Andrew Davis

List of Publications by Year
in descending order

154 papers	12,701 citations	15466 65 h-index	24915 109 g-index
157 all docs	157 docs citations	157 times ranked	6910 citing authors

#	Article	IF	Citations
1	Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites. Science, 2023, 379, .	6.0	97
2	Reassessing the thermal history of martian meteorite Shergotty and Apollo mare basalt 15555 using kinetic isotope fractionation of zoned minerals. Geochimica Et Cosmochimica Acta, 2021, 295, 265-285.	1.6	7
3	Heating events in the nascent solar system recorded by rare earth element isotopic fractionation in refractory inclusions. Science Advances, 2021, 7, .	4.7	28
4	Molybdenum Isotope Dichotomy in Meteorites Caused by s-Process Variability. Astrophysical Journal, 2021, 909, 8.	1.6	9
5	The fall, recovery, classification, and initial characterization of the Hamburg, Michigan H4 chondrite. Meteoritics and Planetary Science, 2020, 55, 2341-2359.	0.7	4
6	A refractory inclusion with solar oxygen isotopes and the rarity of such objects in the meteorite record. Meteoritics and Planetary Science, 2020, 55, 524-534.	0.7	4
7	Lifetimes of interstellar dust from cosmic ray exposure ages of presolar silicon carbide. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1884-1889.	3.3	57
8	Mineralogy, petrography, and oxygen and aluminum-magnesium isotope systematics of grossite-bearing refractory inclusions. Chemie Der Erde, 2019, 79, 125529.	0.8	14
9	Presolar Silicon Carbide Grains of Types Y and Z: Their Molybdenum Isotopic Compositions and Stellar Origins. Astrophysical Journal, 2019, 881, 28.	1.6	23
10	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
11	Condensate refractory inclusions from the CO3.00 chondrite Dominion Range 08006: Petrography, mineral chemistry, and isotopic compositions. Geochimica Et Cosmochimica Acta, 2019, 246, 109-122.	1.6	20
12	New Constraints on the Abundance of ⁶⁰Fe in the Early Solar System. Astrophysical Journal Letters, 2018, 857, L15.	3.0	40
13	Calcium and titanium isotopes in refractory inclusions from CM, CO, and CR chondrites. Earth and Planetary Science Letters, 2018, 489, 179-190.	1.8	13
14	A multielement isotopic study of refractory FUN and F CAIs: Mass-dependent and mass-independent isotope effects. Geochimica Et Cosmochimica Acta, 2018, 221, 296-317.	1.6	27
15	Titanium isotopes and rare earth patterns in CAIs: Evidence for thermal processing and gas-dust decoupling in the protoplanetary disk. Geochimica Et Cosmochimica Acta, 2018, 221, 275-295.	1.6	88
16	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
17	Simultaneous iron and nickel isotopic analyses of presolar silicon carbide grains. Geochimica Et Cosmochimica Acta, 2018, 221, 87-108.	1.6	27
18	New Constraints on the Major Neutron Source in Low-mass AGB Stars. Astrophysical Journal, 2018, 865, 112.	1.6	29

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19	Common Occurrence of Explosive Hydrogen Burning in Type II Supernovae. Astrophysical Journal, 2018, 855, 144.	1.6	15
20	High early solar activity inferred from helium and neon excesses in the oldest meteorite inclusions. Nature Astronomy, 2018, 2, 709-713.	4.2	18
21	Potassic, high-silica Hadean crust. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6353-6356.	3.3	33
22	Iron and nickel isotope compositions of presolar silicon carbide grains from supernovae. Geochimica Et Cosmochimica Acta, 2018, 221, 127-144.	1.6	11
23	Calcium-aluminum-rich inclusions with fractionation and unidentified nuclear effects (FUN CAIs): II. Heterogeneities of magnesium isotopes and 26Al in the early Solar System inferred from in situ high-precision magnesium-isotope measurements. Geochimica Et Cosmochimica Acta, 2017, 201, 6-24.	1.6	50
24	Atomâ€probe tomography and transmission electron microscopy of the kamaciteâ€“taenite interface in the fastâ€cooled Bristol IVA iron meteorite. Meteoritics and Planetary Science, 2017, 52, 2707-2729.	0.7	11
25	J-type Carbon Stars: A Dominant Source of ¹⁴N-rich Presolar SiC Grains of Type AB. Astrophysical Journal Letters, 2017, 844, L12.	3.0	25
26	New constraints on the relationship between 26Al and oxygen, calcium, and titanium isotopic variation in the early Solar System from a multielement isotopic study of spinel-hibonite inclusions. Geochimica Et Cosmochimica Acta, 2016, 184, 151-172.	1.6	63
27	CHILI â€“ the Chicago Instrument for Laser Ionization â€“ a new tool for isotope measurements in cosmochemistry. International Journal of Mass Spectrometry, 2016, 407, 1-15.	0.7	68
28	A link between oxygen, calcium and titanium isotopes in 26Al-poor hibonite-rich CAIs from Murchison and implications for the heterogeneity of dust reservoirs in the solar nebula. Geochimica Et Cosmochimica Acta, 2016, 189, 70-95.	1.6	83
29	CHILI, a Nanobeam Secondary Neutral Mass Spectrometer with Extraordinary Spatial Resolution, Sensitivity, and Selectivity: First Results. Microscopy and Microanalysis, 2015, 21, 1143-1144.	0.2	0
30	Isotopic mass fractionation laws for magnesium and their effects on 26Alâ€“26Mg systematics in solar system materials. Geochimica Et Cosmochimica Acta, 2015, 158, 245-261.	1.6	74
31	CORRELATED STRONTIUM AND BARIUM ISOTOPIC COMPOSITIONS OF ACID-CLEANED SINGLE MAINSTREAM SILICON CARBIDES FROM MURCHISON. Astrophysical Journal, 2015, 803, 12.	1.6	65
32	Atomâ€probe analyses of nanodiamonds from Allende. Meteoritics and Planetary Science, 2014, 49, 453-467.	0.7	62
33	BARIUM ISOTOPIC COMPOSITION OF MAINSTREAM SILICON CARBIDES FROM MURCHISON: CONSTRAINTS FORs-PROCESS NUCLEOSYNTHESIS IN ASYMPTOTIC GIANT BRANCH STARS. Astrophysical Journal, 2014, 786, 66.	1.6	67
34	THE IMPACT OF UPDATED Zr NEUTRON-CAPTURE CROSS SECTIONS AND NEW ASYMPTOTIC GIANT BRANCH MODELS ON OUR UNDERSTANDING OF THESPROCESS AND THE ORIGIN OF STARDUST. Astrophysical Journal, 2014, 780, 95.	1.6	43
35	THE¹³C-POCKET STRUCTURE IN AGB MODELS: CONSTRAINTS FROM ZIRCONIUM ISOTOPE ABUNDANCES IN SINGLE MAINSTREAM SiC GRAINS. Astrophysical Journal, 2014, 788, 163.	1.6	40
36	Calcium-aluminum-rich inclusions with fractionation and unknown nuclear effects (FUN CAIs): I. Mineralogy, petrology, and oxygen isotopic compositions. Geochimica Et Cosmochimica Acta, 2014, 145, 206-247.	1.6	57

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37	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
38	Evidence for interstellar origin of seven dust particles collected by the Stardust spacecraft. Science, 2014, 345, 786-791.	6.0	152
39	Calcium-48 isotopic anomalies in bulk chondrites and achondrites: Evidence for a uniform isotopic reservoir in the inner protoplanetary disk. Earth and Planetary Science Letters, 2014, 407, 96-108.	1.8	120
40	Calcium and titanium isotopic fractionations during evaporation. Geochimica Et Cosmochimica Acta, 2014, 140, 365-380.	1.6	41
41	Atom-Probe Tomography of Meteoritic Nanodiamonds.. Microscopy and Microanalysis, 2014, 20, 1676-1677.	0.2	1
42	Experimental evaporation of Mg- and Si-rich melts: Implications for the origin and evolution of FUN CAIs. Geochimica Et Cosmochimica Acta, 2013, 123, 368-384.	1.6	39
43	Fall, classification, and exposure history of the Mifflin L5 chondrite. Meteoritics and Planetary Science, 2013, 48, 641-655.	0.7	5
44	Mg and Si isotopic fractionation patterns in types B1 and B2 <scp>CAI</scp>s: Implications for formation under different nebular conditions. Meteoritics and Planetary Science, 2013, 48, 1440-1458.	0.7	20
45	Radar-Enabled Recovery of the Sutterâ€™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. Science, 2012, 338, 1583-1587.	6.0	191
46	Internal 26Alâ€“26Mg isotope systematics of a Type B CAI: Remelting of refractory precursor solids. Geochimica Et Cosmochimica Acta, 2012, 86, 37-51.	1.6	63
47	The proto-Earth as a significant source of lunar material. Nature Geoscience, 2012, 5, 251-255.	5.4	335
48	A new method for MC-ICPMS measurement of titanium isotopic composition: Identification of correlated isotope anomalies in meteorites. Journal of Analytical Atomic Spectrometry, 2011, 26, 2197.	1.6	99
49	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Ar</mml:mi><mml:mprescripts /><mml:none /><mml:mn>39</mml:mn></mml:mmultiscripts></mml:math>Detection at the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>10</mml:mn><mml:mrow><mml:mo>â’</mml:mo><mml:mn>16</mml:mn></mml:mrow><mml:m Abundance Level with Atom Trap Trace Analysis. Physical Review Letters, 2011, 106, 103001.	2.9	50
50	Stardust in meteorites. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19142-19146.	3.3	75
51	EXTINCT⁹³Zr IN SINGLE PRESOLAR SiC GRAINS FROM LOW MASS ASYMPTOTIC GIANT BRANCH STARS AND CONDENSATION FROM Zr-DEPLETED GAS. Astrophysical Journal, 2010, 713, 212-219.	1.6	17
52	OXYGEN ISOTOPIC COMPOSITION OF THE SUN AND MEAN OXYGEN ISOTOPIC COMPOSITION OF THE PROTOSOLAR SILICATE DUST: EVIDENCE FROM REFRACTORY INCLUSIONS. Astrophysical Journal, 2010, 713, 1159-1166.	1.6	84
53	EARLY SOLAR NEBULA CONDENSATES WITH CANONICAL, NOT SUPRACANONICAL, INITIAL ²⁶ Al/²⁷ Al RATIOS. Astrophysical Journal Letters, 2010, 711, L117-L121.	3.0	67
54	Ion Microscopy with Resonant Ionization Mass Spectrometry: Time-of-Flight Depth Profiling with Improved Isotopic Precision. European Journal of Mass Spectrometry, 2010, 16, 373-377.	0.5	2

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55	Early Solar System Chronology. Science, 2009, 325, 951-952.	6.0	1
56	Resonance ionization mass spectrometry for precise measurements of isotope ratios. International Journal of Mass Spectrometry, 2009, 288, 36-43.	0.7	47
57	Origin and chronology of chondritic components: A review. Geochimica Et Cosmochimica Acta, 2009, 73, 4963-4997.	1.6	171
58	Timescales for the evolution of oxygen isotope compositions in the solar nebula. Geochimica Et Cosmochimica Acta, 2009, 73, 4998-5017.	1.6	53
59	Isotopic records in CM hibonites: Implications for timescales of mixing of isotope reservoirs in the solar nebula. Geochimica Et Cosmochimica Acta, 2009, 73, 5051-5079.	1.6	113
60	Silicon isotopic fractionation of CAI-like vacuum evaporation residues. Geochimica Et Cosmochimica Acta, 2009, 73, 6390-6401.	1.6	46
61	Limitations and lessons in the use of X-ray structural information in drug design. Drug Discovery Today, 2008, 13, 831-841.	3.2	146
62	An Alternative Method for the Evaluation of Docking Performance: RSR vs RMSD. Journal of Chemical Information and Modeling, 2008, 48, 1411-1422.	2.5	166
63	Nickel isotopic anomalies in troilite from iron meteorites. Geophysical Research Letters, 2008, 35, .	1.5	17
64	Oxygen in the Sun. Reviews in Mineralogy and Geochemistry, 2008, 68, 73-92.	2.2	10
65	Multiple Generations of Refractory Inclusions in the Metalâ€Rich Carbonaceous Chondrites Acfer 182/214 and Isheyevo. Astrophysical Journal, 2008, 672, 713-721.	1.6	78
66	Presolar SiC Grains and Rare Earth Element Production in AGB Stars. AIP Conference Proceedings, 2008, , .	0.3	0
67	¹⁷⁶Lu/¹⁷⁶Hf: A Sensitive Test ofsâ€Process Temperature and Neutron Density in AGB Stars. Astrophysical Journal, 2008, 673, 434-444.	1.6	31
68	Iron 60 Evidence for Early Injection and Efficient Mixing of Stellar Debris in the Protosolar Nebula. Astrophysical Journal, 2008, 686, 560-569.	1.6	92
69	Thermal beam of metastable krypton atoms produced by optical excitation. Review of Scientific Instruments, 2007, 78, 023103.	0.6	19
70	Elemental and isotopic fractionation of Type B CAI-like liquids by evaporation. Geochimica Et Cosmochimica Acta, 2007, 71, 5544-5564.	1.6	128
71	Constraining the ¹³C neutron source in AGB stars through isotopic analysis of trace elements in presolar SiC. Meteoritics and Planetary Science, 2007, 42, 1103-1119.	0.7	48
72	Massâ€dependent fractionation of nickel isotopes in meteoritic metal. Meteoritics and Planetary Science, 2007, 42, 2067-2077.	0.7	31

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73	GEMS at the Galactic Cosmic-Ray Source. Space Science Reviews, 2007, 130, 451-456.	3.7	2
74	GEMS at the Galactic Cosmic-Ray Source. Space Sciences Series of ISSI, 2007, , 451-456.	0.0	1
75	Conditions in the protoplanetary disk as seen by the type B CAIs. Meteoritics and Planetary Science, 2006, 41, 83-93.	0.7	43
76	High Precision Measurements of Non-Mass-Dependent Effects in Nickel Isotopes in Meteoritic Metal via Multicollector ICPMS. Analytical Chemistry, 2006, 78, 8477-8484.	3.2	36
77	Formation of vesicles in asteroidal basaltic meteorites. Earth and Planetary Science Letters, 2006, 246, 102-108.	1.8	41
78	Crystallization of melilite from CMAS-liquids and the formation of the melilite mantle of Type B1 CAIs: Experimental simulations. Geochimica Et Cosmochimica Acta, 2006, 70, 2622-2642.	1.6	31
79	The Search for Supernova Grains in an Ice Core. Astrophysical Journal, 2006, 652, 1763-1767.	1.6	3
80	Mixing and differentiation in the Oruanui rhyolitic magma, Taupo, New Zealand: evidence from volatiles and trace elements in melt inclusions. Contributions To Mineralogy and Petrology, 2006, 151, 71-87.	1.2	97
81	Beam of metastable krypton atoms extracted from a microwave-driven discharge. Review of Scientific Instruments, 2006, 77, 126105.	0.6	10
82	The Search for Supernova Signatures in an Ice Core. Nuclear Physics A, 2005, 758, 276-279.	0.6	1
83	A breath of solar air. Nature, 2005, 434, 577-578.	13.7	1
84	Components of Successful Lead Generation. Current Topics in Medicinal Chemistry, 2005, 5, 421-439.	1.0	122
85	A unique type B inclusion from Allende with evidence for multiple stages of melting. Meteoritics and Planetary Science, 2005, 40, 461-475.	0.7	14
86	Extinct Technetium in Silicon Carbide Stardust Grains: Implications for Stellar Nucleosynthesis. Science, 2004, 303, 649-652.	6.0	77
87	Clues from Fe Isotope Variations on the Origin of Early Archean BIFs from Greenland. Science, 2004, 306, 2077-2080.	6.0	254
88	Predictive ADMET studies, the challenges and the opportunities. Current Opinion in Chemical Biology, 2004, 8, 378-386.	2.8	98
89	Chromatographic Separation and Multicollection-ICPMS Analysis of Iron. Investigating Mass-Dependent and -Independent Isotope Effects. Analytical Chemistry, 2004, 76, 5855-5863.	3.2	150
90	The cosmic molybdenumâ€“ruthenium isotope correlation. Earth and Planetary Science Letters, 2004, 226, 465-475.	1.8	159

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91	Drug-like properties: guiding principles for design â€“ or chemical prejudice?. Drug Discovery Today: Technologies, 2004, 1, 189-195.	4.0	71
92	Application and Limitations of X-Ray Crystallographic Data in Structure-Based Ligand and Drug Design.. ChemInform, 2003, 34, no.	0.1	1
93	Application and Limitations of X-ray Crystallographic Data in Structure-Based Ligand and Drug Design. Angewandte Chemie - International Edition, 2003, 42, 2718-2736.	7.2	331
94	Minute steps on the quest of the s-process. Nuclear Physics A, 2003, 718, 181-188.	0.6	8
95	Differentiation history of the mesosiderite parent body: constraints from trace elements and manganese-chromium isotope systematics in Vaca Muerta silicate clasts. Geochimica Et Cosmochimica Acta, 2003, 67, 5047-5069.	1.6	37
96	Extinct 10Be in Type A calcium-aluminum-rich inclusions from CV chondrites. Geochimica Et Cosmochimica Acta, 2003, 67, 3165-3179.	1.6	95
97	Analyzing individual presolar grains with CHARISMA. Geochimica Et Cosmochimica Acta, 2003, 67, 3215-3225.	1.6	75
98	Barium isotopes in individual presolar silicon carbide grains from the Murchison meteorite. Geochimica Et Cosmochimica Acta, 2003, 67, 3201-3214.	1.6	73
99	Isotope fractionation by chemical diffusion between molten basalt and rhyolite. Geochimica Et Cosmochimica Acta, 2003, 67, 3905-3923.	1.6	401
100	Isotopic Compositions of Strontium, Zirconium, Molybdenum, and Barium in Single Presolar SiC Grains and Asymptotic Giant Branch Stars. Astrophysical Journal, 2003, 593, 486-508.	1.6	182
101	Short-Lived Nuclides in Hibonite Grains from Murchison: Evidence for Solar System Evolution. Science, 2002, 298, 2182-2185.	6.0	92
102	Elemental and isotopic fractionation of Type B calcium-, aluminum-rich inclusions: experiments, theoretical considerations, and constraints on their thermal evolution. Geochimica Et Cosmochimica Acta, 2002, 66, 521-540.	1.6	177
103	Energetics of multicomponent diffusion in molten CaO-Al 2 O 3 -SiO 2. Geochimica Et Cosmochimica Acta, 2002, 66, 635-646.	1.6	31
104	A hibonitеâ€corundum inclusion from Murchison: A firstâ€generation condensate from the solar nebula. Meteoritics and Planetary Science, 2002, 37, 533-548.	0.7	56
105	Is There a Difference between Leads and Drugs? A Historical Perspective. Journal of Chemical Information and Computer Sciences, 2001, 41, 1308-1315.	2.8	738
106	Formation of orange hibonite, as inferred from some Allende inclusions. Meteoritics and Planetary Science, 2001, 36, 331-350.	0.7	20
107	Chemical and isotopic fractionation during the evaporation of the FeO-MgO-SiO2-CaO-Al2O3-TiO2 rare earth element melt system. Geochimica Et Cosmochimica Acta, 2001, 65, 479-494.	1.6	116
108	Zoned quartz phenocrysts from the rhyolitic Bishop Tuff. American Mineralogist, 2001, 86, 1034-1052.	0.9	105

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109	Evolution of Bishop Tuff Rhyolitic Magma Based on Melt and Magnetite Inclusions and Zoned Phenocrysts. Journal of Petrology, 2000, 41, 449-473.	1.1	234
110	K, Mg, Ti and Ca isotopic compositions and refractory trace element abundances in hibonites from CM and CV meteorites: implications for early solar system processes. Geochimica Et Cosmochimica Acta, 2000, 64, 1989-2005.	1.6	67
111	Trace element partitioning between plagioclase and melt: investigation of dopant influence on partition behavior. Geochimica Et Cosmochimica Acta, 2000, 64, 2863-2878.	1.6	164
112	Major element chemical and isotopic compositions of refractory inclusions in C3 chondrites: the separate roles of condensation and evaporation. Geochimica Et Cosmochimica Acta, 2000, 64, 2879-2894.	1.6	131
113	Refractory inclusions from the ungrouped carbonaceous chondrites MacAlpine Hills 87300 and 88107. Meteoritics and Planetary Science, 2000, 35, 1051-1066.	0.7	25
114	400 my of Basic Magmatism in a Single Lithospheric Block during Cratonization: Ion Microprobe Study of Plagioclase Megacrysts in Mafic Rocks from Transbaikalia, Russia. Journal of Petrology, 1999, 40, 807-830.	1.1	6
115	The Design of Leadlike Combinatorial Libraries. Angewandte Chemie - International Edition, 1999, 38, 3743-3748.	7.2	719
116	Evaporation of single crystal forsterite: evaporation kinetics, magnesium isotope fractionation, and implications of mass-dependent isotopic fractionation of a diffusion-controlled reservoir. Geochimica Et Cosmochimica Acta, 1999, 63, 953-966.	1.6	74
117	Origin of compact type A refractory inclusions from CV3 carbonaceous chondrites. Geochimica Et Cosmochimica Acta, 1999, 63, 1233-1248.	1.6	75
118	Isotope fractionation by diffusion in molten oxides. Geochimica Et Cosmochimica Acta, 1999, 63, 2853-2861.	1.6	148
119	Gradients in H2O, CO2, and exsolved gas in a large-volume silicic magma system: Interpreting the record preserved in melt inclusions from the Bishop Tuff. Journal of Geophysical Research, 1999, 104, 20097-20122.	3.3	216
120	The Design of Leadlike Combinatorial Libraries. , 1999, 38, 3743.		4
121	The Design of Leadlike Combinatorial Libraries. , 1999, 38, 3743.		6
122	A stellar origin for the short-lived nuclides in the early Solar System. Nature, 1998, 391, 559-561.	13.7	101
123	Molybdenum Isotopic Composition of Individual Presolar Silicon Carbide Grains from the Murchison Meteorite. Geochimica Et Cosmochimica Acta, 1998, 62, 1093-1104.	1.6	114
124	Ion Microprobe Study of Plagioclase-Basalt Partition Experiments at Natural Concentration Levels of Trace Elements. Geochimica Et Cosmochimica Acta, 1998, 62, 1175-1193.	1.6	409
125	Strontium Isotopic Composition in Individual Circumstellar Silicon Carbide Grains: A Record ofs-Process Nucleosynthesis. Physical Review Letters, 1998, 81, 3583-3586.	2.9	70
126	Zirconium and Molybdenum in Individual Circumstellar Graphite Grains: New Isotopic Data on the Nucleosynthesis of Heavy Elements. Astrophysical Journal, 1998, 504, 492-499.	1.6	70

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127	Isotopic Analysis of Ca from Extraterrestrial Micrometer-Sized SiC by Laser Desorption and Resonant Ionization Mass Spectroscopy. Analytical Chemistry, 1997, 69, 1140-1146.	3.2	26
128	s-Process Zirconium in Presolar Silicon Carbide Grains. Science, 1997, 277, 1281-1284.	6.0	133
129	Contrasting styles of hydrous metasomatism in the upper mantle: An ion microprobe investigation. Geochimica Et Cosmochimica Acta, 1996, 60, 1367-1385.	1.6	38
130	Diffusion in silicate melts: I. Self diffusion in CaOAl 20 3SiO 2 at 1500Â°C and 1 GPa. Geochimica Et Cosmochimica Acta, 1996, 60, 4353-4367.	1.6	113
131	A unique ultrarefractory inclusion from the Murchison meteorite. Meteoritics and Planetary Science, 1996, 31, 106-115.	0.7	36
132	Surface Analysis by SNMS: Femtosecond Laser Postionization of Sputtered and Laser Desorbed Atoms. Surface and Interface Analysis, 1996, 24, 363-370.	0.8	31
133	The distribution of aluminumâ€26 in the early Solar Systemâ€”A reappraisal. Meteoritics, 1995, 30, 365-386.	1.5	511
134	Quantification of pre-eruptive exsolved gas contents in silicic magmas. Nature, 1995, 377, 612-616.	13.7	168
135	Diffusional Gradients at the Crystal/Melt Interface and Their Effect on the Compositions of Melt Inclusions. Journal of Geology, 1995, 103, 591-597.	0.7	63
136	New instrument for microbeam analysis incorporating submicron imaging and resonance ionization mass spectrometry. Review of Scientific Instruments, 1995, 66, 3168-3176.	0.6	48
137	Refractory inclusions in the prototypical CM chondrite, Mighei. Geochimica Et Cosmochimica Acta, 1994, 58, 5599-5625.	1.6	105
138	Three-Color and 1 + 1 Resonance Ionization Mass Spectrometry of Zirconium Sputtered from Refractory Carbides. Analytical Chemistry, 1994, 66, 2647-2655.	3.2	7
139	Isotopically distinct reservoirs in the solar nebula: Isotope anomalies in Vigarano meteorite inclusions. Astrophysical Journal, 1994, 436, L193.	1.6	55
140	Joesmithite, a plumbous amphibole revisited and comments on bond valences. Mineralogy and Petrology, 1993, 48, 97-113.	0.4	22
141	A petrologic and ion microprobe study of a Vigarano Type B refractory inclusion: Evolution by multiple stages of alteration and melting. Geochimica Et Cosmochimica Acta, 1993, 57, 231-243.	1.6	102
142	Melt inclusions and crystal-liquid separation in rhyolitic magma of the Bishop Tuff. Contributions To Mineralogy and Petrology, 1992, 110, 113-120.	1.2	43
143	Melt solidification and late-stage evaporation in the evolution of a FUN inclusion from the Vigarano C3V chondrite. Geochimica Et Cosmochimica Acta, 1991, 55, 621-637.	1.6	78
144	Fassaite composition trends during crystallization of Allende Type B refractory inclusion melts. Geochimica Et Cosmochimica Acta, 1991, 55, 2635-2655.	1.6	97

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145	Isotope mass fractionation during evaporation of Mg2Si04. Nature, 1990, 347, 655-658.	13.7	193
146	A chemical and isotopic study of hibonite-rich refractory inclusions in primitive meteorites. Geochimica Et Cosmochimica Acta, 1988, 52, 2573-2598.	1.6	100
147	Large negative Ti-50 anomalies in refractory inclusions from the Murchison carbonaceous chondrite - Evidence for incomplete mixing of neutron-rich supernova ejecta into the solar system. Astrophysical Journal, 1987, 313, 420.	1.6	47
148	INAA determination of holmium in submilligram samples of cosmochemical and geochemical interest and the second-order activation interference. Journal of Radioanalytical and Nuclear Chemistry, 1986, 102, 227-238.	0.7	5
149	Two forsterite-bearing FUN inclusions in the Allende meteorite. Geochimica Et Cosmochimica Acta, 1984, 48, 535-548.	1.6	74
150	Chemical compositions of refractory inclusions in the Murchison C2 chondrite. Geochimica Et Cosmochimica Acta, 1984, 48, 2089-2105.	1.6	35
151	Chemical composition of HAL, an isotopically-unusual Allende inclusion. Geochimica Et Cosmochimica Acta, 1982, 46, 1627-1651.	1.6	90
152	Condensation and fractionation of rare earths in the solar nebula. Geochimica Et Cosmochimica Acta, 1979, 43, 1611-1632.	1.6	146
153	Chemical characterization of a â€œmysteriteâ€•bearing clast from the Supuhee chondrite. Geochimica Et Cosmochimica Acta, 1977, 41, 853-856.	1.6	13
154	Yes, Kakangari is a unique chondrite. Nature, 1977, 265, 230-232.	13.7	34