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	Observation of nuclear quantum effects and hydrogen bond symmetrisation in high pressure ice. Nature Communications, 2018, 9, 2766.	12.8	43
2	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
3	NMR at pressures up to 90â€¯GPa. Journal of Magnetic Resonance, 2018, 292, 44-47.	2.1	21
4	Pressure-Induced Hydrogen-Hydrogen Interaction in Metallic FeH Revealed by NMR. Physical Review X, 2019, 9, .	8.9	16
5	Moissanite anvil cell design for giga-pascal nuclear magnetic resonance. Review of Scientific Instruments, 2014, 85, 043903.	1.3	15
6	At Its Extremes: NMR at Giga-Pascal Pressures. Annual Reports on NMR Spectroscopy, 2018, 93, 1-74.	1.5	14
7	Proton mobility in metallic copper hydride from high-pressure nuclear magnetic resonance. Physical Review B, 2020, 102, .	3.2	14
8	The interaction of lipid modified pseudopeptides with lipid membranes. Organic and Biomolecular Chemistry, 2011, 9, 6998.	2.8	12
9	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
10	Proton dynamics in high-pressure ice-VII from density functional theory. Physical Review B, 2020, 102, .	3.2	12
11	Structural independence of hydrogen-bond symmetrisation dynamics at extreme pressure conditions. Nature Communications, 2022, 13, .	12.8	10
12	Anvil cell gasket design for high pressure nuclear magnetic resonance experiments beyond 30 GPa. Review of Scientific Instruments, 2015, 86, 123906.	1.3	9
13	In situ high-pressure nuclear magnetic resonance crystallography in one and two dimensions. Matter and Radiation at Extremes, 2021, 6, .	3.9	9
14	Improving resolution of solid state NMR in dense molecular hydrogen. Applied Physics Letters, 2019, 115, .	3.3	7
15	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
16	Nuclear spin coupling crossover in dense molecular hydrogen. Nature Communications, 2020, 11, 6334.	12.8	7
17	Absence of proton tunneling during the hydrogen-bond symmetrization in Î´â^'AlOOH. Physical Review B, 2021, 104, .	3.2	7
18	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