

Herbert Palme

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,148
citations

331670

21
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

1289
citing authors

#	ARTICLE	IF	CITATIONS
1	Collisional erosion and the non-chondritic composition of the terrestrial planets. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 4205-4238.	3.4	230
2	Evidence for oxidizing conditions in the solar nebula from Mo and W depletions in refractory inclusions in carbonaceous chondrites. Earth and Planetary Science Letters, 1985, 72, 311-326.	4.4	193
3	A metal particle from a Ca,Al-rich inclusion from the meteorite Allende, and the condensation of refractory siderophile elements. Earth and Planetary Science Letters, 1976, 33, 45-60.	4.4	161
4	Solar System Abundances of the Elements. , 2014, , 15-36.		136
5	On the chemistry of the Allende inclusions and their origin as high temperature condensates. Earth and Planetary Science Letters, 1974, 23, 1-7.	4.4	127
6	Paired Renazzo-type (CR) carbonaceous chondrites from the Sahara. Geochimica Et Cosmochimica Acta, 1993, 57, 1587-1603.	3.9	125
7	The effect of oxygen fugacity and temperature on solubilities of nickel, cobalt, and molybdenum in silicate melts. Geochimica Et Cosmochimica Acta, 1994, 58, 1975-1981.	3.9	122
8	Sulfur and selenium in chondritic meteorites. Meteoritics, 1995, 30, 439-445.	1.4	119
9	The chemical relationship between chondrules and matrix and the chondrule matrix complementarity. Earth and Planetary Science Letters, 2010, 294, 85-93.	4.4	116
10	The origin of chondrules: Constraints from matrix composition and matrix-chondrule complementarity. Earth and Planetary Science Letters, 2015, 411, 11-19.	4.4	86
11	Fayalite-rich rims, veins, and halos around and in forsteritic olivines in CAIs and chondrules in carbonaceous chondrites: Types, compositional profiles and constraints of their formation. Geochimica Et Cosmochimica Acta, 1988, 52, 1389-1408.	3.9	74
12	Elemental and isotopic fractionations produced through evaporation of the Allende CV chondrite: Implications for the origin of HAL-type hibonite inclusions. Geochimica Et Cosmochimica Acta, 1996, 60, 1975-1997.	3.9	70
13	Refractory element fractionation in the Allende meteorite: Implications for solar nebula condensation and the chondritic composition of planetary bodies. Geochimica Et Cosmochimica Acta, 2012, 85, 114-141.	3.9	68
14	Fractionation of volatile elements in the early solar system: evidence from heating experiments on primitive meteorites. Planetary and Space Science, 1995, 43, 451-468.	1.7	65
15	The solar system abundances of phosphorus and titanium and the nebular volatility of phosphorus. Meteoritics and Planetary Science, 2001, 36, 559-571.	1.6	65
16	Constraints for chondrule formation from Ca-Al distribution in carbonaceous chondrites. Earth and Planetary Science Letters, 2008, 265, 716-725.	4.4	65
17	The influence of FeO on the solubilities of cobalt and nickel in silicate melts. Geochimica Et Cosmochimica Acta, 1996, 60, 1181-1193.	3.9	57
18	Origin of SiO ₂ -rich components in ordinary chondrites. Geochimica Et Cosmochimica Acta, 2006, 70, 1548-1564.	3.9	57

#	ARTICLE	IF	CITATIONS
19	The conditions of chondrule formation, Part I: Closed system. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4092-4107.	3.9	44
20	Instrumental neutron activation analysis of lunar samples and the identification of primary matter in the Lunar Highlands. <i>Journal of Radioanalytical Chemistry</i> , 1977, 38, 363-378.	0.5	38
21	Partitioning of Na between olivine and melt: An experimental study with application to the formation of meteoritic Na ₂ O-rich chondrule glass and refractory forsterite grains. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5558-5573.	3.9	32
22	Composition, petrology, and chondrule-matrix complementarity of the recently discovered Jbilet Winselwan CM2 chondrite. <i>Meteoritics and Planetary Science</i> , 2018, 53, 2470-2491.	1.6	24
23	Siderophile elements in chondrules of CV chondrites. <i>Chemie Der Erde</i> , 2014, 74, 507-516.	2.0	21
24	Composition of Chondrules and Matrix and Their Complementary Relationship in Chondrites. , 0, , 91-121.		17
25	Complementary element relationships between chondrules and matrix in Rumuruti chondrites. <i>Earth and Planetary Science Letters</i> , 2017, 480, 87-96.	4.4	15
26	The composition of CI chondrites and their contents of chlorine and bromine: Results from instrumental neutron activation analysis. <i>Meteoritics and Planetary Science</i> , 2022, 57, 317-333.	1.6	9
27	Heating experiments relevant to the depletion of Na, K and Mn in the Earth and other planetary bodies. <i>Chemie Der Erde</i> , 2019, 79, 125540.	2.0	6
28	Formation of chondrules and matrix in Kakangari chondrites. <i>Earth and Planetary Science Letters</i> , 2020, 542, 116286.	4.4	6
29	Ahmed El Goresy 1934-2019. <i>Meteoritics and Planetary Science</i> , 2020, 55, 457-459.	1.6	0