Alan E Rubin

List of Publications by Year in Descending Order

184 papers	8,766 citations	54 h-index	83 g-index
202 ext. papers	10,032 ext. citations	5.5 avg, IF	6.54 L-index

#	Paper	IF	Citations
184	Benford's law: Applications to ordinary-chondrite mass distributions. *Meteoritics and Planetary Science*, **2021**, 56, 379-392	2.8	
183	Evidence from phosphorus X-ray mapping for a multistep process in the formation of olivine phenocrysts in FeO-rich porphyritic chondrules. *Meteoritics and Planetary Science*, **2021**, 56, 1478-1501	2.8	0
182	Definitions and Explications **2021**, 44-57		
181	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		
180	Minerals and Meteorites **2021**, 1-43		
179	Formation of Meteoritic Minerals in Gas- and Dust-Rich Environments **2021**, 239-253		
178	Formation of Meteoritic Minerals on Parent Bodies **2021**, 254-316		
177	Properties of Minerals **2021**, 66-91		
176	Formation of Meteoritic Minerals in the Terrestrial Environment **2021**, 317-324		
175	Mineralogy of Major Physical Components of Chondrites **2021**, 109-152		
174	Cosmomineralogy **2021**, 200-238		
173	The Strange Case of the Aluminum-Copper Alloys **2021**, 325-327		
172	Petrologic and Mineralogical Characteristics of Meteorite Groups **2021**, 153-199		
171	Meteorite Classification and Taxonomy **2021**, 101-108		
170	Brief Review of Crystallography and Crystal Chemistry **2021**, 58-65		
169	Mesoscale and microscale shock effects in the LL6 S4 chondrites Saint-Séverin and Elbert: A tale of two breccias. *Meteoritics and Planetary Science*, **2020**, 55, 1418-1438	2.8	2
168	Formation and destruction of magnetite in CO3 chondrites and other chondrite groups. *Chemie Der Erde*, **2019**, 79, 125528	4.3	17

167	A review of higher order aberrations of the human eye. *African Vision and Eye Health*, **2019**, 78,	0.7	1
166	Physical, Chemical, and Petrological Characteristics of Chondritic Materials and Their Relationships to Small Solar System Bodies **2018**, 59-204		5
165	Evaluation of petrologic evidence for high partial pressures of SiO(g) in the solar nebula. *Meteoritics and Planetary Science*, **2018**, 53, 2596-2607	2.8	3
164	Mechanisms accounting for variations in the proportions of carbonaceous and ordinary chondrites in different mass ranges. *Meteoritics and Planetary Science*, **2018**, 53, 2181-2192	2.8	4
163	Carbonaceous and noncarbonaceous iron meteorites: Differences in chemical, physical, and collective properties. *Meteoritics and Planetary Science*, **2018**, 53, 2357-2371	2.8	24
162	Secondary melting events in Semarkona chondrules revealed by compositional zoning in low-Ca pyroxene. *Geochimica Et Cosmochimica Acta*, **2017**, 211, 256-279	5.5	26
161	Meteoritic minerals and their origins. *Chemie Der Erde*, **2017**, 77, 325-385	4.3	62
160	NWA 10214An LL3 chondrite breccia with an assortment of metamorphosed, shocked, and unique chondrite clasts. *Meteoritics and Planetary Science*, **2017**, 52, 372-390	2.8	16
159	Impact melting of the largest known enstatite meteorite: Al Haggounia 001, a fossil EL chondrite. *Meteoritics and Planetary Science*, **2016**, 51, 1576-1587	2.8	16
158	Variations in impact effects among IIIE iron meteorites. *Meteoritics and Planetary Science*, **2016**, 51, 1611-1631	2.8	22
157	Joegoldsteinite: A new sulfide mineral (MnCr2S4) from the Social Circle IVA iron meteorite. *American Mineralogist*, **2016**, 101, 1217-1221	2.9	19
156	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	3.8	50
155	An American on Paris: Extent of aqueous alteration of a CM chondrite and the petrography of its refractory and amoeboid olivine inclusions. *Meteoritics and Planetary Science*, **2015**, 50, 1595-1612	2.8	43
154	Shock effects in the Willamette ungrouped iron meteorite. *Meteoritics and Planetary Science*, **2015**, 50, 1984-1994	2.8	15
153	Shock and annealing in aubrites: Implications for parent-body history. *Meteoritics and Planetary Science*, **2015**, 50, 1217-1227	2.8	16
152	Impact features of enstatite-rich meteorites. *Chemie Der Erde*, **2015**, 75, 1-28	4.3	28
151	Northwest Africa 5738: Multistage fluid-driven secondary alteration in an extraordinarily evolved eucrite. *Geochimica Et Cosmochimica Acta*, **2014**, 141, 199-227	5.5	40
150	Fall, recovery, and characterization of the Novato L6 chondrite breccia. *Meteoritics and Planetary Science*, **2014**, 49, 1388-1425	2.8	49

149	Progressive aqueous alteration of CR carbonaceous chondrites. *Geochimica Et Cosmochimica Acta*, **2014**, 139, 267-292	5.5	87
148	Shock and annealing in the amphibole- and mica-bearing R chondrites. *Meteoritics and Planetary Science*, **2014**, 49, 1057-1075	2.8	26
147	Ancient porosity preserved in ordinary chondrites: Examining shock and compaction on young asteroids. *Meteoritics and Planetary Science*, **2014**, 49, 1214-1231	2.8	21
146	Absence of matrix-like chondrule rims in CR2 LAP 02342. *Meteoritics and Planetary Science*, **2014**, 49, 245-260	2.8	6
145	R-chondrite bulk-chemical compositions and diverse oxides: Implications for parent-body processes. *Geochimica Et Cosmochimica Acta*, **2014**, 124, 131-151	5.5	27
144	Northwest Africa 6693: A new type of FeO-rich, low-Δ17O, poikilitic cumulate achondrite. *Geochimica Et Cosmochimica Acta*, **2013**, 107, 135-154	5.5	31
143	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	5.5	37
142	An amoeboid olivine inclusion (AOI) in CK3 NWA 1559, comparison to AOIs in CV3 Allende, and the origin of AOIs in CK and CV chondrites. *Meteoritics and Planetary Science*, **2013**, 48, 432-444	2.8	23
141	Multiple melting in a four-layered barred-olivine chondrule with compositionally heterogeneous glass from LL3.0 Semarkona. *Meteoritics and Planetary Science*, **2013**, 48, 445-456	2.8	21
140	Fractionated matrix composition in CV3 Vigarano and alteration processes on the CV parent asteroid. *Meteoritics and Planetary Science*, **2012**, 47, 1035-1048	2.8	8
139	A new model for the origin of Type-B and Fluffy Type-A CAIs: Analogies to remelted compound chondrules. *Meteoritics and Planetary Science*, **2012**, 47, 1062-1074	2.8	20
138	Wassonite: A new titanium monosulfide mineral in the Yamato 691 enstatite chondrite. *American Mineralogist*, **2012**, 97, 807-815	2.9	20
137	Collisional facilitation of aqueous alteration of CM and CV carbonaceous chondrites. *Geochimica Et Cosmochimica Acta*, **2012**, 90, 181-194	5.5	72
136	Planetary science. Fragments of the lunar cataclysm. *Science*, **2012**, 336, 1390-1	33.3	
135	Shock effects in EH6 enstatite chondrites and implications for collisional heating of the EH and EL parent asteroids. *Geochimica Et Cosmochimica Acta*, **2011**, 75, 3757-3780	5.5	34
134	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	2.8	20
133	What's up? Preservation of gravitational direction in the Larkman Nunatak 06299 LL impact melt breccia. *Meteoritics and Planetary Science*, **2011**, 46, 737-747	2.8	21
132	Origin of the differences in refractory-lithophile-element abundances among chondrite groups. *Icarus*, **2011**, 213, 547-558	3.8	42

131	Metal in CR chondrites. *Geochimica Et Cosmochimica Acta*, **2010**, 74, 2212-2230	5.5	33
130	Physical properties of chondrules in different chondrite groups: Implications for multiple melting events in dusty environments. *Geochimica Et Cosmochimica Acta*, **2010**, 74, 4807-4828	5.5	110
129	Pyroxene-selective impact smelting in ureilites. *Geochimica Et Cosmochimica Acta*, **2010**, 74, 5109-5133	5.5	49
128	Matrix and whole-rock fractionations in the Acfer 094 type 3.0 ungrouped carbonaceous chondrite. *Meteoritics and Planetary Science*, **2010**, 45, 73	2.8	13
127	Meteorite and meteoroid: New comprehensive definitions. *Meteoritics and Planetary Science*, **2010**, 45, 114	2.8	45
126	Impact melting in the Cumberland Falls and Mayo Belwa aubrites. *Meteoritics and Planetary Science*, **2010**, 45, 265-275	2.8	44
125	Carbonates in CM chondrites: Complex formational histories and comparison to carbonates in CI chondrites. *Meteoritics and Planetary Science*, **2010**, 45, 513-530	2.8	70
124	Compositions and taxonomy of 15 unusual carbonaceous chondrites. *Meteoritics and Planetary Science*, **2010**, 45, 531-554	2.8	58
123	Origin of Halogens and Nitrogen in Enstatite Chondrites. *Earth, Moon and Planets*, **2009**, 105, 41-53	0.6	23
122	Clastic matrix in EH3 chondrites. *Meteoritics and Planetary Science*, **2009**, 44, 589-601	2.8	32
121	Composition of matrix in the CR chondrite LAP 02342. *Geochimica Et Cosmochimica Acta*, **2009**, 73, 1436-1460	5.5	57
120	Possible impact-induced refractory-lithophile fractionations in EL chondrites. *Geochimica Et Cosmochimica Acta*, **2009**, 73, 1523-1537	5.5	27
119	53Mn–53Cr systematics of carbonates in CM chondrites: Implications for the timing and duration of aqueous alteration. *Geochimica Et Cosmochimica Acta*, **2009**, 73, 7433-7442	5.5	52
118	The Cali meteorite fall: A new H/L ordinary chondrite. *Meteoritics and Planetary Science*, **2009**, 44, 211-220	2.8	5
117	On the origin of shocked and unshocked CM clasts in H-chondrite regolith breccias. *Meteoritics and Planetary Science*, **2009**, 44, 701-724	2.8	39
116	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	5.5	7
115	Explicating the behavior of Mn-bearing phases during shock melting and crystallization of the Abee EH-chondrite impact-melt breccia. *Meteoritics and Planetary Science*, **2008**, 43, 1481-1485	2.8	21
114	Coincidental Compositional and Orbital Correspondences Among Some Ordinary Chondrites: No Strong Evidence for Meteoroid Streams. *Earth, Moon and Planets*, **2008**, 103, 73-88	0.6	3

113	Progressive aqueous alteration of CM carbonaceous chondrites. *Geochimica Et Cosmochimica Acta*, **2007**, 71, 2361-2382	5.5	343
112	Petrogenesis of acapulcoites and lodranites: A shock-melting model. *Geochimica Et Cosmochimica Acta*, **2007**, 71, 2383-2401	5.5	59
111	Petrography of refractory inclusions in CM2.6 QUE 97990 and the origin of melilite-free spinel inclusions in CM chondrites. *Meteoritics and Planetary Science*, **2007**, 42, 1711-1726	2.8	26
110	Shock, post-shock annealing, and post-annealing shock in ureilites. *Meteoritics and Planetary Science* , **2006**, 41, 125-133	2.8	51
109	A relict-grain-bearing porphyritic olivine compound chondrule from LL3.0 Semarkona that experienced limited remelting. *Meteoritics and Planetary Science*, **2006**, 41, 1027-1038	2.8	12
108	Non-nebular origin of dark mantles around chondrules and inclusions in CM chondrites. *Geochimica Et Cosmochimica Acta*, **2006**, 70, 1271-1290	5.5	95
107	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	5.5	44
106	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	5.5	32
105	The Villalbeto de la Peña meteorite fall: I. Fireball energy, meteorite recovery, strewn field, and petrography. *Meteoritics and Planetary Science*, **2005**, 40, 795-804	2.8	50
104	A weathering index for CK and R chondrites. *Meteoritics and Planetary Science*, **2005**, 40, 1123-1130	2.8	36
103	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	5.5	28
102	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	5.5	22
101	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	5.5	40
100	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	5.5	35
99	What heated the asteroids?. *Scientific American*, **2005**, 292, 80-7	0.5	12
98	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	5.5	52
97	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	5.5	112
96	Los Angeles: A tale of two stones. *Meteoritics and Planetary Science*, **2004**, 39, 137-156	2.8	43

95	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	2.8	22
94	Aluminian low-Ca pyroxene in a Ca-Al-rich chondrule from the Semarkona meteorite. *American Mineralogist*, **2004**, 89, 867-872	2.9	26
93	Northwest Africa 428: Impact-induced annealing of an L6 chondrite breccia. *Meteoritics and Planetary Science*, **2003**, 38, 1499-1506	2.8	2
92	Spade: An H chondrite impact-melt breccia that experienced post-shock annealing. *Meteoritics and Planetary Science*, **2003**, 38, 1507-1520	2.8	23
91	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	5.5	65
90	Formation of metal and silicate globules in Gujba: a new Bencubbin-like meteorite fall. *Geochimica Et Cosmochimica Acta*, **2003**, 67, 3283-3298	5.5	100
89	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	5.5	79
88	Smyer H-chondrite impact-melt breccia and evidence for sulfur vaporization. *Geochimica Et Cosmochimica Acta*, **2002**, 66, 699-711	5.5	41
87	Post-shock annealing of Miller Range 99301 (LL6): Implications for impact heating of ordinary chondrites. *Geochimica Et Cosmochimica Acta*, **2002**, 66, 3327-3337	5.5	51
86	A AB-complex iron meteorite containing low-Ca clinopyroxene: northwest Africa 468 and its relationship to lodranites and formation by impact melting. *Geochimica Et Cosmochimica Acta*, **2002**, 66, 3657-3671	5.5	11
85	The halite-bearing Zag and Monahans (1998) meteorite breccias: Shock metamorphism, thermal metamorphism and aqueous alteration on the H-chondrite parent body. *Meteoritics and Planetary Science*, **2002**, 37, 125-141	2.8	55
84	Size-frequency distributions of chondrules and chondrule fragments in LL3 chondrites: Implications for parent-body fragmentation of chondrules. *Meteoritics and Planetary Science*, **2002**, 37, 1361-1376	2.8	66
83	Mineralogy and petrology of amoeboid olivine inclusions in CO3 chondrites: Relationship to parent-body aqueous alteration. *Meteoritics and Planetary Science*, **2002**, 37, 1781-1796	2.8	96
82	The Portales Valley meteorite breccia: evidence for impact-induced melting and metamorphism of an ordinary chondrite. *Geochimica Et Cosmochimica Acta*, **2001**, 65, 323-342	5.5	74
81	Petrologic, geochemical and experimental constraints on models of chondrule formation. *Earth-Science Reviews*, **2000**, 50, 3-27	10.2	139
80	Chondrules in the LEW85332 ungrouped carbonaceous chondrite: fractionation processes in the solar nebula. *Geochimica Et Cosmochimica Acta*, **2000**, 64, 1279-1290	5.5	13
79	Oxygen isotopes in R-chondrite magnetite and olivine: links between R chondrites and ordinary chondrites. *Geochimica Et Cosmochimica Acta*, **2000**, 64, 3897-3911	5.5	45
78	Numerous unpaired meteorites exposed on a deflating playa lake at Lucerne Valley, California. *Meteoritics and Planetary Science*, **2000**, 35, A181-A183	2.8	5

77	Troilite in the chondrules of type-3 ordinary chondrites: implications for chondrule formation. *Geochimica Et Cosmochimica Acta*, **1999**, 63, 2281-2298	5.5	62
76	Formation of large metal nodules in ordinary chondrites. *Journal of Geophysical Research*, **1999**, 104, 30799-30804		34
75	Paucity of sulfide in a large slab of Esquel: New perspectives on pallasite formation. *Meteoritics and Planetary Science*, **1998**, 33, 221-227	2.8	60
74	Correlated petrologic and geochemical characteristics of CO3 chondrites. *Meteoritics and Planetary Science*, **1998**, 33, 385-391	2.8	50
73	Abee and related EH chondrite impact-melt breccias. *Geochimica Et Cosmochimica Acta*, **1997**, 61, 425-435	5.5	79
72	Microchondrules in ordinary chondrites: Implications for chondrule formation. *Geochimica Et Cosmochimica Acta*, **1997**, 61, 463-473	5.5	47
71	Shock metamorphism of enstatite chondrites. *Geochimica Et Cosmochimica Acta*, **1997**, 61, 847-858	5.5	141
70	The oxygen isotopic composition of olivine and pyroxene from CI chondrites. *Geochimica Et Cosmochimica Acta*, **1997**, 61, 835-845	5.5	140
69	The Hadley Rille enstatite chondrite and its agglutinate-like rim: Impact melting during accretion to the Moon. *Meteoritics and Planetary Science*, **1997**, 32, 135-141	2.8	36
68	Mineralogy of meteorite groups. *Meteoritics and Planetary Science*, **1997**, 32, 231-247	2.8	229
67	The Galim LL/EH polymict breccia: Evidence for impact-induced exchange between reduced and oxidized meteoritic material. *Meteoritics and Planetary Science*, **1997**, 32, 489-492	2.8	15
66	Mineralogy of meteorite groups: An update. *Meteoritics and Planetary Science*, **1997**, 32, 733-734	2.8	42
65	Igneous graphite in enstatite chondrites. *Mineralogical Magazine*, **1997**, 61, 699-703	1.7	26
64	Sinoite (Si2N2O); crystallization from EL chondrite impact melts. *American Mineralogist*, **1997**, 82, 1001-1006	2.9	22
63	The compositional classification of chondrites: VII. The R chondrite group. *Geochimica Et Cosmochimica Acta*, **1996**, 60, 2243-2256	5.5	136
62	The Richfield LL3 chondrite. *Meteoritics and Planetary Science*, **1996**, 31, 925-927	2.8	4
61	A Critical Evaluation of the Evidence for Hot Accretion. *Icarus*, **1996**, 124, 86-96	3.8	12
60	Compound chondrules. *Geochimica Et Cosmochimica Acta*, **1995**, 59, 1847-1869	5.5	92

59	Fractionation of refractory siderophile elements in metal from the Rose City meteorite. *Meteoritics*, **1995**, 30, 412-417		35
58	Coolidge and Loongana 001: A new carbonaceous chondrite grouplet. *Meteoritics*, **1995**, 30, 20-27		35
57	Euhedral tetrataenite in the Jelica meteorite. *Mineralogical Magazine*, **1994**, 58, 215-221	1.7	25
56	The compositional classification of chondrites: VI. The CR carbonaceous chondrite group. *Geochimica Et Cosmochimica Acta*, **1994**, 58, 2873-2888	5.5	148
55	Pecora Escarpment 91002: A member of the new Rumuruti (R) chondrite group. *Meteoritics*, **1994**, 29, 255-264		56
54	Metallic copper in ordinary chondrites. *Meteoritics*, **1994**, 29, 93-98		75
53	Glass-rich chondrules in ordinary chondrites. *Meteoritics*, **1994**, 29, 697-707		28
52	Equilibration temperatures of EL chondrites: A major downward revision in the ferrosilite contents of enstatite. *Meteoritics*, **1994**, 29, 658-662		22
51	Reduction during metamorphism of four ordinary chondrites. *Geochimica Et Cosmochimica Acta*, **1993**, 57, 1867-1878	5.5	41
50	Magnetite-sulfide chondrules and nodules in CK carbonaceous chondrites: Implications for the timing of CK oxidation. *Meteoritics*, **1993**, 28, 130-135		20
49	First occurrence of pyrophanite (MnTi03) and baddeleyite (ZrO2) in an ordinary chondrite. *Meteoritics*, **1993**, 28, 232-239		27
48	Evolutionary History of the Mesosiderite Asteroid: A Chronologic and Petrologic Synthesis. *Icarus*, **1993**, 101, 201-212	3.8	66
47	Classification of mafic clasts from mesosiderites: Implications for endogenous igneous processes. *Geochimica Et Cosmochimica Acta*, **1992**, 56, 827-840	5.5	54
46	Origin of metallic Fe-Ni in Renazzo and related chondrites. *Geochimica Et Cosmochimica Acta*, **1992**, 56, 2521-2533	5.5	54
45	A shock-metamorphic model for silicate darkening and compositionally variable plagioclase in CK and ordinary chondrites. *Geochimica Et Cosmochimica Acta*, **1992**, 56, 1705-1714	5.5	140
44	The compositional classification of chondrites: V. The Karoonda (CK) group of carbonaceous chondrites. *Geochimica Et Cosmochimica Acta*, **1991**, 55, 881-892	5.5	188
43	Lewis Cliff 85332: A unique carbonaceous chondrite. *Meteoritics*, **1990**, 25, 215-225		48
42	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	5.5	67

41	Kamacite and olivine in ordinary chondrites: Intergroup and intragroup relationships. *Geochimica Et Cosmochimica Acta*, **1990**, 54, 1217-1232	5.5	216
40	Oxygen isotopes in chondrules and coarse-grained chondrule rims from the Allende meteorite. *Earth and Planetary Science Letters*, **1990**, 96, 247-255	5.3	67
39	Size-frequency distributions of chondrules in CO3 chondrites. *Meteoritics*, **1989**, 24, 179-189		73
38	Ordinary chondrites: Bulk compositions, classification, lithophile-element fractionations and composition-petrographic type relationships. *Geochimica Et Cosmochimica Acta*, **1989**, 53, 2747-2767	5.5	273
37	Carlisle Lakes and Allan Hills 85151: Members of a new chondrite grouplet. *Geochimica Et Cosmochimica Acta*, **1989**, 53, 3035-3044	5.5	48
36	Chondrules in the Sharps H3 chondrite: Evidence for intergroup compositional differences among ordinary chondrite chondrules. *Geochimica Et Cosmochimica Acta*, **1989**, 53, 187-195	5.5	26
35	An olivine-microchondrule-bearing clast in the Krymka meteorite. *Meteoritics*, **1989**, 24, 191-192		18
34	ALH85085: a unique volatile-poor carbonaceous chondrite with possible implications for nebular fractionation processes. *Earth and Planetary Science Letters*, **1988**, 91, 33-54	5.3	127
33	Chondrules and matrix in the Ornans CO3 meteorite: Possible precursor components. *Geochimica Et Cosmochimica Acta*, **1988**, 52, 425-432	5.5	48
32	Formation of Ureilites by Impact-Melting of Carbonaceous Chondritic Material. *Meteoritics*, **1988**, 23, 333-337		38
31	The Ningqiang Meteorite: Classification and Petrology of an Anomalous CV Chondrite. *Meteoritics*, **1988**, 23, 13-23		51
30	SIZE-FREQUENCY-DISTRIBUTIONS OF EH3 CHONDRULES. *Meteoritics*, **1987**, 22, 237-251		55
29	Chondrules, matrix and coarse-grained chondrule rims in the Allende meteorite: Origin, interrelationships and possible precursor components. *Geochimica Et Cosmochimica Acta*, **1987**, 51, 1923-1937	5.5	117
28	Original structures, and fragmentation and reassembly histories of asteroids: Evidence from meteorites. *Icarus*, **1987**, 69, 1-13	3.8	134
27	Properties of the Guin ungrouped iron meteorite: the origin of Guin and of group-IIE irons. *Earth and Planetary Science Letters*, **1986**, 76, 209-226	5.3	50
26	Chondrules in the Murray CM2 meteorite and compositional differences between CM-CO and ordinary chondrite chondrules. *Geochimica Et Cosmochimica Acta*, **1986**, 50, 307-315	5.5	72
25	Composition and formation of metal nodules and veins in ordinary chondrites. *Geochimica Et Cosmochimica Acta*, **1986**, 50, 1989-1995	5.5	44
24	THE COLONY METEORITE AND VARIATIONS IN CO3 CHONDRITE PROPERTIES. *Meteoritics*, **1985**, 20, 175-196		57

23	PHOSPHATE-SULFIDE ASSEMBLAGES AND Al/Ca RATIOS IN TYPE-3 CHONDRITES. *Meteoritics*, **1985**, 20, 479-489		30
22	Formation of mesosiderites by low-velocity impacts as a natural consequence of planet formation. *Nature*, **1985**, 318, 168-170	50.4	48
21	Chondrules in the Qingzhen type-3 enstatite chondrite: Possible precursor components and comparison to ordinary chondrite chondrules. *Geochimica Et Cosmochimica Acta*, **1985**, 49, 1781-1795	5.5	88
20	Impact melt products of chondritic material. *Reviews of Geophysics*, **1985**, 23, 277	23.1	104
19	First known EL5 chondrite?Evidence for dual genetic sequence for enstatite chondrites. *Nature*, **1984**, 308, 257-259	50.4	26
18	Oxygen isotopic compositions of enstatite chondrites and aubrites. *Journal of Geophysical Research*, **1984**, 89, C245		127
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