Thomas Meier

List of Publications by Year
in descending order

18	255	933447 10	940533 16
papers	citations	h-index	g-index

19	19	19	225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural independence of hydrogen-bond symmetrisation dynamics at extreme pressure conditions. Nature Communications, 2022, 13, .	12.8	10
2	Absence of proton tunneling during the hydrogen-bond symmetrization in Î˜â^'AlOOH. Physical Review B, 2021, 104, .	3.2	7
3	In situ high-pressure nuclear magnetic resonance crystallography in one and two dimensions. Matter and Radiation at Extremes, 2021, 6, .	3.9	9
4	Nuclear spin coupling crossover in dense molecular hydrogen. Nature Communications, 2020, 11, 6334.	12.8	7
5	Proton dynamics in high-pressure ice-VII from density functional theory. Physical Review B, 2020, 102, .	3.2	12
6	Proton mobility in metallic copper hydride from high-pressure nuclear magnetic resonance. Physical Review B, 2020, 102, .	3.2	14
7	Pressure-Induced Hydrogen-Hydrogen Interaction in Metallic FeH Revealed by NMR. Physical Review X, 2019, 9, .	8.9	16
8	Improving resolution of solid state NMR in dense molecular hydrogen. Applied Physics Letters, 2019, 115, .	3.3	7
9	Table-top nuclear magnetic resonance system for high-pressure studies with in situ laser heating. Review of Scientific Instruments, 2019, 90, 123901.	1.3	7
10	Journey to the centre of the Earth: Jules Vernesâ€™ dream in the laboratory from an NMR perspective. Progress in Nuclear Magnetic Resonance Spectroscopy, 2018, 106-107, 26-36.	7.5	12
11	NMR at pressures up to 90â€¯GPa. Journal of Magnetic Resonance, 2018, 292, 44-47.	2.1	21
12	At Its Extremes: NMR at Giga-Pascal Pressures. Annual Reports on NMR Spectroscopy, 2018, 93, 1-74.	1.5	14
13	Observation of nuclear quantum effects and hydrogen bond symmetrisation in high pressure ice. Nature Communications, 2018, 9, 2766.	12.8	43
14	Magnetic flux tailoring through Lenz lenses for ultrasmall samples: A new pathway to high-pressure nuclear magnetic resonance. Science Advances, 2017, 3, eaao5242.	10.3	38
15	Anvil cell gasket design for high pressure nuclear magnetic resonance experiments beyond 30 GPa. Review of Scientific Instruments, 2015, 86, 123906.	1.3	9
16	Moissanite anvil cell design for giga-pascal nuclear magnetic resonance. Review of Scientific Instruments, 2014, 85, 043903.	1.3	15
17	High-Sensitivity Nuclear Magnetic Resonance at Giga-Pascal Pressures: A New Tool for Probing Electronic and Chemical Properties of Condensed Matter under Extreme Conditions. Journal of Visualized Experiments, 2014, , e52243.	0.3	2
18	The interaction of lipid modified pseudopeptides with lipid membranes. Organic and Biomolecular Chemistry, 2011, 9, 6998.	2.8	12