Irina Chuvashova

List of Publications by Year
in descending order

16	417	1162889 8	1058333 14
papers	citations	h-index	g-index

17	17	17	659
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Terapascal static pressure generation with ultrahigh yield strength nanodiamond. Science Advances, 2016, 2, e1600341.	4.7	161
2	Fe-N system at high pressure reveals a compound featuring polymeric nitrogen chains. Nature Communications, 2018, 9, 2756.	5.8	153
3	Pressure tuning of charge ordering in iron oxide. Nature Communications, 2018, 9, 4142.	5.8	22
4	A Roomâ€Temperature Verweyâ€type Transition in Iron Oxide, Fe₅O₆. Angewandte Chemie - International Edition, 2020, 59, 5632-5636.	7.2	17
5	Nonicosahedral boron allotrope synthesized at high pressure and high temperature. Physical Review B, 2017, 95, .	1.1	14
6	Microwave hydrothermal synthesis of nanodispersed YV1 â^' x P x O4:Eu powders. Doklady Chemistry, 2011, 441, 325-329.	0.2	12
7	High-pressure behavior of Î±-boron studied on single crystals by X-ray diffraction, Raman and IR spectroscopy. Journal of Solid State Chemistry, 2017, 245, 50-60.	1.4	9
8	Structural stability and mechanism of compression of stoichiometric B13C2 up to 68GPa. Scientific Reports, 2017, 7, 8969.	1.6	8
9	Verwey-Type Charge Ordering and Site-Selective Mott Transition in Fe₄O₅ under Pressure. Journal of the American Chemical Society, 2022, 144, 10259-10269.	6.6	7
10	Structural Stability of Boron Carbide under Pressure Proven by Spectroscopic Studies up to 73 GPa. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1357-1363.	0.6	6
11	Microwave synthesis of monodisperse luminescent Y2 â^' x Eu x O3 powders with spherical particles of predetermined size. Doklady Chemistry, 2010, 435, 289-293.	0.2	3
12	Effect of synthesis conditions of the micro- and mesostructure of monodisperse Y(OH)CO3 powders. Doklady Chemistry, 2012, 446, 207-211.	0.2	2
13	A Roomâ€Temperature Verweyâ€type Transition in Iron Oxide, Fe 5 O 6. Angewandte Chemie, 2020, 132, 5681-5685.	1.6	2
14	Reflectance of rhenium as a function of pressure in a diamond anvil cell. Applied Physics Letters, 2022, 120, .	1.5	1
15	Novel nitrogen-rich iron nitrides synthesized at high-pressure high-temperature conditions. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1104-C1104.	0.0	0
16	Innentitelbild: A Roomâ€Temperature Verweyâ€type Transition in Iron Oxide, Fe₅O₆ (Angew. Chem. 14/2020). Angewandte Chemie, 2020, 132, 5450-5450.	1.6	0