Saiana Khandarkhaeva

List of Publications by Year
in descending order

23	270	933447 10	940533 16
papers	citations	h-index	g-index

23	23	23	293
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Testing the performance of secondary anvils shaped with focused ion beam from the single-crystal diamond for use in double-stage diamond anvil cells. Review of Scientific Instruments, 2022, 93, 033904.	1.3	2
2	Structural Diversity of Magnetite and Products of Its Decomposition at Extreme Conditions. Inorganic Chemistry, 2022, 61, 1091-1101.	4.0	7
3	Materials synthesis at terapascal static pressures. Nature, 2022, 605, 274-278.	27.8	35
4	Structural independence of hydrogen-bond symmetrisation dynamics at extreme pressure conditions. Nature Communications, 2022, 13, .	12.8	10
5	Synthesis and Compressibility of Novel Nickel Carbide at Pressures of Earthâ€™s Outer Core. Minerals (Basel, Switzerland), 2021, 11, 516.	2.0	5
6	Isothermal equation of state of crystalline and glassy materials from optical measurements in diamond anvil cells. Review of Scientific Instruments, 2021, 92, 063907.	1.3	3
7	Chemical Stability of FeOOH at High Pressure and Temperature, and Oxygen Recycling in Early Earth History**. European Journal of Inorganic Chemistry, 2021, 2021, 3048-3053.	2.0	16
8	Structural Stability and Properties of Marokite-Type Î³-Mn₃O₄. Inorganic Chemistry, 2021, 60, 13440-13452.	4.0	4
9	Synthesis of Ilmenite-type Îµ-Mn2O3 and Its Properties. Inorganic Chemistry, 2021, 60, 13348-13358.	4.0	4
10	Novel High-Pressure Yttrium Carbide Î³â^'Y4C5 Containing [C2] and Nonlinear [C3] Units with Unusually Large Formal Charges. Physical Review Letters, 2021, 127, 135501.	7.8	6
11	In situ high-pressure nuclear magnetic resonance crystallography in one and two dimensions. Matter and Radiation at Extremes, 2021, 6, .	3.9	9
12	Nuclear spin coupling crossover in dense molecular hydrogen. Nature Communications, 2020, 11, 6334.	12.8	7
13	Proton mobility in metallic copper hydride from high-pressure nuclear magnetic resonance. Physical Review B, 2020, 102, .	3.2	14
14	The Effect of Pulsed Laser Heating on the Stability of Ferropericlase at High Pressures. Minerals (Basel, Switzerland), 2020, 10, 542.	2.0	2
15	Novel Rhenium Carbides at 200 GPa. European Journal of Inorganic Chemistry, 2020, 2020, 2186-2190.	2.0	10
16	Pressure-Induced Hydrogen-Hydrogen Interaction in Metallic FeH Revealed by NMR. Physical Review X, 2019, 9, .	8.9	16
17	Improving resolution of solid state NMR in dense molecular hydrogen. Applied Physics Letters, 2019, 115, .	3.3	7
18	Equations of state of rhodium, iridium and their alloys up to 70â€¯GPa. Journal of Alloys and Compounds, 2019, 788, 212-218.	5.5	17

#	Article	IF	Citations
19	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
20	Synthesis of FeN₄at 180â€…GPa and its crystal structure from a submicron-sized grain. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1392-1395.	0.5	25
21	NMR at pressures up to 90â€¯GPa. Journal of Magnetic Resonance, 2018, 292, 44-47.	2.1	21
22	Observation of nuclear quantum effects and hydrogen bond symmetrisation in high pressure ice. Nature Communications, 2018, 9, 2766.	12.8	43
23	Anionic N18 Macrocycles and a Polynitrogen Double Helix in Novel Yttrium Polynitrides YN6 and Y2N11 at 100 GPa. Angewandte Chemie, 0, , .	2.0	0