIOS AND THE MYSTERY OF <sup>15</sup> N. Astrophysical Journal Letters, 2015, 808, L43. | 3.0 | 61 |
| 49 | Evidence for Extinct Vanadium-49 in Presolar Silicon Carbide Grains from Supernovae. Astrophysical Journal, 2002, 576, L69-L72. | 1.6 | 60 |
| 50 | Dust from comet Wild 2: Interpreting particle size, shape, structure, and composition from impact features on the Stardust aluminum foils. Meteoritics and Planetary Science, 2008, 43, 41-73. | 0.7 | 60 |
| 51 | High-Precision Measurements of <sup>33</sup>S and <sup>34</sup>S Fractionation during SO<sub>2</sub> Oxidation Reveal Causes of Seasonality in SO<sub>2</sub> and Sulfate Isotopic Composition. Environmental Science & Technology, 2013, 47, 12174-12183. | 4.6 | 56 |
| 52 | Meteoritic silicon carbide and its stellar sources; implications for galactic chemical evolution. Nature, 1989, 339, 351-354. | 13.7 | 55 |
| 53 | Stardust in Stardustâ€”The C, N, and O isotopic compositions of Wild 2 cometary matter in Al foil impacts. Meteoritics and Planetary Science, 2008, 43, 299-313. | 0.7 | 54 |
| 54 | Sulfur isotope fractionation during heterogeneous oxidation of SO<sub>2</sub> on mineral dust. Atmospheric Chemistry and Physics, 2012, 12, 4867-4884. | 1.9 | 54 |

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| 56 | DIRECT LABORATORY ANALYSIS OF SILICATE STARDUST FROM RED GIANT STARS. Astrophysical Journal, 2009, 700, 774-782. | 1.6 | 53 |
| 57 | Evidence for live 60Fe in meteorites. New Astronomy Reviews, 2004, 48, 155-159. | 5.2 | 49 |
| 58 | Stellar MgSiO <sub>3</sub> Perovskite: A Shock-transformed Stardust Silicate Found in a Meteorite. Astrophysical Journal, 2007, 666, L49-L52. | 1.6 | 49 |
| 59 | DIRECT EVIDENCE FOR CONDENSATION IN THE EARLY SOLAR SYSTEM AND IMPLICATIONS FOR NEBULAR COOLING RATES. Astrophysical Journal, 2009, 702, L172-L176. | 1.6 | 48 |
| 60 | Presolar He and Ne Isotopes in Single Circumstellar SiC Grains. Astrophysical Journal, 2007, 656, 1208-1222. | 1.6 | 47 |
| 61 | NanoSIMS: A new tool in cosmochemistry. Applied Surface Science, 2006, 252, 7102-7106. | 3.1 | 46 |
| 62 | Sulfur isotope ratio measurements of individual sulfate particles by NanoSIMS. International Journal of Mass Spectrometry, 2008, 272, 63-77. | 0.7 | 46 |
| 63 | Sulfur isotope analyses of individual aerosol particles in the urban aerosol at a central European site (Mainz, Germany). Atmospheric Chemistry and Physics, 2008, 8, 7217-7238. | 1.9 | 46 |
| 64 | Si Isotopic Compositions of Presolar Silicate Grains from Red Giant Stars and Supernovae. Astrophysical Journal, 2008, 684, 611-617. | 1.6 | 43 |
| 65 | Ancient stardust in fine-grained chondrule dust rims from carbonaceous chondrites. Earth and Planetary Science Letters, 2016, 434, 117-128. | 1.8 | 43 |
| 66 | Mineral associations and character of isotopically anomalous organic material in the Tagish Lake carbonaceous chondrite. Geochimica Et Cosmochimica Acta, 2010, 74, 5966-5983. | 1.6 | 40 |
| 67 | Migration of D-type asteroids from the outer Solar System inferred from carbonate in meteorites. Nature Astronomy, 2019, 3, 910-915. | 4.2 | 40 |
| 68 | High spatial resolution ion microprobe measurements refine chronology of carbonate formation in Orgueil. Meteoritics and Planetary Science, 2007, 42, 1309-1320. | 0.7 | 38 |
| 69 | Mineralogy, chemistry, and oxygen isotopes of refractory inclusions from stratospheric interplanetary dust particles and micrometeorites. Meteoritics and Planetary Science, 1996, 31, 739-748. | 0.7 | 33 |
| 70 | Measurement of sulfur isotope ratios in micrometer-sized samples by NanoSIMS. Applied Surface Science, 2006, 252, 7128-7131. | 3.1 | 32 |
| 71 | Phosphorus-bearing sulfides and their associations in CM chondrites. Petrology, 2009, 17, 101-123. | 0.2 | 32 |
| 72 | On the asymptotic giant branch star origin of peculiar spinel grain OC2. Astronomy and Astrophysics, 2007, 461, 657-664. | 2.1 | 32 |

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| 73 | In-cloud sulfate addition to single particles resolved with sulfur isotope analysis during HCCT-2010. Atmospheric Chemistry and Physics, 2014, 14, 4219-4235. | 1.9 | 31 |
| 74 | Sulfur in presolar silicon carbide grains from asymptotic giant branch stars. Meteoritics and Planetary Science, 2015, 50, 1122-1138. | 0.7 | 31 |
| 75 | Comprehensive study of carbon and oxygen isotopic compositions, trace element abundances, and cathodoluminescence intensities of calcite in the Murchison CM chondrite. Geochimica Et Cosmochimica Acta, 2015, 161, 101-117. | 1.6 | 31 |
| 76 | Strontium and barium isotopes in presolar silicon carbide grains measured with CHILIâ€"two types of X grains. Geochimica Et Cosmochimica Acta, 2018, 221, 109-126. | 1.6 | 31 |
| 77 | Chemistry of glass inclusions in olivines of the CR chondrites Renazzo, Acfer 182, and El Djouf 001. Geochimica Et Cosmochimica Acta, 2002, 66, 1663-1679. | 1.6 | 30 |
| 78 | On the Origin of Early Solar System Radioactivities: Problems with the Asymptotic Giant Branch and Massive Star Scenarios. Astrophysical Journal, 2018, 863, 115. | 1.6 | 30 |
| 79 | SILICON CARBIDE GRAINS OF TYPE C PROVIDE EVIDENCE FOR THE PRODUCTION OF THE UNSTABLE ISOTOPE <sup>32</sup> Si IN SUPERNOVAE. Astrophysical Journal Letters, 2013, 771, L7. | 3.0 | 29 |
| 80 | Fluid-induced organic synthesis in the solar nebula recorded in extraterrestrial dust from meteorites. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15338-15343. | 3.3 | 29 |
| 81 | Final reports of the Stardust Interstellar Preliminary Examination. Meteoritics and Planetary Science, 2014, 49, 1720-1733. | 0.7 | 29 |
| 82 | INFERRED INITIAL<sup>26</sup>Al/<sup>27</sup>Al RATIOS IN PRESOLAR STARDUST GRAINS FROM SUPERNOVAE ARE HIGHER THAN PREVIOUSLY ESTIMATED. Astrophysical Journal, 2015, 809, 31. | 1.6 | 29 |
| 83 | Automated ion imaging with the NanoSIMS ion microprobe. Applied Surface Science, 2006, 252, 7148-7151. | 3.1 | 28 |
| 84 | NanoSIMS studies of Ba isotopic compositions in single presolar silicon carbide grains from AGB stars and supernovae. Meteoritics and Planetary Science, 2007, 42, 1077-1101. | 0.7 | 28 |
| 85 | The origins of protoplanetary dust and the formation of accretion disks. , 2010, , 27-65. | | 27 |
| 86 | Molybdenum Isotopes in Presolar Silicon Carbide Grains: Details of s-process Nucleosynthesis in Parent Stars and Implications for r- and p-processes. Astrophysical Journal, 2019, 877, 101. | 1.6 | 27 |
| 87 | NEW CONSTRAINTS ON THE ABUNDANCES OF SILICATE AND OXIDE STARDUST FROM SUPERNOVAE IN THE ACFER 094 METEORITE. Astrophysical Journal Letters, 2015, 808, L9. | 3.0 | 26 |
| 88 | Ne ISOTOPES IN INDIVIDUAL PRESOLAR GRAPHITE GRAINS FROM THE MURCHISON METEORITE TOGETHER WITH He, C, O, Mg-Al ISOTOPIC ANALYSES AS TRACERS OF THEIR ORIGINS. Astrophysical Journal, 2009, 701, 1415-1425. | 1.6 | 25 |
| 89 | The stardust abundance in the local interstellar cloud at the birth of the Solar System. Nature Astronomy, 2017, 1, 617-620. | 4.2 | 25 |
| 90 | Reservoir for Comet Material: Circumstellar Grains. Space Science Reviews, 2008, 138, 43-57. | 3.7 | 24 |

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| 91 | Stardust Interstellar Preliminary Examination X: Impact speeds and directions of interstellar grains on the Stardust dust collector. Meteoritics and Planetary Science, 2014, 49, 1680-1697. | 0.7 | 24 |
| 92 | Fingerprints of carbon, nitrogen, and silicon isotopes in small interstellar SiC grains from the murchison meteorite. Geochimica Et Cosmochimica Acta, 1993, 57, 4059-4068. | 1.6 | 23 |
| 93 | NanoSIMS, the new tool of choice: 26Al, 44Ti, 49V, 53Mn, 60Fe, and more. New Astronomy Reviews, 2004, 48, 171-176. | 5.2 | 23 |
| 94 | In situ survey of graphite in unequilibrated chondrites: Morphologies, C, N, O, and H isotopic ratios. Meteoritics and Planetary Science, 2005, 40, 721-743. | 0.7 | 22 |
| 95 | Fractionation of sulfur isotopes during heterogeneous oxidation of SO<sub>2</sub> on sea salt aerosol: a new tool to investigate non-sea salt sulfate production in the marine boundary layer. Atmospheric Chemistry and Physics, 2012, 12, 4619-4631. | 1.9 | 22 |
| 96 | In Situ Discovery of Graphite with Interstellar Isotopic Signatures in a Chondrule-Free Clast in an L3 Chondrite. Science, 1998, 280, 1418-1420. | 6.0 | 21 |
| 97 | Boron in Presolar Silicon Carbide Grains from Supernovae. Astrophysical Journal, 2001, 551, 478-485. | 1.6 | 21 |
| 98 | LABORATORY ANALYSIS OF PRESOLAR SILICATE STARDUST FROM A NOVA. Astrophysical Journal Letters, 2012, 754, L41. | 3.0 | 21 |
| 99 | High-pressure Reactive Melt Stagnation Recorded in Abyssal Pyroxenites from the Ultraslow-spreading Lena Trough, Arctic Ocean. Journal of Petrology, 2014, 55, 427-458. | 1.1 | 21 |
| 100 | Reactive ammonia in the solar protoplanetary disk and the origin of Earthâ€™s nitrogen. Nature Geoscience, 2015, 8, 97-101. | 5.4 | 21 |
| 101 | NanoSIMS isotope studies of rare types of presolar silicon carbide grains from the Murchison meteorite: Implications for supernova models and the role of 14C. Geochimica Et Cosmochimica Acta, 2018, 221, 182-199. | 1.6 | 21 |
| 102 | A new population of dust from stellar explosions among meteoritic stardust. Nature Astronomy, 2019, 3, 725-729. | 4.2 | 21 |
| 103 | Boron in chondrules. Meteoritics and Planetary Science, 2001, 36, 1331-1343. | 0.7 | 20 |
| 104 | Presolar Isotopic Signatures in Meteorites and Comets: New Insights from the Rosetta Mission to Comet 67P/Churyumovâ€“Gerasimenko. Space Science Reviews, 2018, 214, 1. | 3.7 | 20 |
| 105 | The presolar grain inventory of fineâ€grained chondrule rims in the Migheiâ€type (<scp>CM</scp>) chondrites. Meteoritics and Planetary Science, 2020, 55, 1176-1206. | 0.7 | 20 |
| 106 | Stardust Interstellar Preliminary Examination <scp>IX</scp>: Highâ€speed interstellar dust analog capture in Stardust flightâ€spare aerogel. Meteoritics and Planetary Science, 2014, 49, 1666-1679. | 0.7 | 19 |
| 107 | Mode of occurrence, textural settings and nitrogen-isotopic compositions of in situ diamonds and other carbon phases in the Bencubbin meteorite. Earth and Planetary Science Letters, 2002, 204, 89-100. | 1.8 | 18 |
| 108 | Stardust Interstellar Preliminary Examination <scp>II</scp>: Curating the interstellar dust collector, picokeystones, and sources of impact tracks. Meteoritics and Planetary Science, 2014, 49, 1522-1547. | 0.7 | 18 |

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| 109 | Stardust Interstellar Preliminary Examination <scp>IV</scp>: Scanning transmission Xâ€ray microscopy analyses of impact features in the Stardust Interstellar Dust Collector. Meteoritics and Planetary Science, 2014, 49, 1562-1593. | 0.7 | 18 |
| 110 | The neutron capture process in the He shell in core-collapse supernovae: Presolar silicon carbide grains as a diagnostic tool for nuclear astrophysics. Geochimica Et Cosmochimica Acta, 2018, 221, 37-46. | 1.6 | 18 |
| 111 | Aircraft-based observation of meteoric material in lower-stratospheric aerosol particles between 15 and 68Â°â€‰N. Atmospheric Chemistry and Physics, 2021, 21, 989-1013. | 1.9 | 18 |
| 112 | TRANSMISSION ELECTRON MICROSCOPY OF Al-RICH SILICATE STARDUST FROM ASYMPTOTIC GIANT BRANCH STARS. Astrophysical Journal, 2013, 769, 61. | 1.6 | 17 |
| 113 | Correlated nanoscale characterization of a unique complex oxygen-rich stardust grain: Implications for circumstellar dust formation. Geochimica Et Cosmochimica Acta, 2018, 221, 255-274. | 1.6 | 17 |
| 114 | Hydrogen isotopic composition of CI- and CM-like clasts from meteorite breccias â€“ Sampling unknown sources of carbonaceous chondrite materials. Geochimica Et Cosmochimica Acta, 2020, 272, 177-197. | 1.6 | 17 |
| 115 | Isotope Systematics of Presolar Silicate Grains: New Insights from Magnesium and Silicon. Astrophysical Journal, 2021, 913, 10. | 1.6 | 17 |
| 116 | TEM foil preparation of subâ€micrometre sized individual grains by focused ion beam technique. Journal of Microscopy, 2009, 235, 59-66. | 0.8 | 16 |
| 117 | AN UNUSUAL PRESOLAR SILICON CARBIDE GRAIN FROM A SUPERNOVA: IMPLICATIONS FOR THE PRODUCTION OF SILICON-29 IN TYPE II SUPERNOVAE. Astrophysical Journal, 2009, 691, L20-L23. | 1.6 | 16 |
| 118 | Stardust Interstellar Preliminary Examination <scp>XI</scp>: Identification and elemental analysis of impact craters on Al foils from the Stardust Interstellar Dust Collector. Meteoritics and Planetary Science, 2014, 49, 1698-1719. | 0.7 | 16 |
| 119 | Stardust Interstellar Preliminary Examination I: Identification of tracks in aerogel. Meteoritics and Planetary Science, 2014, 49, 1509-1521. | 0.7 | 16 |
| 120 | Isotopic Signatures of Supernova Nucleosynthesis in Presolar Silicon Carbide Grains of Type AB with Supersolar <sup>14</sup>N/<sup>15</sup>N Ratios. Astrophysical Journal, 2019, 887, 8. | 1.6 | 16 |
| 121 | Isotopic compositions, nitrogen functional chemistry, and lowâ€loss electron spectroscopy of complex organic aggregates at the nanometer scale in the carbonaceous chondrite Renazzo. Meteoritics and Planetary Science, 2020, 55, 1293-1319. | 0.7 | 16 |
| 122 | NanoSIMS perspectives for nuclear astrophysics. New Astronomy Reviews, 2002, 46, 589-595. | 5.2 | 15 |
| 123 | The nonâ€igneous genesis of angrites: Support from trace element distribution between phases in D'Orbigny. Meteoritics and Planetary Science, 2005, 40, 409-430. | 0.7 | 15 |
| 124 | Discovery of nonâ€random spatial distribution of impacts in the Stardust cometary collector. Meteoritics and Planetary Science, 2008, 43, 415-429. | 0.7 | 15 |
| 125 | Titanium isotopic compositions of rare presolar SiC grain types from the Murchison meteorite. Geochimica Et Cosmochimica Acta, 2018, 221, 162-181. | 1.6 | 15 |
| 126 | SIMS studies of Allende projectiles fired into Stardustâ€type aluminum foils at 6 km/sec. Meteoritics and Planetary Science, 2006, 41, 197-209. | 0.7 | 14 |

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| 127 | Co/Ni ratios at taenite/kamacite interfaces and relative cooling rates in iron meteorites. Geochimica Et Cosmochimica Acta, 2012, 84, 508-524. | 1.6 | 14 |
| 128 | HINTS FOR NEUTRINO-PROCESS BORON IN PRESOLAR SILICON CARBIDE GRAINS FROM SUPERNOVAE. Astrophysical Journal Letters, 2011, 730, L7. | 3.0 | 13 |
| 129 | New Attempts to Understand Nanodiamond Stardust. Publications of the Astronomical Society of Australia, 2012, 29, 90-97. | 1.3 | 13 |
| 130 | Sulfur four isotope NanoSIMS analysis of cometâ€81P/Wild 2 dust in impact craters on aluminum foil C2037N from NASAâ€™s Stardust mission. Meteoritics and Planetary Science, 2012, 47, 649-659. | 0.7 | 13 |
| 131 | Stardust Interstellar Preliminary Examination <scp>VII</scp>: Synchrotron Xâ€ray fluorescence analysis of six Stardust interstellar candidates measured with the Advanced Photon Source 2â€<scp>ID</scp>â€Ð microprobe. Meteoritics and Planetary Science, 2014, 49, 1626-1644. | 0.7 | 13 |
| 132 | The Mg isotope composition of presolar silicate grains from red giant stars. Geochimica Et Cosmochimica Acta, 2014, 140, 577-605. | 1.6 | 13 |
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| 134 | Stardust Interstellar Preliminary Examination VIII: Identification of crystalline material in two interstellar candidates. Meteoritics and Planetary Science, 2014, 49, 1645-1665. | 0.7 | 12 |
| 135 | Stardust Interstellar Preliminary Examination <scp>VI</scp>: Quantitative elemental analysis by synchrotron Xâ€ray fluorescence nanoimaging of eight impact features in aerogel. Meteoritics and Planetary Science, 2014, 49, 1612-1625. | 0.7 | 12 |
| 136 | Stardust Interstellar Preliminary Examination V: <scp>XRF</scp> analyses of interstellar dust candidates at <scp>ESRF ID</scp>13. Meteoritics and Planetary Science, 2014, 49, 1594-1611. | 0.7 | 12 |
| 137 | Stardust Interstellar Preliminary Examination <scp>III</scp>: Infrared spectroscopic analysis of interstellar dust candidates. Meteoritics and Planetary Science, 2014, 49, 1548-1561. | 0.7 | 12 |
| 138 | 3â€Ð elemental and isotopic composition of presolar silicon carbides. Meteoritics and Planetary Science, 2007, 42, 1121-1134. | 0.7 | 11 |
| 139 | Speciation of Nitrogen-Bearing Species Using Negative and Positive Secondary Ion Spectra with Nano Secondary Ion Mass Spectrometry. Analytical Chemistry, 2016, 88, 3281-3288. | 3.2 | 11 |
| 140 | Iron and nickel isotope compositions of presolar silicon carbide grains from supernovae. Geochimica Et Cosmochimica Acta, 2018, 221, 127-144. | 1.6 | 11 |
| 141 | New Insights into the Galactic Chemical Evolution of Magnesium and Silicon Isotopes from Studies of Silicate Stardust. Astrophysical Journal, 2018, 869, 47. | 1.6 | 10 |
| 142 | Insights into architecture, growth dynamics, and biomineralization from pulsed Sr-labelled <i>Katelysia rhytiphora</i> shells (Mollusca, Bivalvia). Biogeosciences, 2019, 16, 3439-3455. | 1.3 | 10 |
| 143 | Stardust in meteorites and its relevance to nuclear astrophysics. Nuclear Physics A, 2001, 688, 94-101. | 0.6 | 8 |
| 144 | Non-destructive search for interstellar dust using synchrotron microprobes. , 2010, , . | | 8 |

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