

Pei Wang

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Vanadium Diboride (VB_2) Synthesized at High Pressure: Elastic, Mechanical, Electronic, and Magnetic Properties and Thermal Stability. <i>Inorganic Chemistry</i> , 2018, 57, 1096-1105.	1.9	64
2	Hardness and thermal stability enhancement of polycrystalline diamond compact through additive hexagonal boron nitride. <i>Scripta Materialia</i> , 2018, 149, 1-5.	2.6	35
3	Pressure-induced structural and electronic transitions, metallization, and enhanced visible-light responsiveness in layered rhenium disulphide. <i>Physical Review B</i> , 2018, 97, .	1.1	35
4	Submicron cubic boron nitride as hard as diamond. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	34
5	Diamond- <i>c</i> /i>BN alloy: A universal cutting material. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	28
6	High pressure and high temperature study the phase transitions of BiNbO_4 . <i>Solid State Communications</i> , 2013, 156, 21-24.	0.9	25
7	Superstrong micro-grained polycrystalline diamond compact through work hardening under high pressure. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	25
8	Unusual Compression Behavior of Nanocrystalline CeO_2 . <i>Scientific Reports</i> , 2014, 4, 4441.	1.6	21
9	Microstructural and mechanical properties of cBN-Si composites prepared from the high pressure infiltration method. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016, 61, 1-5.	1.7	18
10	Exploring the behavior of molybdenum diboride (MoB_2): A high pressure x-ray diffraction study. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	17
11	Synthesis of novel superhard materials under ultrahigh pressure. <i>Science Bulletin</i> , 2014, 59, 5251-5257.	1.7	15
12	Elastic, magnetic and electronic properties of iridium phosphide Ir_2P . <i>Scientific Reports</i> , 2016, 6, 21787.	1.6	15
13	High-pressure x-ray diffraction study of $\text{YBO}_3/\text{Eu}^{3+}$, GdBO_3 , and EuBO_3 : Pressure-induced amorphization in GdBO_3 . <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	14
14	Preparation of ZrO_2 whiskers through high pressure and high temperature method. <i>Solid State Sciences</i> , 2015, 41, 52-55.	1.5	14
15	Pressure Controls the Structure and Nonlinear Optical Properties of Piezochromic CdTeMoO_6 . <i>Chemistry of Materials</i> , 2021, 33, 2929-2936.	3.2	12
16	Anomalous pressure-induced phase transformation in nano-crystalline erbium sesquioxide (Er_2O_3): partial amorphization under compression. <i>High Pressure Research</i> , 2014, 34, 70-77.	0.4	10
17	Structural and Physical Properties of ZrSi_2 under High Pressure: Experimental Study and First-Principles Calculations. <i>Inorganic Chemistry</i> , 2019, 58, 405-410.	1.9	8
18	Pressure transmitting medium-dependent structure stability of nanoanatase TiO_2 under high pressure. <i>High Pressure Research</i> , 2014, 34, 259-265.	0.4	7

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19	High pressure infiltration sintering behavior of WC-Co alloys. High Pressure Research, 2016, 36, 585-594.	0.4	7
20	High pressure infiltration sintering of cBN-Si composites. International Journal of Refractory Metals and Hard Materials, 2015, 50, 247-252.	1.7	6
21	Novel Nitride Materials Synthesized at High Pressure. Crystals, 2021, 11, 614.	1.0	6
22	Concurrent Pressure-Induced Spin-State Transitions and Jahn-Teller Distortions in MnTe. Chemistry of Materials, 2022, 34, 3931-3940.	3.2	6
23	The synthesis of ZnP ₄ based on liquid-solid reaction under high pressure and temperature. Solid State Sciences, 2013, 21, 51-53.	1.5	5
24	High-pressure synthesis and in-situ high pressure x-ray diffraction study of cadmium tetraphosphide. Journal of Applied Physics, 2013, 113, 053507.	1.1	5
25	Anomalous compression behavior of 12 nm nanocrystalline TiO ₂ . Journal of Applied Physics, 2017, 121, .	1.1	5
26	Orientation Dependent Mechanical Responses and Plastic Deformation Mechanisms of ZnSe Nano Films under Nanoindentation. Nanomaterials, 2021, 11, 3014.	1.9	4
27	High-Pressure and High-Temperature Synthesis and In Situ High-Pressure Synchrotron X-ray Diffraction Study of HfSi ₂ . Inorganic Chemistry, 2021, 60, 15215-15222.	1.9	3
28	Sound Velocities, Elasticity, and Mechanical Properties of Stoichiometric Submicron Polycrystalline β -MoN at High Pressure. Inorganic Chemistry, 2021, 60, 11897-11906.	1.9	2
29	sp ² -to-sp ³ transitions in graphite during cold-compression. Physical Chemistry Chemical Physics, 2022, 24, 10561-10566.	1.3	2
30	Cadmium phosphide, Cd ₇ P ₁₀ , prepared at high pressures. High Pressure Research, 0, , 1-7.	0.4	1