

Peter Hoppe

List of Publications by Year in descending order

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178
papers

10,093
citations

36203

51
h-index

39575

94
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191
all docs

191
docs citations

191
times ranked

6356
citing authors

#	ARTICLE	IF	CITATIONS
1	Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites. <i>Science</i> , 2023, 379, .	6.0	97
2	Iron-60 in the Early Solar System Revisited: Insights from In Situ Isotope Analysis of Chondritic Troilite. <i>Astrophysical Journal</i> , 2022, 929, 107.	1.6	7
3	Aircraft-based observation of meteoric material in lower-stratospheric aerosol particles between 15 and 68°N. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 989-1013.	1.9	18
4	Isotope Systematics of Presolar Silicate Grains: New Insights from Magnesium and Silicon. <i>Astrophysical Journal</i> , 2021, 913, 10.	1.6	17
5	Isotopic compositions, nitrogen functional chemistry, and low-loss electron spectroscopy of complex organic aggregates at the nanometer scale in the carbonaceous chondrite Renazzo. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1293-1319.	0.7	16
6	Hydrogen isotopic composition of CI- and CM-like clasts from meteorite breccias – Sampling unknown sources of carbonaceous chondrite materials. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 272, 177-197.	1.6	17
7	The presolar grain inventory of fine-grained chondrule rims in the Mighei-type (<sc>CM</sc>) chondrites. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1176-1206.	0.7	20
8	A primordial 15N-depleted organic component detected within the carbonaceous chondrite Maribo. <i>Scientific Reports</i> , 2020, 10, 20251.	1.6	6
9	Migration of D-type asteroids from the outer Solar System inferred from carbonate in meteorites. <i>Nature Astronomy</i> , 2019, 3, 910-915.	4.2	40
10	Insights into architecture, growth dynamics, and biomineralization from pulsed Sr-labelled <i>Katelaysia rhytiphora</i> shells (Mollusca, Bivalvia). <i>Biogeosciences</i> , 2019, 16, 3439-3455.	1.3	10
11	Isotopes of Barium as a Chronometer for Supernova Dust Formation. <i>Astrophysical Journal</i> , 2019, 885, 128.	1.6	7
12	A new population of dust from stellar explosions among meteoritic stardust. <i>Nature Astronomy</i> , 2019, 3, 725-729.	4.2	21
13	Molybdenum Isotopes in Presolar Silicon Carbide Grains: Details of s-process Nucleosynthesis in Parent Stars and Implications for r- and p-processes. <i>Astrophysical Journal</i> , 2019, 877, 101.	1.6	27
14	Isotopic Signatures of Supernova Nucleosynthesis in Presolar Silicon Carbide Grains of Type AB with Supersolar $^{14}\text{N}/^{15}\text{N}$ Ratios. <i>Astrophysical Journal</i> , 2019, 887, 8.	1.6	16
15	Presolar SiC Grains of Type AB with Isotopically Light Nitrogen: Contributions from Supernovae?. <i>Springer Proceedings in Physics</i> , 2019, , 373-376.	0.1	1
16	Correlated nanoscale characterization of a unique complex oxygen-rich stardust grain: Implications for circumstellar dust formation. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 221, 255-274.	1.6	17
17	NanoSIMS isotope studies of rare types of presolar silicon carbide grains from the Murchison meteorite: Implications for supernova models and the role of ^{14}C . <i>Geochimica Et Cosmochimica Acta</i> , 2018, 221, 182-199.	1.6	21
18	Titanium isotopic compositions of rare presolar SiC grain types from the Murchison meteorite. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 221, 162-181.	1.6	15

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19	The neutron capture process in the He shell in core-collapse supernovae: Presolar silicon carbide grains as a diagnostic tool for nuclear astrophysics. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 221, 37-46.	1.6	18
20	Strontium and barium isotopes in presolar silicon carbide grains measured with CHILL—two types of X grains. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 221, 109-126.	1.6	31
21	Sulfide—oxide assemblages in Acfer 094—Clues to nebular metal—gas interactions. <i>Meteoritics and Planetary Science</i> , 2018, 53, 187-203.	0.7	7
22	A study of presolar material in hydrated lithic clasts from metal—rich carbonaceous chondrites. <i>Meteoritics and Planetary Science</i> , 2018, 53, 204-231.	0.7	8
23	Structural Investigation of Silicon Carbide X Grains: Constraints on Condensation in Supernova Ejecta. <i>Astrophysical Journal</i> , 2018, 868, 34.	1.6	4
24	New Insights into the Galactic Chemical Evolution of Magnesium and Silicon Isotopes from Studies of Silicate Stardust. <i>Astrophysical Journal</i> , 2018, 869, 47.	1.6	10
25	Presolar Isotopic Signatures in Meteorites and Comets: New Insights from the Rosetta Mission to Comet 67P/Churyumov—Gerasimenko. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	20
26	Signatures of the Martian regolith components entrained in some impact—melt glasses in shergottites. <i>Meteoritics and Planetary Science</i> , 2018, 53, 2558-2582.	0.7	6
27	On the Origin of Early Solar System Radioactivities: Problems with the Asymptotic Giant Branch and Massive Star Scenarios. <i>Astrophysical Journal</i> , 2018, 863, 115.	1.6	30
28	An isotopic, elemental and structural study of silicon nitride from enstatite chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 153-172.	1.6	3
29	Iron and nickel isotope compositions of presolar silicon carbide grains from supernovae. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 221, 127-144.	1.6	11
30	The stardust abundance in the local interstellar cloud at the birth of the Solar System. <i>Nature Astronomy</i> , 2017, 1, 617-620.	4.2	25
31	Stardust from Supernovae and Its Isotopes. , 2017, , 2473-2487.		1
32	Presolar Grains. <i>Encyclopedia of Earth Sciences Series</i> , 2017, , 1-4.	0.1	0
33	NanoSIMS and more: New tools in nuclear astrophysics. <i>Journal of Physics: Conference Series</i> , 2016, 665, 012075.	0.3	2
34	Boron abundances and isotopic ratios of olivine grains on Itokawa returned by the Hayabusa spacecraft. <i>Meteoritics and Planetary Science</i> , 2016, 51, 1721-1729.	0.7	4
35	Nitrogen isotope analysis of NaNO ₃ and KNO ₃ by nano secondary ion mass spectrometry using the ¹⁵ N/ ¹⁶ O ₂ ⁺ / ¹⁴ N/ ¹⁶ O ₂ ⁺ ratio. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016, 34, 030601.	0.6	2
36	Speciation of Nitrogen-Bearing Species Using Negative and Positive Secondary Ion Spectra with Nano Secondary Ion Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 3281-3288.	3.2	11

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37	Ancient stardust in fine-grained chondrule dust rims from carbonaceous chondrites. <i>Earth and Planetary Science Letters</i> , 2016, 434, 117-128.	1.8	43
38	Stardust from Supernovae and Its Isotopes. , 2016, , 1-15.		0
39	INFERRED INITIAL ²⁶ Al/ ²⁷ Al RATIOS IN PRESOLAR STARDUST GRAINS FROM SUPERNOVAE ARE HIGHER THAN PREVIOUSLY ESTIMATED. <i>Astrophysical Journal</i> , 2015, 809, 31.	1.6	29
40	A nanoscale secondary ion mass spectrometry study of dinoflagellate functional diversity in reef-building corals. <i>Environmental Microbiology</i> , 2015, 17, 3570-3580.	1.8	76
41	Sulfur in presolar silicon carbide grains from asymptotic giant branch stars. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1122-1138.	0.7	31
42	Comprehensive study of carbon and oxygen isotopic compositions, trace element abundances, and cathodoluminescence intensities of calcite in the Murchison CM chondrite. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 161, 101-117.	1.6	31
43	Reactive ammonia in the solar protoplanetary disk and the origin of Earth's nitrogen. <i>Nature Geoscience</i> , 2015, 8, 97-101.	5.4	21
44	NEW CONSTRAINTS ON THE ABUNDANCES OF SILICATE AND OXIDE STARDUST FROM SUPERNOVAE IN THE ACFER 094 METEORITE. <i>Astrophysical Journal Letters</i> , 2015, 808, L9.	3.0	26
45	CARBON-RICH PRESOLAR GRAINS FROM MASSIVE STARS: SUBSOLAR ¹² C/ ¹³ C AND ¹⁴ N/ ¹⁵ N RATIOS AND THE MYSTERY OF ¹⁵ N. <i>Astrophysical Journal Letters</i> , 2015, 808, L43.	3.0	61
46	Presolar Grains. , 2014, , 181-213.		121
47	Stardust Interstellar Preliminary Examination X: Impact speeds and directions of interstellar grains on the Stardust dust collector. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1680-1697.	0.7	24
48	Stardust Interstellar Preliminary Examination IX: High-speed interstellar dust analog capture in Stardust flight spare aerogel. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1666-1679.	0.7	19
49	Stardust Interstellar Preliminary Examination XI: Identification and elemental analysis of impact craters on Al foils from the Stardust Interstellar Dust Collector. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1698-1719.	0.7	16
50	Stardust Interstellar Preliminary Examination VIII: Identification of crystalline material in two interstellar candidates. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1645-1665.	0.7	12
51	Stardust Interstellar Preliminary Examination VII: Synchrotron X-ray fluorescence analysis of six Stardust interstellar candidates measured with the Advanced Photon Source 2-ID microprobe. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1626-1644.	0.7	13
52	Stardust Interstellar Preliminary Examination VI: Quantitative elemental analysis by synchrotron X-ray fluorescence nanoimaging of eight impact features in aerogel. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1612-1625.	0.7	12
53	Abundances of presolar silicon carbide grains in primitive meteorites determined by NanoSIMS. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 139, 248-266.	1.6	80
54	High-pressure Reactive Melt Stagnation Recorded in Abyssal Pyroxenites from the Ultraslow-spreading Lena Trough, Arctic Ocean. <i>Journal of Petrology</i> , 2014, 55, 427-458.	1.1	21

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55	Stardust Interstellar Preliminary Examination V: XRF analyses of interstellar dust candidates at ESRF ID 13. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1594-1611.	0.7	12
56	Fluid-induced organic synthesis in the solar nebula recorded in extraterrestrial dust from meteorites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15338-15343.	3.3	29
57	Final reports of the Stardust Interstellar Preliminary Examination. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1720-1733.	0.7	29
58	The Mg isotope composition of presolar silicate grains from red giant stars. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 577-605.	1.6	13
59	Stardust Interstellar Preliminary Examination II: Curating the interstellar dust collector, picrokeystones, and sources of impact tracks. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1522-1547.	0.7	18
60	Stardust Interstellar Preliminary Examination III: Infrared spectroscopic analysis of interstellar dust candidates. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1548-1561.	0.7	12
61	Stardust Interstellar Preliminary Examination I: Identification of tracks in aerogel. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1509-1521.	0.7	16
62	Stardust Interstellar Preliminary Examination IV: Scanning transmission X-ray microscopy analyses of impact features in the Stardust Interstellar Dust Collector. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1562-1593.	0.7	18
63	Evidence for interstellar origin of seven dust particles collected by the Stardust spacecraft. <i>Science</i> , 2014, 345, 786-791.	6.0	152
64	In-cloud sulfate addition to single particles resolved with sulfur isotope analysis during HCCT-2010. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4219-4235.	1.9	31
65	High-Precision Measurements of ³³ S and ³⁴ S Fractionation during SO ₂ Oxidation Reveal Causes of Seasonality in SO ₂ and Sulfate Isotopic Composition. <i>Environmental Science & Technology</i> , 2013, 47, 12174-12183.	4.6	56
66	Enhanced Role of Transition Metal Ion Catalysis During In-Cloud Oxidation of SO ₂ . <i>Science</i> , 2013, 340, 727-730.	6.0	286
67	NanoSIMS: Technical Aspects and Applications in Cosmochemistry and Biological Geochemistry. <i>Geostandards and Geoanalytical Research</i> , 2013, 37, 111-154.	1.7	216
68	SILICON CARBIDE GRAINS OF TYPE C PROVIDE EVIDENCE FOR THE PRODUCTION OF THE UNSTABLE ISOTOPE ³² Si IN SUPERNOVAE. <i>Astrophysical Journal Letters</i> , 2013, 771, L7.	3.0	29
69	EVIDENCE FOR RADIOGENIC SULFUR-32 IN TYPE AB PRESOLAR SILICON CARBIDE GRAINS?. <i>Astrophysical Journal Letters</i> , 2013, 776, L29.	3.0	54
70	TRANSMISSION ELECTRON MICROSCOPY OF Al-RICH SILICATE STARDUST FROM ASYMPTOTIC GIANT BRANCH STARS. <i>Astrophysical Journal</i> , 2013, 769, 61.	1.6	17
71	SULFUR MOLECULE CHEMISTRY IN SUPERNOVA EJECTA RECORDED BY SILICON CARBIDE STARDUST. <i>Astrophysical Journal Letters</i> , 2012, 745, L26.	3.0	66
72	Fractionation of sulfur isotopes during heterogeneous oxidation of SO ₂ on sea salt aerosol: a new tool to investigate non-sea salt sulfate production in the marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4619-4631.	1.9	22

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73	Sulfur isotope fractionation during heterogeneous oxidation of SO ₂ on mineral dust. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4867-4884.	1.9	54
74	Sulfur isotope fractionation during oxidation of sulfur dioxide: gas-phase oxidation by OH radicals and aqueous oxidation by H ₂ O ₂ , O ₃ , and iron catalysis. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 407-423.	1.9	74
75	LABORATORY ANALYSIS OF PRESOLAR SILICATE STARDUST FROM A NOVA. <i>Astrophysical Journal Letters</i> , 2012, 754, L41.	3.0	21
76	Co/Ni ratios at taenite/kamacite interfaces and relative cooling rates in iron meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 84, 508-524.	1.6	14
77	CHARACTERIZATION OF PRESOLAR MATERIAL IN THE CR CHONDRITE NORTHWEST AFRICA 852. <i>Astrophysical Journal</i> , 2012, 745, 38.	1.6	62
78	New Attempts to Understand Nanodiamond Stardust. <i>Publications of the Astronomical Society of Australia</i> , 2012, 29, 90-97.	1.3	13
79	SARIM PLUS sample return of comet 67P/CG and of interstellar matter. <i>Experimental Astronomy</i> , 2012, 33, 723-751.	1.6	3
80	New insights into the formation of fayalitic olivine from Allende dark inclusions. <i>Meteoritics and Planetary Science</i> , 2012, 47, 832-852.	0.7	5
81	Sulfur four isotope NanoSIMS analysis of comet 81P/Wild 2 dust in impact craters on aluminum foil C2037N from NASA's Stardust mission. <i>Meteoritics and Planetary Science</i> , 2012, 47, 649-659.	0.7	13
82	HINTS FOR NEUTRINO-PROCESS BORON IN PRESOLAR SILICON CARBIDE GRAINS FROM SUPERNOVAE. <i>Astrophysical Journal Letters</i> , 2011, 730, L7.	3.0	13
83	Search for extinct aluminum ²⁶ and titanium ⁴⁴ in nanodiamonds from the Allende CV3 and Murchison CM2 meteorites. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1265-1275.	0.7	4
84	Measurements of presolar grains. , 2011, , .		6
85	A promising method to obtain accurate Mg and Fe isotope compositional data on presolar silicate particles found in the primitive carbonaceous chondrite Acfer 094. , 2011, , .		2
86	The origins of protoplanetary dust and the formation of accretion disks. , 2010, , 27-65.		27
87	NanoSIMS STUDIES OF SMALL PRESOLAR SiC GRAINS: NEW INSIGHTS INTO SUPERNOVA NUCLEOSYNTHESIS, CHEMISTRY, AND DUST FORMATION. <i>Astrophysical Journal</i> , 2010, 719, 1370-1384.	1.6	76
88	Non-destructive search for interstellar dust using synchrotron microprobes. , 2010, , .		8
89	Stardust In Primitive Solar System Materials. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	4
90	Mineral associations and character of isotopically anomalous organic material in the Tagish Lake carbonaceous chondrite. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5966-5983.	1.6	40

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91	Comet 81P/Wild 2: The size distribution of finer ($\leq 10\ \mu\text{m}$) dust collected by the Stardust spacecraft. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1409-1428.	0.7	76
92	DIRECT LABORATORY ANALYSIS OF SILICATE STARDUST FROM RED GIANT STARS. <i>Astrophysical Journal</i> , 2009, 700, 774-782.	1.6	53
93	DIRECT EVIDENCE FOR CONDENSATION IN THE EARLY SOLAR SYSTEM AND IMPLICATIONS FOR NEBULAR COOLING RATES. <i>Astrophysical Journal</i> , 2009, 702, L172-L176.	1.6	48
94	Sternenstaub in Meteoriten und Kometen. <i>Physik in Unserer Zeit</i> , 2009, 40, 282-289.	0.0	2
95	TEM foil preparation of sub-micrometre sized individual grains by focused ion beam technique. <i>Journal of Microscopy</i> , 2009, 235, 59-66.	0.8	16
96	Phosphorus-bearing sulfides and their associations in CM chondrites. <i>Petrology</i> , 2009, 17, 101-123.	0.2	32
97	Ultra-primitive interplanetary dust particles from the comet 26P/Grigg-Skjellerup dust stream collection. <i>Earth and Planetary Science Letters</i> , 2009, 288, 44-57.	1.8	187
98	NanoSIMS analysis and Auger electron spectroscopy of silicate and oxide stardust from the carbonaceous chondrite Acfer 094. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 7127-7149.	1.6	73
99	AN UNUSUAL PRESOLAR SILICON CARBIDE GRAIN FROM A SUPERNOVA: IMPLICATIONS FOR THE PRODUCTION OF SILICON-29 IN TYPE II SUPERNOVAE. <i>Astrophysical Journal</i> , 2009, 691, L20-L23.	1.6	16
100	Heavy Element Abundances in Presolar Silicon Carbide Grains from Low-Metallicity AGB Stars. <i>Publications of the Astronomical Society of Australia</i> , 2009, 26, 284-288.	1.3	2
101	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. <i>Astrophysical Journal</i> , 2009, 701, 1415-1425.	1.6	25
102	STARDUST FROM ASYMPTOTIC GIANT BRANCH STARS. <i>Astrophysical Journal</i> , 2009, 698, 1136-1154.	1.6	84
103	4.3.3 Meteorites. <i>Landolt-Börnstein - Group VI Astronomy and Astrophysics</i> , 2009, , 582-602.	0.1	1
104	Sulfur isotope ratio measurements of individual sulfate particles by NanoSIMS. <i>International Journal of Mass Spectrometry</i> , 2008, 272, 63-77.	0.7	46
105	Reservoir for Comet Material: Circumstellar Grains. <i>Space Science Reviews</i> , 2008, 138, 43-57.	3.7	24
106	Extinct manganese-53 in carbonates from the Orgueil meteorite. <i>New Astronomy Reviews</i> , 2008, 52, 467-470.	5.2	3
107	Search for extinct ^{36}Cl : Vigarano CAIs, the Pink Angel from Allende, and a Ningqiang chondrule. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 6141-6153.	1.6	12
108	Dust from comet Wild 2: Interpreting particle size, shape, structure, and composition from impact features on the Stardust aluminum foils. <i>Meteoritics and Planetary Science</i> , 2008, 43, 41-73.	0.7	60

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109	Stardust in Stardustâ€”The C, N, and O isotopic compositions of Wild 2 cometary matter in Al foil impacts. <i>Meteoritics and Planetary Science</i> , 2008, 43, 299-313.	0.7	54
110	Discovery of nonâ€”random spatial distribution of impacts in the Stardust cometary collector. <i>Meteoritics and Planetary Science</i> , 2008, 43, 415-429.	0.7	15
111	Presolar Silicates In Meteorites And Interplanetary Dust Particles. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	2
112	A single-cell view on the ecophysiology of anaerobic phototrophic bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17861-17866.	3.3	388
113	NanoSIMS and TEM Studies of SiC and Si ₃ N ₄ Supernova Condensates. <i>Microscopy and Microanalysis</i> , 2008, 14, 518-519.	0.2	0
114	Aluminumâ€”, Calciumâ€”, and Titaniumâ€”rich Oxide Stardust in Ordinary Chondrite Meteorites. <i>Astrophysical Journal</i> , 2008, 682, 1450-1478.	1.6	163
115	Sulfur isotope analyses of individual aerosol particles in the urban aerosol at a central European site (Mainz, Germany). <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 7217-7238.	1.9	46
116	Si Isotopic Compositions of Presolar Silicate Grains from Red Giant Stars and Supernovae. <i>Astrophysical Journal</i> , 2008, 684, 611-617.	1.6	43
117	Reservoir for Comet Material: Circumstellar Grains. <i>Space Sciences Series of ISSI</i> , 2008, , 43-57.	0.0	1
118	Presolar He and Ne Isotopes in Single Circumstellar SiC Grains. <i>Astrophysical Journal</i> , 2007, 656, 1208-1222.	1.6	47
119	NanoSIMS isotopic analysis of small presolar grains: Search for Si ₃ N ₄ grains from AGB stars and Al and Ti isotopic compositions of rare presolar SiC grains. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4786-4813.	1.6	91
120	NanoSIMS studies of Ba isotopic compositions in single presolar silicon carbide grains from AGB stars and supernovae. <i>Meteoritics and Planetary Science</i> , 2007, 42, 1077-1101.	0.7	28
121	δ elemental and isotopic composition of presolar silicon carbides. <i>Meteoritics and Planetary Science</i> , 2007, 42, 1121-1134.	0.7	11
122	High spatial resolution ion microprobe measurements refine chronology of carbonate formation in Orgueil. <i>Meteoritics and Planetary Science</i> , 2007, 42, 1309-1320.	0.7	38
123	Coordinated isotopic and mineralogic analyses of planetary materials enabled by in situ liftâ€”out with a focused ion beam scanning electron microscope. <i>Meteoritics and Planetary Science</i> , 2007, 42, 1373-1386.	0.7	74
124	Stellar MgSiO ₃ Perovskite: A Shock-transformed Stardust Silicate Found in a Meteorite. <i>Astrophysical Journal</i> , 2007, 666, L49-L52.	1.6	49
125	High-Pressure Synthesis of Crystalline Carbon Nitride Imide, C ₂ N ₂ (NH). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1476-1480.	7.2	82
126	On the asymptotic giant branch star origin of peculiar spinel grain OC2. <i>Astronomy and Astrophysics</i> , 2007, 461, 657-664.	2.1	32

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127	Impact Features on Stardust: Implications for Comet 81P/Wild 2 Dust. <i>Science</i> , 2006, 314, 1716-1719.	6.0	286
128	Comet 81P/Wild 2 Under a Microscope. <i>Science</i> , 2006, 314, 1711-1716.	6.0	848
129	Elemental Compositions of Comet 81P/Wild 2 Samples Collected by Stardust. <i>Science</i> , 2006, 314, 1731-1735.	6.0	200
130	SIMS studies of Allende projectiles fired into Stardust-type aluminum foils at 6 km/sec. <i>Meteoritics and Planetary Science</i> , 2006, 41, 197-209.	0.7	14
131	Interstellar Chemistry Recorded in Organic Matter from Primitive Meteorites. <i>Science</i> , 2006, 312, 727-730.	6.0	315
132	Pre-solar grains in meteorites and interplanetary dust: an overview. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 341-344.	0.0	0
133	NanoSIMS: A new tool in cosmochemistry. <i>Applied Surface Science</i> , 2006, 252, 7102-7106.	3.1	46
134	Measurement of sulfur isotope ratios in micrometer-sized samples by NanoSIMS. <i>Applied Surface Science</i> , 2006, 252, 7128-7131.	3.1	32
135	Automated ion imaging with the NanoSIMS ion microprobe. <i>Applied Surface Science</i> , 2006, 252, 7148-7151.	3.1	28
136	Isotopic Compositions of Cometary Matter Returned by Stardust. <i>Science</i> , 2006, 314, 1724-1728.	6.0	343
137	Are Presolar Silicon Carbide Grains from Novae Actually from Supernovae?. <i>Astrophysical Journal</i> , 2005, 631, L89-L92.	1.6	100
138	⁶⁰ Fe: A Heat Source for Planetary Differentiation from a Nearby Supernova Explosion. <i>Astrophysical Journal</i> , 2005, 625, 271-277.	1.6	129
139	Trace element distribution between orthopyroxene and clinopyroxene in peridotites from the Gakkel Ridge: a SIMS and NanoSIMS study. <i>Contributions To Mineralogy and Petrology</i> , 2005, 150, 486-504.	1.2	95
140	The non-igneous genesis of angrites: Support from trace element distribution between phases in D'Orbigny. <i>Meteoritics and Planetary Science</i> , 2005, 40, 409-430.	0.7	15
141	In situ survey of graphite in unequilibrated chondrites: Morphologies, C, N, O, and H isotopic ratios. <i>Meteoritics and Planetary Science</i> , 2005, 40, 721-743.	0.7	22
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