

Pavel G Naumov

List of Publications by Year in descending order

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1,214
citations

687220

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395590

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38
all docs

38
docs citations

38
times ranked

2718
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Setup for a Piston-Cylinder Pressure Cell: A Two-Volume Approach. Physical Review Applied, 2022, 17, .	1.5	2
2	A Room-Temperature Verwey-Type Transition in Iron Oxide, Fe ₅ O ₆ . Angewandte Chemie, 2020, 132, 5681-5685.	1.6	2
3	A Room-Temperature Verwey-Type Transition in Iron Oxide, Fe ₅ O ₆ . Angewandte Chemie - International Edition, 2020, 59, 5632-5636.	7.2	17
4	Innentitelbild: A Room-Temperature Verwey-Type Transition in Iron Oxide, Fe ₅ O ₆ (Angew. Chem. 14/2020). Angewandte Chemie, 2020, 132, 5450-5450.	1.6	0
5	Pressure-induced collapse of large-moment magnetic order and localized-to-itinerant electronic transition in the host-guest compound C_6S_2	1.1	0
6	Pressure-induced metallization, transition to the pyrite-type structure, and superconductivity in palladium disulfide PdS_2	1.1	25
7	Large resistivity reduction in mixed-valent $CsAuBr_3$	1.1	1
8	High-pressure magnetism of the double perovskite $Sr_2Fe_5S_8$ studied by synchrotron Mössbauer spectroscopy. Physical Review B, 2019, 100, .	1.1	8
9	Pressure-induced Lifshitz transition in NbP: Raman, x-ray diffraction, electrical transport, and density functional theory. Physical Review B, 2018, 97, .	1.1	5
10	Pressure-induced superconductivity and topological quantum phase transitions in a quasi-one-dimensional topological insulator: Bi ₄ I ₄ . Npj Quantum Materials, 2018, 3, .	1.8	34
11	Pressure-induced Lifshitz and structural transitions in NbAs and TaAs: experiments and theory. Journal of Physics Condensed Matter, 2018, 30, 185401.	0.7	8
12	Interplay Between Superconductivity and Magnetism in Cu-Doped FeSe Under Pressure. Journal of Superconductivity and Novel Magnetism, 2018, 31, 763-769.	0.8	6
13	Pressure-induced metallization in layered ReSe ₂ . Journal of Physics Condensed Matter, 2018, 30, 035401.	0.7	12
14	Topological Quantum Phase Transition and Superconductivity Induced by Pressure in the Bismuth Tellurohalide BiTeI. Advanced Materials, 2017, 29, 1605965.	11.1	51
15	More Than 50 Years after Its Discovery in SiO ₂ Octahedral Coordination Has Also Been Established in SiS ₂ at High Pressure. Inorganic Chemistry, 2017, 56, 372-377.	1.9	6
16	Pressure-induced superconductivity up to 13.1 K in the pyrite phase of palladium diselenide PdS_2	1.1	66
17	Pressure-induced collapse of the collapsed tetragonal phase in BaC_2	1.1	13
18	Pressure-induced magnetic collapse and metallization of TlFe _{1.6} Se ₂ . Physical Review B, 2017, 96, .	1.1	5

#	ARTICLE	IF	CITATIONS
19	Large nonsaturating magnetoresistance and pressure-induced phase transition in the layered semimetal HfTe_2 . Physical Review B, 2017, 96, .	1.1	34
20	Pressure effect on superconductivity in $\text{FeSe}_{0.5}\text{Te}_{0.5}$. Physica Status Solidi (B): Basic Research, 2017, 254, 1600161.	0.7	7
21	Suppression of the ferromagnetic order in the Heusler alloy $\text{Ni}_{50}\text{Mn}_{35}\text{In}_{15}$ by hydrostatic pressure. Applied Physics Letters, 2016, 108, 261903.	1.5	8
22	Atomic and electronic structures evolution of the narrow band gap semiconductor Ag_2Se under high pressure. Journal of Physics Condensed Matter, 2016, 28, 385801.	0.7	9
23	Pressure-driven superconductivity in the transition-metal pentatelluride HfTe_5 . Physical Review B, 2016, 94, .	1.1	46
24	Pressure-induced transition to Ni_2In -type phase in lithium sulfide (Li_2S). Solid State Sciences, 2016, 61, 220-224.	1.5	4
25	Superconductivity in Weyl semimetal candidate MoTe_2 . Nature Communications, 2016, 7, 11038.	5.8	611
26	Phase transitions of cesium azide at pressures up to 30 GPa studied using <i>in situ</i> Raman spectroscopy. Journal of Applied Physics, 2015, 117, 165901.	1.1	10
27	Structural transitions under high-pressure in a langasite-type multiferroic $\text{Ba}_3\text{TaFe}_3\text{Si}_2\text{O}_{14}$. Solid State Sciences, 2015, 49, 37-42.	1.5	2
28	Ammonia as a case study for the spontaneous ionization of a simple hydrogen-bonded compound. Nature Communications, 2014, 5, 3460.	5.8	70
29	Structure and electrical resistivity of mixed-valent EuNi_2P_2 at high pressure. Journal of Physics Condensed Matter, 2014, 26, 335701.	0.7	6
30	Quantum critical point and spin fluctuations in lower-mantle ferropericlase. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7142-7147.	3.3	29
31	Pressure-tuned vibrational resonance coupling of intramolecular fundamentals in ammonium azide (NH_4N_3). Vibrational Spectroscopy, 2012, 58, 188-192.	1.2	17
32	Structural and magnetic properties of the iron-containing langasite family $\text{M}_3\text{A}_3\text{M}_2\text{O}_{14}$. Physical Review B, 2010, 81, 014407.	1.1	48
33	A closed-cycle cryostat for optical and Mössbauer spectroscopy in the temperature range 4.2–300 K. Instruments and Experimental Techniques, 2010, 53, 770-776.	0.1	24
34	Magnetic transition and spin rotation in a new multiferroic $\text{Ba}_3\text{TaFe}_3\text{Si}_2\text{O}_{14}$ observed by the Mössbauer spectroscopy. Europhysics Letters, 2010, 90, 67005.	0.7	24
35	Effect of voltage-current characteristic smoothness on the stability margin of cable-in-conduit conductors. Cryogenics, 2007, 47, 198-203.	0.9	0
36	Flux Jumps in Cable-in-Conduit Conductors Induced by Transient Magnetic Field. IEEE Transactions on Applied Superconductivity, 2006, 16, 811-814.	1.1	1