

# Derek W G Sears

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,675  
citations

361413

20  
h-index

276875

41  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1388  
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact and recovery of asteroid 2018 LA. <i>Meteoritics and Planetary Science</i> , 2021, 56, 844-893.	1.6	21
2	The SariĖĖek howardite fall in Turkey: Source crater of <sc>HED</sc> meteorites on Vesta and impact risk of Vestoids. <i>Meteoritics and Planetary Science</i> , 2019, 54, 953-1008.	1.6	30
3	XĖray computed tomography of extraterrestrial rocks eradicates their natural radiation record and the information it contains. <i>Meteoritics and Planetary Science</i> , 2018, 53, 2624-2631.	1.6	9
4	Induced thermoluminescence as a method for dating recent volcanism: Eastern Snake River Plain, Idaho, USA. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 906-922.	3.4	4
5	XĖray computed tomography imaging: A notĖsoĖnondestructive technique. <i>Meteoritics and Planetary Science</i> , 2016, 51, 833-838.	1.6	20
6	The VicĖncia meteorite fall: A new unshocked (S1) weakly metamorphosed (3.2) <sc>LL</sc> chondrite. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1089-1111.	1.6	14
7	Oral histories in meteoritics and planetary science-XXIV: William K. Hartmann. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1119-1138.	1.6	0
8	Oral histories in meteoritics and planetary science Ė“ XXII : John T. Wasson. <i>Meteoritics and Planetary Science</i> , 2014, 49, 706-721.	1.6	0
9	The Sutter’s Mill meteorite: Thermoluminescence data on thermal and metamorphic history. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2047-2055.	1.6	2
10	Fall, recovery, and characterization of the Novato L6 chondrite breccia. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1388-1425.	1.6	59
11	Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. <i>Science</i> , 2013, 342, 1069-1073.	12.6	487
12	Oral Histories in Meteoritics and Planetary ScienceĖ“ <sc>XXI</sc>: Donald Burnett. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1715-1732.	1.6	0
13	Oral Histories in Meteoritics and Planetary ScienceĖ“ <sc>XXIII</sc>: Dieter StĖffler. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1733-1751.	1.6	1
14	Radar-Enabled Recovery of the SutterĖs Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. <i>Science</i> , 2012, 338, 1583-1587.	12.6	191
15	Oral Histories in Meteoritics and Planetary ScienceĖ“ XIX: Klaus Keil. <i>Meteoritics and Planetary Science</i> , 2012, 47, 1891-1906.	1.6	3
16	IRTF observations of S complex and other asteroids: Implications for surface compositions, the presence of clinopyroxenes, and their relationship to meteorites. <i>Meteoritics and Planetary Science</i> , 2012, 47, 1789-1808.	1.6	15
17	Oral histories in <i>meteoritics and planetary science</i>Ė“ XVI: Donald D. Bogard. <i>Meteoritics and Planetary Science</i> , 2012, 47, 416-433.	1.6	1
18	Oral histories in meteoritics and planetary science: A commentary. <i>Meteoritics and Planetary Science</i> , 2012, 47, 414-415.	1.6	0

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19	Oral Histories in Meteoritics and Planetary Science - XV: John Wood. Meteoritics and Planetary Science, 2012, 47, 903-915.	1.6	0
20	Oral Histories in Meteoritics and Planetary Science – XVII: Joseph Goldstein. Meteoritics and Planetary Science, 2012, 47, 916-926.	1.6	1
21	2012 Service Award of the Meteoritical Society for Ursula Marvin. Meteoritics and Planetary Science, 2012, 47, 1238-1240.	1.6	0
22	The natural thermoluminescence of Antarctic meteorites and their terrestrial ages and orbits: A 2010 update. Meteoritics and Planetary Science, 2011, 46, 79-91.	1.6	3
23	The thermoluminescence of meteorites: A brief 2010 perspective. Geochronometria, 2011, 38, 303-313.	0.8	0
24	An investigation of the presence and nature of phyllosilicates on the surfaces of C asteroids by an analysis of the continuum slopes in their near-infrared spectra. Meteoritics and Planetary Science, 2010, 45, 615-637.	1.6	13
25	The fine-grained matrix of the Semarkona LL3.0 ordinary chondrite: An induced thermoluminescence study. Meteoritics and Planetary Science, 2009, 44, 643-652.	1.6	5
26	Sublimation rate of ice under simulated Mars conditions and the effect of layers of mock regolith JSC Mars-1. Geophysical Research Letters, 2007, 34, .	4.0	52
27	On laboratory simulation and the evaporation rate of water on Mars. Geophysical Research Letters, 2005, 32, .	4.0	46
28	On laboratory simulation and the temperature dependence of the evaporation rate of brine on Mars. Geophysical Research Letters, 2005, 32, .	4.0	45
29	Terrestrial age measurements using natural thermoluminescence of a drained zone under the fusion crust of Antarctic ordinary chondrites. Meteoritics and Planetary Science, 2000, 35, 869-874.	1.6	9
30	Evidence for low-temperature growth of fayalite and hedenbergite in MacAlpine Hills 88107, an ungrouped carbonaceous chondrite related to the CM-CCO clan. Meteoritics and Planetary Science, 2000, 35, 1365-1386.	1.6	46
31	The non-trivial problem of meteorite pairing. Meteoritics and Planetary Science, 2000, 35, 393-417.	1.6	21
32	Laboratory simulation of the physical processes occurring on and near the surfaces of comet nuclei. Meteoritics and Planetary Science, 1999, 34, 497-525.	1.6	40
33	Simulation Experiments with Cometary Analogous Material. Earth, Moon and Planets, 1998, 80, 369-411.	0.6	16
34	The crystalline lunar spherules: Their formation and implications for the origin of meteoritic chondrules. Meteoritics and Planetary Science, 1998, 33, 13-29.	1.6	60
35	Martian –microfossils– in lunar meteorites?. Meteoritics and Planetary Science, 1998, 33, 791-794.	1.6	17
36	The oxygen isotopic properties of olivines in the Semarkona ordinary chondrite. Meteoritics and Planetary Science, 1998, 33, 1029-1032.	1.6	27

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37	Nebular or parent body alteration of chondritic material: Neither or both?. <i>Meteoritics and Planetary Science</i> , 1998, 33, 1157-1167.	1.6	24
38	The metamorphic history of eucrites and eucrite-related meteorites and the case for late metamorphism. <i>Meteoritics and Planetary Science</i> , 1997, 32, 917-927.	1.6	13
39	The thermometry of enstatite chondrites: A brief review and update. <i>Meteoritics and Planetary Science</i> , 1996, 31, 647-655.	1.6	33
40	Pyroxene structures, cathodoluminescence and the thermal history of the enstatite chondrites. <i>Meteoritics and Planetary Science</i> , 1996, 31, 87-96.	1.6	27
41	The thermal and radiation exposure history of lunar meteorites. <i>Meteoritics and Planetary Science</i> , 1996, 31, 869-875.	1.6	14
42	Metamorphism and aqueous alteration in low petrographic type ordinary chondrites. <i>Meteoritics</i> , 1995, 30, 169-181.	1.4	57
43	Chemical and physical studies of type 3 chondrites XII: The metamorphic history of CV chondrites and their components. <i>Meteoritics</i> , 1995, 30, 704-714.	1.4	93
44	The natural thermoluminescence of meteorites: 5. Ordinary chondrites at the Allan Hills Ice Fields. <i>Journal of Geophysical Research</i> , 1993, 98, 1875-1888.	3.3	15
45	Consortium study of the unusual H chondrite regolith breccia, Noblesville. <i>Meteoritics</i> , 1993, 28, 528-537.	1.4	10
46	The natural thermoluminescence of meteorites 4. Ordinary chondrites at the Lewis Cliff Ice Field. <i>Journal of Geophysical Research</i> , 1992, 97, 4629-4647.	3.3	23
47	Metamorphism of eucrite meteorites studied quantitatively using induced thermoluminescence. <i>Nature</i> , 1991, 349, 516-518.	27.8	16
48	Induced Thermoluminescence and Cathodoluminescence Studies of Meteorites. <i>ACS Symposium Series</i> , 1990, , 190-222.	0.5	5
49	The natural thermoluminescence of meteorites: I. Twenty-three Antarctic meteorites of known <sup>26</sup> Al content. <i>Journal of Geophysical Research</i> , 1987, 92, E703.	3.3	23
50	The type three ordinary chondrites: A review. <i>Surveys in Geophysics</i> , 1987, 9, 43-97.	4.6	40
51	A thermoluminescence study of experimentally shock-loaded oligoclase and bytownite. <i>Journal of Geophysical Research</i> , 1986, 91, E263.	3.3	12
52	The thermoluminescence sensitivity •Metamorphism relationship in ordinary chondrites: Experimental data on the mechanism and implications for terrestrial systems. <i>Geophysical Research Letters</i> , 1986, 13, 969-972.	4.0	12