Alan E Rubin

List of Publications by Year
in descending order

192 papers	10,703 citations	20759 60 h-index	40881 93 g-index
202 all docs	202 docs citations	202 times ranked	2549 citing authors

#	Article	IF	Citations
1	IIE irons: Origin, relationship to ordinary chondrites, and evidence for siderophileâ€element fractionations caused by chondrule formation. Meteoritics and Planetary Science, 2022, 57, 163-184.	0.7	3
2	Impact plumeâ€formed and protoplanetary disk highâ€temperature components in CB and CH metalâ€rich carbonaceous chondrites. Meteoritics and Planetary Science, 2022, 57, 352-380.	0.7	3
3	Zolenskyite, FeCr2S4, a new sulfide mineral from the Indarch meteorite. American Mineralogist, 2022, 107, 1030-1033.	0.9	5
4	Mineralogy, petrology, and oxygenâ€isotope compositions of magnetiteâ€‰Â±â€‰fayalite assemblages in CO3, CV3, and LL3 chondrites. Meteoritics and Planetary Science, 2022, 57, 392-428.	0.7	3
5	Cooling rates and impact histories of group IAB and other IAB complex iron meteorites inferred from zoned taenite and the cloudy zone. Meteoritics and Planetary Science, 2022, 57, 238-260.	0.7	6
6	Chemical study of group IIIF iron meteorites and the potentially related pallasites Zinder and Northwest Africa 1911. Geochimica Et Cosmochimica Acta, 2022, 323, 202-219.	1.6	10
7	John T. Wasson (1934â€“2020). Meteoritics and Planetary Science, 2022, 57, 161-162.	0.7	0
8	IVA iron meteorites as late-stage crystallization products affected by multiple collisional events. Geochimica Et Cosmochimica Acta, 2022, 331, 1-17.	1.6	7
9	Benfordâ€™s law: Applications to ordinaryâ€chondrite mass distributions. Meteoritics and Planetary Science, 2021, 56, 379-392.	0.7	0
10	Evidence from phosphorus Xâ€ray mapping for a multistep process in the formation of olivine phenocrysts in FeOâ€rich porphyritic chondrules. Meteoritics and Planetary Science, 2021, 56, 1478-1501.	0.7	3
11	Definitions and Explications. , 2021, , 44-57.		0
12	Identification of Meteoritic Minerals in Reflected Light, by Backscattered Electron Imaging, and by Energy Dispersive X-Ray Spectroscopy, Wavelength-Dispersive X-Ray Spectroscopy, and Electron Backscatter Diffraction Analysis. , 2021, , 92-100.		0
13	Minerals and Meteorites. , 2021, , 1-43.		1
14	Formation of Meteoritic Minerals in Gas- and Dust-Rich Environments. , 2021, , 239-253.		0
15	Formation of Meteoritic Minerals on Parent Bodies. , 2021, , 254-316.		1
16	Properties of Minerals. , 2021, , 66-91.		0
17	Formation of Meteoritic Minerals in the Terrestrial Environment. , 2021, , 317-324.		0
18	Mineralogy of Major Physical Components of Chondrites. , 2021, , 109-152.		0

#	Article	IF	Citations
19	Cosmomineralogy. , 2021, , 200-238.		0
20	The Strange Case of the Aluminum-Copper Alloys. , 2021, , 325-327.		0
21	Petrologic and Mineralogical Characteristics of Meteorite Groups. , 2021, , 153-199.		0
22	Meteorite Classification and Taxonomy. , 2021, , 101-108.		1
23	Brief Review of Crystallography and Crystal Chemistry. , 2021, , 58-65.		0
24	Mesoscale and microscale shock effects in the LL 6 S4 chondrites Saintâ€šÃ©verin and Elbert: A tale of two breccias. Meteoritics and Planetary Science, 2020, 55, 1418-1438.	0.7	2
25	Formation and destruction of magnetite in CO3 chondrites and other chondrite groups. Chemie Der Erde, 2019, 79, 125528.	0.8	30
26	A review of higher order aberrations of the human eye. African Vision and Eye Health, 2019, 78, .	0.1	1
27	Physical, Chemical, and Petrological Characteristics of Chondritic Materials and Their Relationships to Small Solar System Bodies. , 2018, , 59-204.		7
28	Evaluation of petrologic evidence for high partial pressures of SiO_(g) in the solar nebula. Meteoritics and Planetary Science, 2018, 53, 2596-2607.	0.7	4
29	Mechanisms accounting for variations in the proportions of carbonaceous and ordinary chondrites in different mass ranges. Meteoritics and Planetary Science, 2018, 53, 2181-2192.	0.7	4
30	Carbonaceous and noncarbonaceous iron meteorites: Differences in chemical, physical, and collective properties. Meteoritics and Planetary Science, 2018, 53, 2357-2371.	0.7	41
31	Secondary melting events in Semarkona chondrules revealed by compositional zoning in low-Ca pyroxene. Geochimica Et Cosmochimica Acta, 2017, 211, 256-279.	1.6	34
32	Meteoritic minerals and their origins. Chemie Der Erde, 2017, 77, 325-385.	0.8	95
33	<scp>NWA</scp> 10214â€”An <scp>LL</scp>3 chondrite breccia with an assortment of metamorphosed, shocked, and unique chondrite clasts. Meteoritics and Planetary Science, 2017, 52, 372-390.	0.7	26
34	Impact melting of the largest known enstatite meteorite: Al Haggounia 001, a fossil <scp>EL</scp> chondrite. Meteoritics and Planetary Science, 2016, 51, 1576-1587.	0.7	26
35	Variations in impact effects among <scp>IIIE</scp> iron meteorites. Meteoritics and Planetary Science, 2016, 51, 1611-1631.	0.7	33
36	Joegoldsteinite: A new sulfide mineral (MnCr₂S₄) from the Social Circle IVA iron meteorite. American Mineralogist, 2016, 101, 1217-1221.	0.9	29

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37	An American on Paris: Extent of aqueous alteration of a <scp>CM</scp> chondrite and the petrography of its refractory and amoeboid olivine inclusions. Meteoritics and Planetary Science, 2015, 50, 1595-1612.	0.7	61
38	Shock effects in the Willamette ungrouped iron meteorite. Meteoritics and Planetary Science, 2015, 50, 1984-1994.	0.7	22
39	Shock and annealing in aubrites: Implications for parentâ€body history. Meteoritics and Planetary Science, 2015, 50, 1217-1227.	0.7	25
40	Impact features of enstatite-rich meteorites. Chemie Der Erde, 2015, 75, 1-28.	0.8	42
41	Maskelynite in asteroidal, lunar and planetary basaltic meteorites: An indicator of shock pressure during impact ejection from their parent bodies. Icarus, 2015, 257, 221-229.	1.1	64
42	Ancient porosity preserved in ordinary chondrites: Examining shock and compaction on young asteroids. Meteoritics and Planetary Science, 2014, 49, 1214-1231.	0.7	23
43	Absence of matrixâ€like chondrule rims in <scp>CR</scp>2 <scp>LAP</scp> 02342. Meteoritics and Planetary Science, 2014, 49, 245-260.	0.7	7
44	R-chondrite bulk-chemical compositions and diverse oxides: Implications for parent-body processes. Geochimica Et Cosmochimica Acta, 2014, 124, 131-151.	1.6	36
45	Northwest Africa 5738: Multistage fluid-driven secondary alteration in an extraordinarily evolved eucrite. Geochimica Et Cosmochimica Acta, 2014, 141, 199-227.	1.6	52
46	Fall, recovery, and characterization of the Novato L6 chondrite breccia. Meteoritics and Planetary Science, 2014, 49, 1388-1425.	0.7	59
47	Progressive aqueous alteration of CR carbonaceous chondrites. Geochimica Et Cosmochimica Acta, 2014, 139, 267-292.	1.6	113
48	Shock and annealing in the amphiboleâ€and micaâ€bearing R chondrites. Meteoritics and Planetary Science, 2014, 49, 1057-1075.	0.7	35
49	Northwest Africa 6693: A new type of FeO-rich, low-Î”17O, poikilitic cumulate achondrite. Geochimica Et Cosmochimica Acta, 2013, 107, 135-154.	1.6	45
50	Compositional and petrographic similarities of CV and CK chondrites: A single group with variations in textures and volatile concentrations attributable to impact heating, crushing and oxidation. Geochimica Et Cosmochimica Acta, 2013, 108, 45-62.	1.6	42
51	An amoeboid olivine inclusion (<scp>AOI</scp>) in <scp>CK</scp>3 <scp>NWA</scp> 1559, comparison to <scp>AOI</scp>s in <scp>CV</scp>3 Allende, and the origin of <scp>AOI</scp>s in <scp>CK</scp> and <scp>CV</scp> chondrites. Meteoritics and Planetary Science, 2013, 48, 432-444.	0.7	31
52	Multiple melting in a fourâ€layered barredâ€olivine chondrule with compositionally heterogeneous glass from <scp>LL</scp>3.0 Semarkona. Meteoritics and Planetary Science, 2013, 48, 445-456.	0.7	31
53	Wassonite: A new titanium monosulfide mineral in the Yamato 691 enstatite chondrite. American Mineralogist, 2012, 97, 807-815.	0.9	32
54	Collisional facilitation of aqueous alteration of CM and CV carbonaceous chondrites. Geochimica Et Cosmochimica Acta, 2012, 90, 181-194.	1.6	90

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55	Fragments of the Lunar Cataclysm. Science, 2012, 336, 1390-1391.	6.0	1
56	Fractionated matrix composition in CV3 Vigarano and alteration processes on the CV parent asteroid. Meteoritics and Planetary Science, 2012, 47, 1035-1048.	0.7	9
57	A new model for the origin of Typeâ€B and Fluffy Typeâ€A CAIs: Analogies to remelted compound chondrules. Meteoritics and Planetary Science, 2012, 47, 1062-1074.	0.7	28
58	Shock effects in â€œEH6â€•enstatite chondrites and implications for collisional heating of the EH and EL parent asteroids. Geochimica Et Cosmochimica Acta, 2011, 75, 3757-3780.	1.6	46
59	Flattened chondrules in the LAP 04581 LL5 chondrite: Evidence for an oblique impact into LL3 material and subsequent collisional heating. Meteoritics and Planetary Science, 2011, 46, 587-600.	0.7	24
60	Whatâ€™s up? Preservation of gravitational direction in the Larkman Nunatak 06299 LL impact melt breccia. Meteoritics and Planetary Science, 2011, 46, 737-747.	0.7	29
61	Origin of the differences in refractory-lithophile-element abundances among chondrite groups. Icarus, 2011, 213, 547-558.	1.1	55
62	Metal in CR chondrites. Geochimica Et Cosmochimica Acta, 2010, 74, 2212-2230.	1.6	38
63	Physical properties of chondrules in different chondrite groups: Implications for multiple melting events in dusty environments. Geochimica Et Cosmochimica Acta, 2010, 74, 4807-4828.	1.6	133
64	Pyroxene-selective impact smelting in ureilites. Geochimica Et Cosmochimica Acta, 2010, 74, 5109-5133.	1.6	62
65	Matrix and whole-rock fractionations in the Acfer 094 type 3.0 ungrouped carbonaceous chondrite. Meteoritics and Planetary Science, 2010, 45, 73.	0.7	15
66	Meteorite and meteoroid: new comprehensive definitions. Meteoritics and Planetary Science, 2010, 45, 114.	0.7	58
67	Impact melting in the Cumberland Falls and Mayo Belwa aubrites. Meteoritics and Planetary Science, 2010, 45, 265-275.	0.7	54
68	Carbonates in CM chondrites: Complex formational histories and comparison to carbonates in CI chondrites. Meteoritics and Planetary Science, 2010, 45, 513-530.	0.7	79
69	Compositions and taxonomy of 15 unusual carbonaceous chondrites. Meteoritics and Planetary Science, 2010, 45, 531-554.	0.7	71
70	Origin of Halogens and Nitrogen in Enstatite Chondrites. Earth, Moon and Planets, 2009, 105, 41-53.	0.3	24
71	Clastic matrix in EH3 chondrites. Meteoritics and Planetary Science, 2009, 44, 589-601.	0.7	41
72	Composition of matrix in the CR chondrite LAP 02342. Geochimica Et Cosmochimica Acta, 2009, 73, 1436-1460.	1.6	68

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73	Possible impact-induced refractory-lithophile fractionations in EL chondrites. Geochimica Et Cosmochimica Acta, 2009, 73, 1523-1537.	1.6	33
74	53Mnâ€“53Cr systematics of carbonates in CM chondrites: Implications for the timing and duration of aqueous alteration. Geochimica Et Cosmochimica Acta, 2009, 73, 7433-7442.	1.6	61
75	The Cali meteorite fall: A new H/L ordinary chondrite. Meteoritics and Planetary Science, 2009, 44, 211-220.	0.7	7
76	On the origin of shocked and unshocked CM clasts in Hâ€chondrite regolith breccias. Meteoritics and Planetary Science, 2009, 44, 701-724.	0.7	42
77	Coincidental Compositional and Orbital Correspondences Among Some Ordinary Chondrites: No Strong Evidence for Meteoroid Streams. Earth, Moon and Planets, 2008, 103, 73-88.	0.3	3
78	Size scales over which ordinary chondrites and their parent asteroids are homogeneous in oxidation state and oxygen-isotopic composition. Geochimica Et Cosmochimica Acta, 2008, 72, 948-958.	1.6	8
79	Explicating the behavior of Mnâ€bearing phases during shock melting and crystallization of the Abee EHâ€chondrite impactâ€melt breccia. Meteoritics and Planetary Science, 2008, 43, 1481-1485.	0.7	29
80	Progressive aqueous alteration of CM carbonaceous chondrites. Geochimica Et Cosmochimica Acta, 2007, 71, 2361-2382.	1.6	421
81	Petrogenesis of acapulcoites and lodranites: A shock-melting model. Geochimica Et Cosmochimica Acta, 2007, 71, 2383-2401.	1.6	70
82	Petrography of refractory inclusions in CM2.6 QUE 97990 and the origin of meliliteâ€free spinel inclusions in CM chondrites. Meteoritics and Planetary Science, 2007, 42, 1711-1726.	0.7	31
83	Shock, postâ€shock annealing, and postâ€annealing shock in ureilites. Meteoritics and Planetary Science, 2006, 41, 125-133.	0.7	65
84	A relictâ€grainâ€bearing porphyritic olivine compound chondrule from LL3.0 Semarkona that experienced limited remelting. Meteoritics and Planetary Science, 2006, 41, 1027-1038.	0.7	14
85	Non-nebular origin of dark mantles around chondrules and inclusions in CM chondrites. Geochimica Et Cosmochimica Acta, 2006, 70, 1271-1290.	1.6	111
86	Silica and pyroxene in IVA irons; possible formation of the IVA magma by impact melting and reduction of L-LL-chondrite materials followed by crystallization and cooling. Geochimica Et Cosmochimica Acta, 2006, 70, 3149-3172.	1.6	56
87	Siderophile-element anomalies in CK carbonaceous chondrites: Implications for parent-body aqueous alteration and terrestrial weathering of sulfides. Geochimica Et Cosmochimica Acta, 2006, 70, 4019-4037.	1.6	35
88	What Heated the Asteroids?. Scientific American, 2005, 292, 80-87.	1.0	14
89	The Villalbeto de la PeÃ±a meteorite fall: I. Fireball energy, meteorite recovery, strewn field, and petrography. Meteoritics and Planetary Science, 2005, 40, 795-804.	0.7	58
90	A weathering index for CK and R chondrites. Meteoritics and Planetary Science, 2005, 40, 1123-1130.	0.7	44

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91	Non-spherical lobate chondrules in CO3.0 Y-81020: General implications for the formation of low-FeO porphyritic chondrules in CO chondrites. Geochimica Et Cosmochimica Acta, 2005, 69, 211-220.	1.6	31
92	Carbon-rich chondritic clast PV1 from the Plainview H-chondrite regolith breccia: Formation from H3 chondrite material by possible cometary impact. Geochimica Et Cosmochimica Acta, 2005, 69, 3419-3430.	1.6	31
93	Oxygen-isotopic compositions of low-FeO relicts in high-FeO host chondrules in Acfer 094, a type 3.0 carbonaceous chondrite closely related to CM. Geochimica Et Cosmochimica Acta, 2005, 69, 3831-3840.	1.6	43
94	Relationships among intrinsic properties of ordinary chondrites: Oxidation state, bulk chemistry, oxygen-isotopic composition, petrologic type, and chondrule size. Geochimica Et Cosmochimica Acta, 2005, 69, 4907-4918.	1.6	41
95	Oxygen-isotopic compositions of relict and host grains in chondrules in the Yamato 81020 CO3.0 chondrite. Geochimica Et Cosmochimica Acta, 2004, 68, 3599-3606.	1.6	58
96	Postshock annealing and postannealing shock in equilibrated ordinary chondrites: implications for the thermal and shock histories of chondritic asteroids. Geochimica Et Cosmochimica Acta, 2004, 68, 673-689.	1.6	130
97	Los Angeles: A tale of two stones. Meteoritics and Planetary Science, 2004, 39, 137-156.	0.7	53
98	Evidence in CO3.0 chondrules for a drift in the O isotopic composition of the solar nebula. Meteoritics and Planetary Science, 2004, 39, 1591-1598.	0.7	23
99	Aluminian low-Ca pyroxene in a Ca-Al-rich chondrule from the Semarkona meteorite. American Mineralogist, 2004, 89, 867-872.	0.9	38
100	Northwest Africa 428: Impactâ€induced annealing of an L6 chondrite breccia. Meteoritics and Planetary Science, 2003, 38, 1499-1506.	0.7	3
101	Spade: An H chondrite impactâ€melt breccia that experienced postâ€shock annealing. Meteoritics and Planetary Science, 2003, 38, 1507-1520.	0.7	24
102	Ubiquitous low-FeO relict grains in type II chondrules and limited overgrowths on phenocrysts following the final melting event. Geochimica Et Cosmochimica Acta, 2003, 67, 2239-2250.	1.6	70
103	Formation of metal and silicate globules in Gujba: a new Bencubbin-like meteorite fall. Geochimica Et Cosmochimica Acta, 2003, 67, 3283-3298.	1.6	121
104	Chromite-plagioclase assemblages as a new shock indicator; implications for the shock and thermal histories of ordinary chondrites. Geochimica Et Cosmochimica Acta, 2003, 67, 2695-2709.	1.6	92
105	Smyer H-chondrite impact-melt breccia and evidence for sulfur vaporization. Geochimica Et Cosmochimica Acta, 2002, 66, 699-711.	1.6	52
106	Post-shock annealing of Miller Range 99301 (LL6): Implications for impact heating of ordinary chondrites. Geochimica Et Cosmochimica Acta, 2002, 66, 3327-3337.	1.6	63
107	A AB-complex iron meteorite containing low-Ca clinopyroxene. Geochimica Et Cosmochimica Acta, 2002, 66, 3657-3671.	1.6	12
108	The haliteâ€bearing Zag and Monahans (1998) meteorite breccias: Shock metamorphism, thermal metamorphism and aqueous alteration on the Hâ€chondrite parent body. Meteoritics and Planetary Science, 2002, 37, 125-141.	0.7	74

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109	Sizeâ€frequency distributions of chondrules and chondrule fragments in LL3 chondrites: Implications for parentâ€body fragmentation of chondrules. Meteoritics and Planetary Science, 2002, 37, 1361-1376.	0.7	82
110	Mineralogy and petrology of amoeboid olivine inclusions in CO3 chondrites: Relationship to parentâ€body aqueous alteration. Meteoritics and Planetary Science, 2002, 37, 1781-1796.	0.7	116
111	The Portales Valley meteorite breccia: evidence for impact-induced melting and metamorphism of an ordinary chondrite. Geochimica Et Cosmochimica Acta, 2001, 65, 323-342.	1.6	93
112	Petrologic, geochemical and experimental constraints on models of chondrule formation. Earth-Science Reviews, 2000, 50, 3-27.	4.0	179
113	Chondrules in the LEW85332 ungrouped carbonaceous chondrite: fractionation processes in the solar nebula. Geochimica Et Cosmochimica Acta, 2000, 64, 1279-1290.	1.6	14
114	Oxygen isotopes in R-chondrite magnetite and olivine: links between R chondrites and ordinary chondrites. Geochimica Et Cosmochimica Acta, 2000, 64, 3897-3911.	1.6	46
115	Numerous unpaired meteorites exposed on a deflating playa lake at Lucerne Valley, California. Meteoritics and Planetary Science, 2000, 35, A181.	0.7	6
116	Troilite in the chondrules of type-3 ordinary chondrites: implications for chondrule formation. Geochimica Et Cosmochimica Acta, 1999, 63, 2281-2298.	1.6	72
117	Formation of large metal nodules in ordinary chondrites. Journal of Geophysical Research, 1999, 104, 30799-30804.	3.3	45
118	Paucity of sulfide in a large slab of Esquel: New perspectives on pallasite formation. Meteoritics and Planetary Science, 1998, 33, 221-227.	0.7	74
119	Correlated petrologic and geochemical characteristics of CO3 chondrites. Meteoritics and Planetary Science, 1998, 33, 385-391.	0.7	58
120	Abee and related EH chondrite impact-melt breccias. Geochimica Et Cosmochimica Acta, 1997, 61, 425-435.	1.6	98
121	Microchondrules in ordinary chondrites: Implications for chondrule formation. Geochimica Et Cosmochimica Acta, 1997, 61, 463-473.	1.6	58
122	Shock metamorphism of enstatite chondrites. Geochimica Et Cosmochimica Acta, 1997, 61, 847-858.	1.6	168
123	The oxygen isotopic composition of olivine and pyroxene from CI chondrites. Geochimica Et Cosmochimica Acta, 1997, 61, 835-845.	1.6	160
124	The Hadley Rille enstatite chondrite and its agglutinateâ€like rim: Impact melting during accretion to the Moon. Meteoritics and Planetary Science, 1997, 32, 135-141.	0.7	50
125	Mineralogy of meteorite groups. Meteoritics and Planetary Science, 1997, 32, 231-247.	0.7	293
126	The Galim LL/EH polymict breccia: Evidence for impactâ€induced exchange between reduced and oxidized meteoritic material. Meteoritics and Planetary Science, 1997, 32, 489-492.	0.7	19

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127	Mineralogy of meteorite groups: An update. Meteoritics and Planetary Science, 1997, 32, 733-734.	0.7	59
128	Igneous graphite in enstatite chondrites. Mineralogical Magazine, 1997, 61, 699-703.	0.6	28
129	Sinoite (Si₂N₂O); crystallization from EL chondrite impact melts. American Mineralogist, 1997, 82, 1001-1006.	0.9	28
130	The compositional classification of chondrites: VII. The R chondrite group. Geochimica Et Cosmochimica Acta, 1996, 60, 2243-2256.	1.6	157
131	The Richfield LL3 chondrite. Meteoritics and Planetary Science, 1996, 31, 925-927.	0.7	4
132	A Critical Evaluation of the Evidence for Hot Accretion. Icarus, 1996, 124, 86-96.	1.1	15
133	Fractionation of refractory siderophile elements in metal from the Rose City meteorite. Meteoritics, 1995, 30, 412-417.	1.5	50
134	Coolidge and Loongana 001: A new carbonaceous chondrite grouplet. Meteoritics, 1995, 30, 20-27.	1.5	46
135	Compound chondrules. Geochimica Et Cosmochimica Acta, 1995, 59, 1847-1869.	1.6	100
136	Euhedral tetrataenite in the Jelica meteorite. Mineralogical Magazine, 1994, 58, 215-221.	0.6	35
137	Fragments of history preserved. Nature, 1994, 368, 691-691.	13.7	2
138	The compositional classification of chondrites: VI. The CR carbonaceous chondrite group. Geochimica Et Cosmochimica Acta, 1994, 58, 2873-2888.	1.6	184
139	Pecora Escarpment 91002: A member of the new Rumuruti (R) chondrite group. Meteoritics, 1994, 29, 255-264.	1.5	67
140	Metallic copper in ordinary chondrites. Meteoritics, 1994, 29, 93-98.	1.5	91
141	Glassâ€rich chondrules in ordinary chondrites. Meteoritics, 1994, 29, 697-707.	1.5	39
142	Equilibration temperatures of EL chondrites: A major downward revision in the ferrosilite contents of enstatite. Meteoritics, 1994, 29, 658-662.	1.5	25
143	Evolutionary History of the Mesosiderite Asteroid: A Chronologic and Petrologic Synthesis. Icarus, 1993, 101, 201-212.	1.1	83
144	Reduction during metamorphism of four ordinary chondrites. Geochimica Et Cosmochimica Acta, 1993, 57, 1867-1878.	1.6	54

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145	Magnetiteâ€sulfide chondrules and nodules in CK carbonaceous chondrites: Implications for the timing of CK oxidation. Meteoritics, 1993, 28, 130-135.	1.5	22
146	First occurrence of pyrophanite (MnTi03) and baddeleyite (ZrO2) in an ordinary chondrite. Meteoritics, 1993, 28, 232-239.	1.5	35
147	Classification of mafic clasts from mesosiderites: Implications for endogenous igneous processes. Geochimica Et Cosmochimica Acta, 1992, 56, 827-840.	1.6	71
148	Origin of metallic Fe-Ni in Renazzo and related chondrites. Geochimica Et Cosmochimica Acta, 1992, 56, 2521-2533.	1.6	65
149	A shock-metamorphic model for silicate darkening and compositionally variable plagioclase in CK and ordinary chondrites. Geochimica Et Cosmochimica Acta, 1992, 56, 1705-1714.	1.6	157
150	The compositional classification of chondrites: V. The Karoonda (CK) group of carbonaceous chondrites. Geochimica Et Cosmochimica Acta, 1991, 55, 881-892.	1.6	223
151	Lewis Cliff 85332: A unique carbonaceous chondrite. Meteoritics, 1990, 25, 215-225.	1.5	59
152	Compositions of large metal nodules in mesosiderites: Links to iron meteorite group IIIAB and the origin of mesosiderite subgroups. Geochimica Et Cosmochimica Acta, 1990, 54, 3197-3208.	1.6	83
153	Kamacite and olivine in ordinary chondrites: Intergroup and intragroup relationships. Geochimica Et Cosmochimica Acta, 1990, 54, 1217-1232.	1.6	253
154	Oxygen isotopes in chondrules and coarse-grained chondrule rims from the Allende meteorite. Earth and Planetary Science Letters, 1990, 96, 247-255.	1.8	72
155	Sizeâ€frequency distributions of chondrules in CO3 chondrites. Meteoritics, 1989, 24, 179-189.	1.5	82
156	Ordinary chondrites: Bulk compositions, classification, lithophile-element fractionations and composition-petrographic type relationships. Geochimica Et Cosmochimica Acta, 1989, 53, 2747-2767.	1.6	315
157	Carlisle Lakes and Allan Hills 85151: Members of a new chondrite grouplet. Geochimica Et Cosmochimica Acta, 1989, 53, 3035-3044.	1.6	51
158	Chondrules in the Sharps H3 chondrite: Evidence for intergroup compositional differences among ordinary chondrite chondrules. Geochimica Et Cosmochimica Acta, 1989, 53, 187-195.	1.6	28
159	An olivineâ€microchondruleâ€bearing clast in the Krymka meteorite. Meteoritics, 1989, 24, 191-192.	1.5	20
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