

Oliver Lord

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,245
citations

394421

19
h-index

434195

31
g-index

34
all docs

34
docs citations

34
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrous silicate melts and the deep mantle H ₂ O cycle. Earth and Planetary Science Letters, 2022, 581, 117408.	4.4	9
2	Clean-limit superconductivity in H_3S synthesized from sulfur and hydrogen donor ammonia borane. Physical Review B, 2022, 105, .	3.2	16
3	Internal resistive heating of non-metallic samples to 3000 K and >60 GPa in the diamond anvil cell. Review of Scientific Instruments, 2021, 92, 063904.	1.3	5
4	Thermal stress reduces carbonate production of benthic foraminifera and changes the material properties of their shells. ICES Journal of Marine Science, 2021, 78, 3202-3211.	2.5	2
5	Structural Ordering in Liquid Gallium under Extreme Conditions. Physical Review Letters, 2020, 124, 145501.	7.8	15
6	Ontogenetic disparity in early planktic foraminifers. Journal of Micropalaeontology, 2020, 39, 27-39.	3.6	8
7	The fate of carbonate in oceanic crust subducted into earth's lower mantle. Earth and Planetary Science Letters, 2019, 511, 213-222.	4.4	28
8	The speciation, distribution, transport, and impact of volatile elements in the Earth's interior. Chemical Geology, 2018, 478, 1.	3.3	0
9	MIRRORS: A MATLAB GUI for temperature measurement by multispectral imaging radiometry. Review of Scientific Instruments, 2018, 89, 104903.	1.3	3
10	10.1063/1.5041360.1., 2018, , .		0
11	High-pressure melting behavior of tin up to 105 GPa. Physical Review B, 2017, 95, .	3.2	32
12	Fe-FeO and Fe-Fe ₃ C melting relations at Earth's core-mantle boundary conditions: Implications for a volatile-rich or oxygen-rich core. Earth and Planetary Science Letters, 2017, 473, 94-103.	4.4	77
13	Experimental constraints on melting temperatures in the MgO-SiO ₂ system at lower mantle pressures. Earth and Planetary Science Letters, 2017, 472, 186-196.	4.4	22
14	On the damage and fracture of nuclear graphite at multiple length-scales. Journal of Nuclear Materials, 2017, 493, 246-254.	2.7	24
15	Structure and Density of Fe Liquid Alloys Under High Pressure. Journal of Geophysical Research: Solid Earth, 2017, 122, 7813-7823.	3.4	28
16	The phase diagram of NiSi under the conditions of small planetary interiors. Physics of the Earth and Planetary Interiors, 2016, 261, 196-206.	1.9	8
17	The stability of hydrous silicates in Earth's lower mantle: Experimental constraints from the systems MgO-SiO ₂ -H ₂ O and MgO-Al ₂ O ₃ -SiO ₂ -H ₂ O. Chemical Geology, 2015, 418, 16-29.	3.3	77
18	The equation of state of the Pmmn phase of NiSi. Journal of Applied Crystallography, 2015, 48, 1914-1920.	4.5	2

#	ARTICLE	IF	CITATIONS
19	The melting curve of Ni to 1 Mbar. <i>Earth and Planetary Science Letters</i> , 2014, 408, 226-236.	4.4	55
20	Experimental determination of melting in the systems enstatite-magnesite and magnesite-calcite from 15 to 80 GPa. <i>American Mineralogist</i> , 2014, 99, 1544-1554.	1.9	23
21	The NiSi melting curve to 70GPa. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 233, 13-23.	1.9	36
22	The role of beam dispersion in Raman and photo-stimulated luminescence piezo-spectroscopy of yttria-stabilized zirconia in multi-layered coatings. <i>Acta Materialia</i> , 2013, 61, 12-21.	7.9	25
23	Perovskite Phase Relations in the System CaO-MgO-TiO ₂ -SiO ₂ and Implications for Deep Mantle Lithologies. <i>Journal of Petrology</i> , 2012, 53, 611-635.	2.8	28
24	Calibration of Raman Spectroscopy in the Stress Measurement of Air-Plasma-Sprayed Yttria-Stabilized Zirconia. <i>Applied Spectroscopy</i> , 2012, 66, 1204-1209.	2.2	24
25	High-pressure phase transitions and equations of state in NiSi. II. Experimental results. <i>Journal of Applied Crystallography</i> , 2012, 45, 726-737.	4.5	10
26	Phase transition and metallization of FeO at high pressures and temperatures. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	42
27	Equation of state and phase diagram of FeO. <i>Earth and Planetary Science Letters</i> , 2011, 304, 496-502.	4.4	111
28	The FeSi phase diagram to 150 GPa. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	41
29	Thermal diffusivity of MORB-composition rocks to 15 GPa: implications for triggering of deep seismicity. <i>High Pressure Research</i> , 2010, 30, 406-414.	1.2	14
30	Melting in the Fe-C system to 70 GPa. <i>Earth and Planetary Science Letters</i> , 2009, 284, 157-167.	4.4	216
31	X-ray absorption contrast images of binary chemical reactions. <i>Chemical Geology</i> , 2009, 260, 211-220.	3.3	6
32	Primary carbonatite melt from deeply subducted oceanic crust. <i>Nature</i> , 2008, 454, 622-625.	27.8	225
33	Subsolidus phase relations and perovskite compressibility in the system MgO-Al _{0.5} -SiO ₂ with implications for Earth's lower mantle. <i>Earth and Planetary Science Letters</i> , 2006, 248, 77-89.	4.4	33