

# Edward D Young

## List of Publications by Year in descending order

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143  
papers

9,747  
citations

36271

51  
h-index

40954

93  
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144  
all docs

144  
docs citations

144  
times ranked

6569  
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	Titanium isotope systematics of refractory inclusions: Echoes of molecular cloud heterogeneity. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 324, 44-65.	1.6	7
3	Isotope velocimetry: Experimental and theoretical demonstration of the potential importance of gas flow for isotope fractionation during evaporation of protoplanetary material. <i>Earth and Planetary Science Letters</i> , 2022, 589, 117575.	1.8	4
4	Chemical Equilibrium between Cores, Mantles, and Atmospheres of Super-Earths and Sub-Neptunes and Implications for Their Compositions, Interiors, and Evolution. <i>Planetary Science Journal</i> , 2022, 3, 127.	1.5	21
5	$^{13}\text{C}$ and $^{15}\text{N}$ isotopic signatures of interstellar grains: Evidence for the presence of organic matter in the interstellar medium. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 294, 315-334.	1.6	31
6	High-resolution, long-term isotopic and isotopologue variation identifies the sources and sinks of methane in a deep subsurface carbon cycle. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 294, 315-334.	1.6	31
7	Mass Dependence of Equilibrium Oxygen Isotope Fractionation in Carbonate, Nitrate, Oxide, Perchlorate, Phosphate, Silicate, and Sulfate Minerals. <i>Reviews in Mineralogy and Geochemistry</i> , 2021, 86, 137-178.	2.2	23
8	Experimental determination of the effect of Cr on Mg isotope fractionation between spinel and forsterite. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 296, 152-169.	1.6	9
9	Discovery of Beryllium in White Dwarfs Polluted by Planetesimal Accretion. <i>Astrophysical Journal</i> , 2021, 914, 61.	1.6	25
10	Geochemical, Biological, and Clumped Isotopologue Evidence for Substantial Microbial Methane Production Under Carbon Limitation in Serpentinites of the Samail Ophiolite, Oman. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006025.	1.3	19
11	Icy Exomoons Evidenced by Spallogenic Nuclides in Polluted White Dwarfs. <i>Astrophysical Journal Letters</i> , 2021, 907, L35.	3.0	18
12	Planetary Evaporation. <i>Elements</i> , 2021, 17, 401-406.	0.5	5
13	Ceres: Astrobiological Target and Possible Ocean World. <i>Astrobiology</i> , 2020, 20, 269-291.	1.5	43
14	An assessment of iron isotope fractionation during core formation. <i>Chemical Geology</i> , 2020, 554, 119800.	1.4	9
15	Low $\delta^{13}\text{C}$ values in microbial methane result from CO <sub>2</sub> . <i>Geochimica Et Cosmochimica Acta</i> , 2020, 285, 225-236.	1.6	29
16	Hydrothermal $^{15}\text{N}$ abundances constrain the origins of mantle nitrogen. <i>Nature</i> , 2020, 580, 367-371.	13.7	50
17	Where Are the Extrasolar Mercuries?. <i>Astrophysical Journal</i> , 2020, 901, 10.	1.6	14
18	Evaporation from the Lunar Magma Ocean Was Not the Mechanism for Fractionation of the Moon's Moderately Volatile Elements. <i>Planetary Science Journal</i> , 2020, 1, 49.	1.5	14

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19	Oxygen fugacities of extrasolar rocks: Evidence for an Earth-like geochemistry of exoplanets. <i>Science</i> , 2019, 366, 356-359.	6.0	87
20	The first samples from Almahata Sitta showing contacts between ureilitic and chondritic lithologies: Implications for the structure and composition of asteroid 2008 TC <sub>3</sub> . <i>Meteoritics and Planetary Science</i> , 2019, 54, 2769-2813.	0.7	32
21	A Two-Dimensional Perspective on CH <sub>4</sub> Isotope Clumping. , 2019, , 388-414.		18
22	Near-equilibrium isotope fractionation during planetesimal evaporation. <i>Icarus</i> , 2019, 323, 1-15.	1.1	84
23	Effects of Improved <sup>17</sup> O Correction on Interlaboratory Agreement in Clumped Isotope Calibrations, Estimates of Mineral-Specific Offsets, and Temperature Dependence of Acid Digestion Fractionation. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3495-3519.	1.0	134
24	In Situ Quantification of Biological N <sub>2</sub> Production Using Naturally Occurring <sup>15</sup> N <sub>2</sub> . <i>Environmental Science &amp; Technology</i> , 2019, 53, 5168-5175.	4.6	14
25	Exoplanetary oxygen fugacities from polluted white dwarf stars. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 28-32.	0.0	1
26	Compositions of Planetary Debris around Dusty White Dwarfs. <i>Astronomical Journal</i> , 2019, 158, 242.	1.9	48
27	Iron isotope constraints on planetesimal core formation in the early solar system. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 246, 461-477.	1.6	14
28	Methane sources and sinks in continental sedimentary systems: New insights from paired clumped isotopologues <sup>13</sup> CH <sub>3</sub> D and <sup>12</sup> CH <sub>2</sub> D <sub>2</sub> . <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 327-351.	1.6	65
29	Water and the Interior Structure of Terrestrial Planets and Icy Bodies. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	33
30	Characterizing the Chemistry of Planetary Materials Around White Dwarf Stars. , 2018, , 1545-1566.		6
31	The birth environment of the solar system constrained by the relative abundances of the solar radionuclides. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 70-77.	0.0	4
32	Water and the Interior Structure of Terrestrial Planets and Icy Bodies. <i>Space Sciences Series of ISSI</i> , 2018, , 343-375.	0.0	0
33	Early formation of the Moon 4.51 billion years ago. <i>Science Advances</i> , 2017, 3, e1602365.	4.7	156
34	The relative abundances of resolved <sup>12</sup> CH <sub>2</sub> D <sub>2</sub> and <sup>13</sup> CH <sub>3</sub> D and mechanisms controlling isotopic bond ordering in abiotic and biotic methane gases. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 203, 235-264.	1.6	125
35	The Chemical Composition of an Extrasolar Kuiper-Belt-Object*. <i>Astrophysical Journal Letters</i> , 2017, 836, L7.	3.0	112
36	Uniform Silicon Isotope Ratios Across the Milky Way Galaxy. <i>Astrophysical Journal</i> , 2017, 839, 123.	1.6	11

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37	Quantification of oxygen isotope SIMS matrix effects in olivine samples: Correlation with sputter rate. <i>Chemical Geology</i> , 2017, 458, 14-21.	1.4	39
38	Origin and Evolution of Volatile-rich Asteroids. , 2017, , 92-114.		11
39	Silicate Melting and Volatile Loss During Differentiation in Planetesimals. , 2017, , 115-135.		8
40	Evaporating planetesimals. <i>Nature</i> , 2017, 549, 461-462.	13.7	3
41	A model for $^{12}\text{C}/^{13}\text{C}$ and $^{2}\text{D}/^{3}\text{D}$ as complementary tracers for the budget of atmospheric $\text{CH}_4$ . <i>Global Biogeochemical Cycles</i> , 2017, 31, 1387-1407.	1.9	19
42	Extreme enrichment in atmospheric $^{15}\text{N}$ . <i>Science Advances</i> , 2017, 3, eaao6741.	4.7	31
43	Calcium and titanium isotope fractionation in refractory inclusions: Tracers of condensation and inheritance in the early solar protoplanetary disk. <i>Earth and Planetary Science Letters</i> , 2017, 472, 277-288.	1.8	50
44	Characterizing the Chemistry of Planetary Materials Around White Dwarf Stars. , 2017, , 1-22.		1
45	A large-radius high-mass-resolution multiple-collector isotope ratio mass spectrometer for analysis of rare isotopologues of $\text{O}_2$ , $\text{N}_2$ , $\text{CH}_4$ and other gases. <i>International Journal of Mass Spectrometry</i> , 2016, 401, 1-10.	0.7	68
46	Argon, oxygen, and boron isotopic evidence documenting $^{40}\text{Ar}$ accumulation in phengite during water-rich high-pressure subduction metasomatism of continental crust. <i>Earth and Planetary Science Letters</i> , 2016, 446, 56-67.	1.8	30
47	BAYES'S THEOREM AND EARLY SOLAR SHORT-LIVED RADIONUCLIDES: THE CASE FOR AN UNEXCEPTIONAL ORIGIN FOR THE SOLAR SYSTEM. <i>Astrophysical Journal</i> , 2016, 826, 129.	1.6	24
48	Isotopic ordering in atmospheric $\text{O}_2$ as a tracer of ozone photochemistry and the tropical atmosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,541.	1.2	15
49	Oxygen isotopic evidence for vigorous mixing during the Moon-forming giant impact. <i>Science</i> , 2016, 351, 493-496.	6.0	203
50	Citation for presentation of the 2015 F. W. Clarke Award to Anat Shahar. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 172, 466-467.	1.6	0
51	HETEROGENEITY IN $^{12}\text{C}/^{13}\text{C}$ ABUNDANCE RATIOS TOWARD SOLAR-TYPE YOUNG STELLAR OBJECTS. <i>Astrophysical Journal</i> , 2015, 813, 120.	1.6	37
52	High-temperature equilibrium isotope fractionation of non-traditional stable isotopes: Experiments, theory, and applications. <i>Chemical Geology</i> , 2015, 395, 176-195.	1.4	163
53	EVIDENCE FOR AN ANHYDROUS CARBONACEOUS EXTRASOLAR MINOR PLANET. <i>Astrophysical Journal</i> , 2015, 799, 109.	1.6	39
54	Crystal chemical constraints on inter-mineral Fe isotope fractionation and implications for Fe isotope disequilibrium in San Carlos mantle xenoliths. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 154, 168-185.	1.6	57

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55	Short time interval for condensation of high-temperature silicates in the solar accretion disk. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1298-1303.	3.3	33
56	Biological signatures in clumped isotopes of O <sub>2</sub> . Science, 2015, 348, 431-434.	6.0	58
57	Silicon isotope systematics of acidic weathering of fresh basalts, Kilauea Volcano, Hawaii <sup>TM</sup> . Geochimica Et Cosmochimica Acta, 2015, 169, 63-81.	1.6	16
58	Accretion and differentiation of the terrestrial planets with implications for the compositions of early-formed Solar System bodies and accretion of water. Icarus, 2015, 248, 89-108.	1.1	328
59	High-precision determination of <sup>13</sup> C- <sup>18</sup> O bonds in CO <sub>2</sub> using multicollector peak hopping. Rapid Communications in Mass Spectrometry, 2014, 28, 1185-1193.	0.7	6
60	Rapid photochemical equilibration of isotope bond ordering in O <sub>2</sub> . Journal of Geophysical Research D: Atmospheres, 2014, 119, 10552-10566.	1.2	21
61	A PILOT SEARCH FOR EVIDENCE OF EXTRASOLAR EARTH-ANALOG PLATE TECTONICS. Astrophysical Journal Letters, 2014, 791, L29.	3.0	31
62	On the <sup>17</sup> O budget of atmospheric O <sub>2</sub> . Geochimica Et Cosmochimica Acta, 2014, 135, 102-125.	1.6	62
63	Implications of high-precision measurements of <sup>13</sup> C- <sup>18</sup> O bond ordering in CO <sub>2</sub> for thermometry in modern bivalved mollusc shells. Geochimica Et Cosmochimica Acta, 2014, 142, 400-410.	1.6	22
64	Eoarchean crustal evolution of the Jack Hills zircon source and loss of Hadean crust. Geochimica Et Cosmochimica Acta, 2014, 146, 27-42.	1.6	59
65	Inheritance of solar short- and long-lived radionuclides from molecular clouds and the unexceptional nature of the solar system. Earth and Planetary Science Letters, 2014, 392, 16-27.	1.8	59
66	Extrasolar Cosmochemistry. Annual Review of Earth and Planetary Sciences, 2014, 42, 45-67.	4.6	210
67	SIMS Pb-Pb and U-Pb age determination of eucrite zircons at 5-1/4m scale and the first 50Ma of the thermal history of Vesta. Geochimica Et Cosmochimica Acta, 2013, 110, 152-175.	1.6	74
68	Experimental determination of equilibrium magnesium isotope fractionation between spinel, forsterite, and magnesite from 600 to 800 Å°C. Geochimica Et Cosmochimica Acta, 2013, 118, 18-32.	1.6	49
69	Reclassification of Villalbeto de la Peña Occurrence of a winonaite-related fragment in a hydrothermally metamorphosed polymict L-chondritic breccia. Meteoritics and Planetary Science, 2013, 48, 628-640.	0.7	26
70	<sup>26</sup> Al IN THE EARLY SOLAR SYSTEM: NOT SO UNUSUAL AFTER ALL. Astrophysical Journal Letters, 2013, 775, L41.	3.0	65
71	Early Solar System hydrothermal activity in chondritic asteroids on 1-10-year timescales. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18306-18311.	3.3	40
72	Impact of diatom-diazotroph associations on carbon export in the Amazon River plume. Geophysical Research Letters, 2012, 39, .	1.5	53

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73	Radar-Enabled Recovery of the Sutterâ€™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. <i>Science</i> , 2012, 338, 1583-1587.	6.0	191
74	Response to the Comment by S.B. Simon, L. Grossman, and S.R. Sutton on "Valence state of titanium in the Wark-Lovering rim of a Leoville CAI as a record of progressive oxidation in the early Solar Nebula" <i>Geochimica Et Cosmochimica Acta</i> , 2012, 85, 377-382.	1.6	4
75	Experimental determination of equilibrium nickel isotope fractionation between metal and silicate from 500Â°C to 950Â°C. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 86, 276-295.	1.6	45
76	Measurements of $^{18}\text{O}/^{18}\text{O}$ and $^{17}\text{O}/^{18}\text{O}$ in the atmosphere and the role of isotope exchange reactions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	55
77	Valence state of titanium in the Warkâ€™Lovering rim of a Leoville CAI as a record of progressive oxidation in the early Solar Nebula. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 937-949.	1.6	14
78	Early Archean crustal evolution of the Jack Hills Zircon source terrane inferred from Luâ€™Hf, $^{207}\text{Pb}/^{206}\text{Pb}$ , and $^{18}\text{O}$ systematics of Jack Hills zircons. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4816-4829.	1.6	76
79	High-temperature Si isotope fractionation between iron metal and silicate. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7688-7697.	1.6	82
80	Resetting, errorchrons and the meaning of canonical CAI initial $^{26}\text{Al}/^{27}\text{Al}$ values. <i>Earth and Planetary Science Letters</i> , 2011, 304, 468-482.	1.8	18
81	ASTRONOMICAL OXYGEN ISOTOPIC EVIDENCE FOR SUPERNOVA ENRICHMENT OF THE SOLAR SYSTEM BIRTH ENVIRONMENT BY PROPAGATING STAR FORMATION. <i>Astrophysical Journal</i> , 2011, 729, 43.	1.6	26
82	Stable Isotope Cosmochemistry and the Evolution of Planetary Systems. <i>Elements</i> , 2011, 7, 23-28.	0.5	8
83	Electrochemically controlled iron isotope fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 809-817.	1.6	13
84	Effect of temperature and mass transport on transition metal isotope fractionation during electroplating. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5187-5201.	1.6	15
85	Effects of changing solution chemistry on $\text{Fe}^{3+}/\text{Fe}^{2+}$ isotope fractionation in aqueous $\text{Fe}^{2+}\text{Cl}^{-}$ solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6669-6689.	1.6	66
86	Metalâ€™silicate silicon isotope fractionation in enstatite meteorites and constraints on Earth's core formation. <i>Earth and Planetary Science Letters</i> , 2010, 295, 487-496.	1.8	90
87	HIGH-PRECISION $\text{C}^{17}\text{O}$ , $\text{C}^{18}\text{O}$ , AND $\text{C}^{16}\text{O}$ MEASUREMENTS IN YOUNG STELLAR OBJECTS: ANALOGUES FOR CO SELF-SHIELDING IN THE EARLY SOLAR SYSTEM. <i>Astrophysical Journal</i> , 2009, 701, 163-175.	1.6	60
88	Comment on "Experimental Test of Self-Shielding in Vacuum Ultraviolet Photodissociation of $\text{CO}_2$ " <i>Science</i> , 2009, 324, 1516-1516.	6.0	13
89	Experimentally determined Si isotope fractionation between silicate and Fe metal and implications for Earth's core formation. <i>Earth and Planetary Science Letters</i> , 2009, 288, 228-234.	1.8	115
90	Spinelâ€™olivine magnesium isotope thermometry in the mantle and implications for the Mg isotopic composition of Earth. <i>Earth and Planetary Science Letters</i> , 2009, 288, 524-533.	1.8	142

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91	Iron isotope electroplating: Diffusion-limited fractionation. <i>Chemical Geology</i> , 2009, 267, 131-138.	1.4	15
92	Experimental studies of equilibrium iron isotope fractionation in ferric aquo-chloro complexes. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2366-2381.	1.6	51
93	Mass-independent Oxygen Isotope Variation in the Solar Nebula. <i>Reviews in Mineralogy and Geochemistry</i> , 2008, 68, 187-218.	2.2	18
94	Equilibrium high-temperature Fe isotope fractionation between fayalite and magnetite: An experimental calibration. <i>Earth and Planetary Science Letters</i> , 2008, 268, 330-338.	1.8	145
95	Size scales over which ordinary chondrites and their parent asteroids are homogeneous in oxidation state and oxygen-isotopic composition. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 948-958.	1.6	8
96	The SPICE carbon isotope excursion in Siberia: a combined study of the upper Middle Cambrian-lowermost Ordovician Kulyumbe River section, northwestern Siberian Platform. <i>Geological Magazine</i> , 2008, 145, 609-622.	0.9	98
97	9. Mass-independent Oxygen Isotope Variation in the Solar Nebula. , 2008, , 187-218.		12
98	Carbon isotope stratigraphy of the Precambrian-Cambrian Sukharikha River section, northwestern Siberian platform. <i>Geological Magazine</i> , 2007, 144, 609-618.	0.9	71
99	Magnesium isotopic constraints on the origin of C <sub>B</sub> chondrites. <i>Earth and Planetary Science Letters</i> , 2007, 256, 521-533.	1.8	40
100	Astrophysics of CAI formation as revealed by silicon isotope LA-MC-ICPMS of an igneous CAI. <i>Earth and Planetary Science Letters</i> , 2007, 257, 497-510.	1.8	62
101	Time-dependent oxygen isotopic effects of CO self shielding across the solar protoplanetary disk. <i>Earth and Planetary Science Letters</i> , 2007, 262, 468-483.	1.8	35
102	Lead isotopes by LA-MC-ICPMS: Tracking the emergence of mantle signatures in an evolving silicic magma system. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 2014-2035.	1.6	52
103	Constraints on Hadean zircon protoliths from oxygen isotopes, Ti-thermometry, and rare earth elements. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	1.0	160
104	GEOCHEMISTRY: Strange Water in the Solar System. <i>Science</i> , 2007, 317, 211-212.	6.0	17
105	Comet 81P/Wild 2 Under a Microscope. <i>Science</i> , 2006, 314, 1711-1716.	6.0	848
106	GC/Multiple Collector-ICPMS Method for Chlorine Stable Isotope Analysis of Chlorinated Aliphatic Hydrocarbons. <i>Analytical Chemistry</i> , 2006, 78, 4663-4667.	3.2	55
107	Isotopic Compositions of Cometary Matter Returned by Stardust. <i>Science</i> , 2006, 314, 1724-1728.	6.0	343
108	CO self-shielding as the origin of oxygen isotope anomalies in the early solar nebula. <i>Nature</i> , 2005, 435, 317-320.	13.7	349

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109	Pre-Tommotian age of the lower Pestrosvet Formation in the Selinde section on the Siberian platform: carbon isotopic evidence. <i>Geological Magazine</i> , 2005, 142, 319-325.	0.9	37
110	Supra-Canonical $^{26}\text{Al}/^{27}\text{Al}$ and the Residence Time of CAIs in the Solar Protoplanetary Disk. <i>Science</i> , 2005, 308, 223-227.	6.0	147
111	The isotopic effects of electron transfer: An explanation for Fe isotope fractionation in nature. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2971-2979.	1.6	50
112	Planetesimal sulfate and aqueous alteration in CM and CI carbonaceous chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 4167-4172.	1.6	46
113	A short timescale for changing oxygen fugacity in the solar nebula revealed by high-resolution $^{26}\text{Al}$ - $^{26}\text{Mg}$ dating of CAI rims. <i>Earth and Planetary Science Letters</i> , 2005, 238, 272-283.	1.8	66
114	6. The Isotope Geochemistry and Cosmochemistry of Magnesium. , 2004, , 197-230.		32
115	The Isotope Geochemistry and Cosmochemistry of Magnesium. <i>Reviews in Mineralogy and Geochemistry</i> , 2004, 55, 197-230.	2.2	298
116	Conditions for pore water convection within carbonaceous chondrite parent bodies – implications for planetesimal size and heat production. <i>Earth and Planetary Science Letters</i> , 2003, 213, 249-259.	1.8	83
117	Mg isotope heterogeneity in the Allende meteorite measured by UV laser ablation-MC-ICPMS and comparisons with O isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 683-698.	1.6	85
118	Kinetic and equilibrium mass-dependent isotope fractionation laws in nature and their geochemical and cosmochemical significance. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 1095-1104.	1.6	774
119	Reply to comment on 'Assessing the implications of K isotope cosmochemistry for evaporation in the preplanetary solar nebula' by E. Young. <i>Earth and Planetary Science Letters</i> , 2001, 192, 101-107.	1.8	3
120	Biogeochemical data from well preserved 200 ka collagen and skeletal remains. <i>Earth and Planetary Science Letters</i> , 2001, 193, 143-149.	1.8	34
121	The hydrology of carbonaceous chondrite parent bodies and the evolution of planet progenitors. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2001, 359, 2095-2110.	1.6	80
122	Isotopic homogeneity of iron in the early solar nebula. <i>Nature</i> , 2001, 412, 311-313.	13.7	129
123	Assessing the implications of K isotope cosmochemistry for evaporation in the preplanetary solar nebula. <i>Earth and Planetary Science Letters</i> , 2000, 183, 321-333.	1.8	42
124	The Formation of Chondrules at High Gas Pressures in the Solar Nebula. , 2000, 290, 1751-1753.		154
125	Fluid Flow in Chondritic Parent Bodies: Deciphering the Compositions of Planetesimals. <i>Science</i> , 1999, 286, 1331-1335.	6.0	178
126	High-resolution $\delta^{18}\text{O}$ analysis of tooth enamel phosphate by isotope ratio monitoring gas chromatography mass spectrometry and ultraviolet laser fluorination. <i>Chemical Geology</i> , 1999, 153, 241-248.	1.4	34

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127	Non-Rayleigh oxygen isotope fractionation by mineral evaporation: theory and experiments in the system SiO <sub>2</sub> . <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 3109-3116.	1.6	64
128	Isotope-ratio-monitoring of O <sub>2</sub> for microanalysis of 18O/16O and 17O/16O in geological materials. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 3087-3094.	1.6	32
129	UV laser ablation and irm-GCMS microanalysis of 18O/16O and 17O/16O with application to a calcium-aluminium-rich inclusion from the Allende meteorite. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 3161-3168.	1.6	43
130	Oxygen Reservoirs in the Early Solar Nebula Inferred from an Allende CAI. , 1998, 282, 452-455.		211
131	Oxygen reservoirs in the early solar nebula inferred from an Allende CAI. <i>Science</i> , 1998, 282, 452-5.	6.0	3
132	In situ oxygen isotope analysis with an excimer laser using F <sub>2</sub> and BrF <sub>5</sub> reagents and O <sub>2</sub> gas as analyte. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 4229-4234.	1.6	80
133	Eliminating closure in mineral formulae with specific application to amphiboles. <i>American Mineralogist</i> , 1997, 82, 790-806.	0.9	13
134	Fluid flow in metamorphic environments. <i>Reviews of Geophysics</i> , 1995, 33, 41.	9.0	10
135	On the 18O/16O record of reaction progress in open and closed metamorphic systems. <i>Earth and Planetary Science Letters</i> , 1993, 117, 147-167.	1.8	21
136	The origin of correlated variations in in-situ and elemental concentrations in metamorphic garnet from southeastern Vermont, USA. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 2585-2597.	1.6	60
137	Geochemical evolution of Jurassic diorites from the Bristol Lake region, California, USA, and the role of assimilation. <i>Contributions To Mineralogy and Petrology</i> , 1992, 110, 68-86.	1.2	16
138	Relations among net-transfer reaction progress, 18O/13C depletion, and fluid infiltration in a clinohumite-bearing marble. <i>Contributions To Mineralogy and Petrology</i> , 1992, 111, 391-408.	1.2	13
139	Plutonism across the Tujunga-North American terrane boundary: A middle to upper crustal view of two juxtaposed magmatic arcs. <i>Proceedings of the International Conferences on Basement Tectonics</i> , 1992, , 205-230.	0.1	2
140	Petrology of Biotite-Cordierite-Garnet Gneiss of the McCullough Range, Nevada I. Evidence for Proterozoic Low-Pressure Fluid-Absent Granulite Grade Metamorphism in the Southern Cordillera. <i>Journal of Petrology</i> , 1989, 30, 39-60.	1.1	30
141	Petrology of Biotite-Cordierite-Garnet Gneiss of the McCullough Range, Nevada II. P-T-aH <sub>2</sub> O Path and Growth of Cordierite During Late Stages of Low-P Granulite-Grade Metamorphism. <i>Journal of Petrology</i> , 1989, 30, 61-78.	1.1	13
142	Mid-crustal Cretaceous roots of Cordilleran metamorphic core complexes. <i>Geology</i> , 1988, 16, 366.	2.0	73
143	Revisiting the Wasson fractional crystallization model for IIIAB iron meteorites with implications for the interpretation of their Fe isotope ratios. <i>Meteoritics and Planetary Science</i> , 0, , .	0.7	0