

Sergey V Ovsyannikov

List of Publications by Year in descending order

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146
papers

2,602
citations

201575

27
h-index

254106

43
g-index

154
all docs

154
docs citations

154
times ranked

2516
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant improvement of thermoelectric power factor of Bi ₂ Te ₃ under pressure. Journal of Applied Physics, 2008, 104, .	1.1	144
2	High-Pressure Routes in the Thermoelectricity or How One Can Improve a Performance of Thermoelectrics. Chemistry of Materials, 2010, 22, 635-647.	3.2	126
3	Pressure-tuned colossal improvement of thermoelectric efficiency of PbTe. Applied Physics Letters, 2007, 90, 122103.	1.5	106
4	Ambient- and low-temperature synchrotron x-ray diffraction study of BaFe $\frac{2}{3}\text{MnO}_3$ Perovskite-like Mn ₂ O ₃ : A Path to New Manganites. Angewandte Chemie - International Edition, 2013, 52, 1494-1498.	1.1	101
5	Thermoelectric power, magnetoresistance of lead chalcogenides in the region of phase transitions under pressure. Solid State Communications, 2003, 126, 373-378.	7.2	96
6	Thermoelectric power, magnetoresistance of lead chalcogenides in the region of phase transitions under pressure. Solid State Communications, 2003, 126, 373-378.	0.9	58
7	Application of the high-pressure thermoelectric technique for characterization of semiconductor microsamples: PbX-based compounds. Journal Physics D: Applied Physics, 2004, 37, 1151-1157.	1.3	54
8	Charge-ordering transition in iron oxide Fe ₄ O ₅ involving competing dimer and trimer formation. Nature Chemistry, 2016, 8, 501-508.	6.6	54
9	Semiconductorâ€metal transitions in lead chalcogenides at high pressure. Physica Status Solidi (B): Basic Research, 2003, 235, 521-525.	0.7	53
10	Peierls distortion, magnetism, and high hardness of manganese tetraboride. Physical Review B, 2014, 89, .	1.1	53
11	Discovery of Fe ₇ O ₉ : a new iron oxide with a complex monoclinic structure. Scientific Reports, 2016, 6, 32852.	1.6	50
12	Strategies and challenges of high-pressure methods applied to thermoelectric materials. Journal of Applied Physics, 2019, 125, .	1.1	46
13	Automated portable high-pressure setup for study of phase transitions in solids. Journal of Physics and Chemistry of Solids, 2006, 67, 2203-2209.	1.9	45
14	A Hard Oxide Semiconductor with A Direct and Narrow Bandgap and Switchable pâ€n Electrical Conduction. Advanced Materials, 2014, 26, 8185-8191.	11.1	44
15	Enhanced power factor and high-pressure effects in (Bi,Sb) ₂ (Te,Se) ₃ thermoelectrics. Applied Physics Letters, 2015, 106, .	1.5	41
16	Thermoelectric Properties of Compressed Titanium and Zirconium Trichalcogenides. Journal of Physical Chemistry C, 2018, 122, 14362-14372.	1.5	39
17	Phase transitions investigation in ZnTe by thermoelectric power measurements at high pressure. Solid State Communications, 2004, 132, 333-336.	0.9	38
18	Thermoelectric properties and phase transitions of IIâ€VI semiconductors at high pressure. Physica Status Solidi (B): Basic Research, 2007, 244, 437-442.	0.7	38

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19	Spin-induced multiferroicity in the binary perovskite manganite Mn ₂ O ₃ . Nature Communications, 2018, 9, 2996.	5.8	38
20	Structural stability of a golden semiconducting orthorhombic polymorph of Ti ₂ O ₃ under high pressures and high temperatures. Journal of Physics Condensed Matter, 2010, 22, 375402.	0.7	37
21	Thermopower of lead chalcogenides at high pressures. Physics of the Solid State, 2002, 44, 1845-1849.	0.2	34
22	New Antiferromagnetic Perovskite CaCo ₃ V ₄ O ₁₂ Prepared at High-Pressure and High-Temperature Conditions. Inorganic Chemistry, 2013, 52, 11703-11710.	1.9	34
23	Significant enhancement of thermoelectric properties and metallization of Al-doped Mg ₂ Si under pressure. Journal of Applied Physics, 2014, 115, .	1.1	34
24	Unusual B1→B2 transition in PbSe under high pressure: evidence for two intermediate phases; transport, structural, and optical properties. Physica Status Solidi (B): Basic Research, 2009, 246, 615-621.	0.7	33
25	A composite high-pressure cell with sintered diamond insets for study of thermoelectric and thermomagnetic properties in a range up to 30GPa: Application to Pr and PbTe. Journal of Physics and Chemistry of Solids, 2008, 69, 2315-2324.	1.9	28
26	Stability and breakdown of Ca ₁₃ CO ₃ melt associated with formation of ¹³ C-diamond in static high pressure experiments up to 43GPa and 3900K. Journal of Solid State Chemistry, 2012, 191, 102-106.	1.4	28
27	A new crossover in Fe ₃ O ₄ magnetite under pressure near 6 GPa: modification to "ideal" inverse cubic spinel?. Journal of Physics Condensed Matter, 2008, 20, 172201.	0.7	27
28	Measurement of Seebeck effect (thermoelectric power) at high pressure up to 40 GPa. Journal of Physics and Chemistry of Solids, 2010, 71, 1168-1174.	1.9	26
29	High-pressure high-temperature synthesis of Cr ₂ O ₃ and Ga ₂ O ₃ . High Pressure Research, 2011, 31, 23-29.	0.4	26
30	Raman spectra of lead chalcogenide single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3110-3113.	0.8	25
31	Crystal lattice and band structure of the intermediate high-pressure phase of PbSe. Journal of Physics Condensed Matter, 2009, 21, 385501.	0.7	25
32	Effect of Fe doping on structure, magnetic and electrical properties La _{0.7} Ca _{0.3} Mn _{0.5} Fe _{0.5} O ₃ manganite. Ceramics International, 2018, 44, 14974-14979.	2.3	25
33	High-pressure thermopower of PbTe-based compounds. Physica Status Solidi (B): Basic Research, 2004, 241, 3231-3234.	0.7	24
34	High-pressure behavior of structural, optical, and electronic transport properties of the golden Th ₂ S ₃ -type Ti ₂ O ₃ . Physical Review B, 2013, 88, .	1.1	24
35	"Smart" silicon: Switching between p- and n-conduction under compression. Applied Physics Letters, 2012, 101, 062107.	1.5	23
36	Synthesis and High-Pressure Study of Corundum-Type In ₂ O ₃ . Journal of Physical Chemistry C, 2015, 119, 29076-29087.	1.5	23

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37	High-pressure X-ray diffraction study of ternary and non-stoichiometric PbTe and PbSe crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 279-284.	0.7	22
38	Pressure-temperature phase diagram of Ti ₂ O ₃ and physical properties in the golden Th ₂ S ₃ -type phase. <i>Physical Review B</i> , 2012, 86, .	1.1	22
39	Pressure tuning of charge ordering in iron oxide. <i>Nature Communications</i> , 2018, 9, 4142.	5.8	22
40	High-pressure study of ternary mercury chalcogenides: phase transitions, mechanical and electrical properties. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 2021-2026.	1.3	21
41	Thermomagnetic and thermoelectric properties of semiconductors (PbTe, PbSe) at ultrahigh pressures. <i>Physica B: Condensed Matter</i> , 2004, 344, 190-194.	1.3	21
42	Structural and vibrational properties of single crystals of Scandia, Sc ₂ O ₃ under high pressure. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	21
43	Thermoelectric and galvanomagnetic investigations of VI group semiconductors Se and Te at high pressure up to 30GPa. <i>Solid State Communications</i> , 2002, 121, 323-327.	0.9	19
44	Tuning of the stoichiometry of Fe_{1-x}S by compression. <i>Physical Review B</i> , 2010, 81, .		
45	Colossal tuning of an energy gap in Sn ₂ P ₂ S ₆ under pressure. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	19
46	Raman spectroscopy of ferroelectric Sn ₂ P ₂ S ₆ under high pressure up to 40 GPa: Phase transitions and metallization. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	19
47	Galvanomagnetic properties of fast neutron bombarded Fe ₃ O ₄ magnetite: A case against charge ordering mechanism of the Verwey transition. <i>Solid State Communications</i> , 2009, 149, 759-762.	0.9	18
48	Raman spectroscopy of B_{12} . <i>Physical Review B</i> , 2010, 81, .	1.1	18
49	Features and regularities in behavior of thermoelectric properties of rare-earth, transition, and other metals under high pressure up to 20 GPa. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	18
50	Stress-controlled thermoelectric module for energy harvesting and its application for the significant enhancement of the power factor of Bi ₂ Te ₃ -based thermoelectrics. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 025501.	1.3	18
51	Structure of the intermediate high-pressure phases of ternary lead tellurides. <i>JETP Letters</i> , 2006, 83, 228-232.	0.4	17
52	High-pressure cycling of hematite Fe_2O_3 . <i>Journal of Applied Physics</i> , 2017, 121, 155101.	1.1	17
53	Tuning of the electronic and vibrational properties of Sn ₂ P ₂ Se ₆ and Pb ₂ P ₂ S ₆ crystals and their metallization under high pressure. <i>Dalton Transactions</i> , 2017, 46, 4245-4258.	1.6	17
54	A Room-Temperature Verwey-type Transition in Iron Oxide, Fe ₅ O ₆ . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5632-5636.	7.2	17

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55	Controlling the thermoelectric power of silicon-germanium alloys in different crystalline phases by applying high pressure. <i>CrystEngComm</i> , 2020, 22, 5416-5435.	1.3	17
56	Raman spectra of (PbS) _{1.18} (TiS ₂) ₂ misfit compound. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 462, 422-426.	2.6	16
57	Dramatic Changes in Thermoelectric Power of Germanium under Pressure: Printing n-p Junctions by Applied Stress. <i>Scientific Reports</i> , 2017, 7, 44220.	1.6	16
58	Pressure-induced phase transitions in Si observed by thermoelectric power measurements. <i>Solid State Communications</i> , 2004, 132, 545-549.	0.9	15
59	Observation of a new high-pressure semimetal phase of GaAs from pressure dependence of the thermopower. <i>Journal of Physics Condensed Matter</i> , 2006, 18, L551-L557.	0.7	15
60	A Raman study of high-pressure phases of lead chalcogenides PbX (X=S, Se, Te). <i>High Pressure Research</i> , 2009, 29, 224-229.	0.4	15
61	Crystal structure and thermal expansion of Mn _{1-x} Fe _x Ge. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 676-680.	0.5	15
62	Bulk Silicon Crystals with the High Boron Content, Si _x B _x : Two Semiconductors Form an Unusual Metal. <i>Chemistry of Materials</i> , 2014, 26, 5274-5281.	3.2	15
63	Thermoelectric and galvanomagnetic properties of chalcogens (Te, Se) at high pressures up to 30 GPa. <i>JETP Letters</i> , 2001, 74, 486-490.	0.4	14
64	Pressure cycling of InN to 20 GPa: In situ transport properties and amorphization. <i>Applied Physics Letters</i> , 2010, 97, 032105.	1.5	14
65	Thermoelectric properties of p-Bi _{2-x} Sb _x Te ₃ solid solutions under pressure. <i>Physics of the Solid State</i> , 2012, 54, 261-266.	0.2	14
66	Stability of MnB ₂ with AlB ₂ -type structure revealed by first-principles calculations and experiments. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	14
67	Thermoelectric study of the phase transitions in cerium at ultrahigh pressures from 0 to 20 GPa. <i>JETP Letters</i> , 2005, 81, 167-170.	0.4	13
68	Similar behavior of thermoelectric properties of lanthanides under strong compression up to 20%GPa. <i>Journal of Applied Physics</i> , 2012, 111, 112624.	1.1	13
69	Thermo-and galvanomagnetic properties of lead chalcogenides at high pressures up to 20 GPa. <i>JETP Letters</i> , 2003, 77, 88-93.	0.4	12
70	Structural and Magnetic Transitions in CaCo ₃ V ₄ O ₁₂ Perovskite at Extreme Conditions. <i>Inorganic Chemistry</i> , 2017, 56, 6251-6263.	1.9	12
71	Investigations of multiphase states in vicinity of pressure-induced phase transitions. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 3203-3209.	0.7	11
72	Phase transitions in PbSe under actions of fast neutron bombardment and pressure. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S3179-S3183.	0.7	11

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73	Anomalous compression and new high-pressure phases of vanadium sesquioxide, V_2O_3 . Journal of Physics Condensed Matter, 2013, 25, 385401.	0.7	11
74	Features of the semiconductor-metal transition in GaAs at ultrahigh pressures: New intermediate phases. JETP Letters, 2006, 84, 21-26.	0.4	10
75	Raman characterization of hydrogen ion implanted silicon: "High-dose effect". Physica B: Condensed Matter, 2008, 403, 3424-3428.	1.3	10
76	Electronic transport properties of MFe_2As_2 ($M = Ca, Eu, Sr$) at ambient and high pressures up to 20 GPa. Superconductor Science and Technology, 2015, 28, 125010.	1.8	10
77	Electronic properties and phase transitions in Si, ZnSe, and GaAs under pressure cycling up to 20–30 GPa in a high-pressure cell. Physica Status Solidi (B): Basic Research, 2009, 246, 604-611.	0.7	9
78	Thermoelectric power and phase transitions in lanthanides under pressure up to 20 GPa. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 427-431.	2.6	8
79	Is the Verwey transition in Fe_3O_4 magnetite driven by a Peierls distortion?. Journal of Physics Condensed Matter, 2009, 21, 271001.	0.7	8
80	X-ray single-crystal and Raman study of knorringite, $Mg_3(Cr_{1.58}Mg_{0.21}Si_{0.21})Si_3O_{12}$, synthesized at 16 GPa and 1,600 °C. Physics and Chemistry of Minerals, 2014, 41, 267-272.	0.3	8
81	Thermal expansion of monogermanides of 3d-metals. Journal of Physics Condensed Matter, 2016, 28, 375401.	0.7	8
82	Thermo- and galvanomagnetic technique for semiconductors testing at high pressure up to. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 546-548.	1.3	7
83	Thermoelectric properties of high-pressure silicon phases. JETP Letters, 2004, 80, 405-409.	0.4	7
84	Thermoelectric properties of Czochralski-grown silicon at high pressure up to 16 GPa. EPJ Applied Physics, 2004, 27, 145-148.	0.3	7
85	Magneto-orbital texture in the perovskite modification of Mn_2O_3 . Physical Review B, 2018, 98, .	1.1	7
86	A new $(Mg_{0.5}Fe_{0.53+})(Si_{0.5}Al_{0.53+})O_3$ $LiNbO_3$ -type phase synthesized at lower mantle conditions. American Mineralogist, 2019, 104, 1213-1216.	0.9	7
87	Giant Room-Temperature Power Factor in p -type Thermoelectric $SnSe$ under High Pressure. Advanced Science, 2022, 9, e2103720.	5.6	7
88	Structural Diversity of Magnetite and Products of Its Decomposition at Extreme Conditions. Inorganic Chemistry, 2022, 61, 1091-1101.	1.9	7
89	Verwey-Type Charge Ordering and Site-Selective Mott Transition in Fe_4O_5 under Pressure. Journal of the American Chemical Society, 2022, 144, 10259-10269.	6.6	7
90	Influence of P - T pre-treatment on thermopower of Czochralski-grown silicon at high pressure. Physica Status Solidi (B): Basic Research, 2004, 241, 3242-3247.	0.7	6

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91	Micro-characterisation of Si wafers by high-pressure thermopower technique. <i>Physica B: Condensed Matter</i> , 2006, 376-377, 177-180.	1.3	6
92	Effect of hydrogen implantation on semiconductorâ€™metal transition and high-pressure thermopower in Si. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 462, 343-346.	2.6	6
93	The determination of hydrogen positions in superhydrous phase B. <i>American Mineralogist</i> , 2013, 98, 1688-1692.	0.9	6
94	On the Power Factor of Bismuth-Telluride-Based Alloys near Topological Phase Transitions at High Pressures. <i>Semiconductors</i> , 2019, 53, 732-736.	0.2	6
95	Discovery of Elgoresyite, (Mg,Fe) ₅ Si ₂ O ₉ : Implications for Novel Iron-Magnesium Silicates in Rocky Planetary Interiors. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2124-2130.	1.2	6
96	Thermo- and galvanomagnetic measurements of semiconductors at ultrahigh pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 235, 288-292.	0.7	5
97	Ultrahigh-pressure effects in metallo-organics. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 418-423.	0.7	5
98	Transport properties of Fe ₃ O ₄ magnetite at high pressure up to 24ÂˆGPa: a search for crossovers. <i>High Pressure Research</i> , 2008, 28, 601-606.	0.4	5
99	High-pressure thermopower technique and its application. <i>Journal of Physics: Conference Series</i> , 2010, 215, 012185.	0.3	5
100	High-pressure, high-temperature synthesis and properties of the monoclinic phase of Y ₂ O ₃ . <i>Chemical Research in Chinese Universities</i> , 2016, 32, 545-548.	1.3	5
101	Colossal enhancement of the thermoelectric power factor in stress-released orthorhombic phase of SnTe. <i>Applied Physics Letters</i> , 2021, 118, 103903.	1.5	5
102	Colossal variations in the thermopower and ρ conductivity switching in topological tellurides under pressure. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	5
103	Thermoelectric power of sulphur at high pressure up to 40 GPa. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 239, 399-404.	0.7	4
104	Fast neutron bombardment induced semiconductor-metal electron transition in lead selenide. <i>Technical Physics Letters</i> , 2004, 30, 328-331.	0.2	4
105	Thermoelectric properties of the trigonal and orthorhombic modifications of zinc telluride. <i>JETP Letters</i> , 2004, 80, 35-38.	0.4	4
106	Thermoelectric properties of hydrogen ion-irradiated silicon crystals under ultrahigh pressures of up to 20 GPa. <i>Physics of the Solid State</i> , 2006, 48, 47-50.	0.2	4
107	Variations of high-pressure thermoelectric and mechanical properties of Si single crystals under doping with N and Pâ€™T pre-treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 462, 347-350.	2.6	4
108	Thermoelectric Power of Different Phases and States of Silicon at High Pressure. <i>Journal of Electronic Materials</i> , 2013, 42, 2249-2256.	1.0	4

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109	Stress-controlled n-type conductivity switch based on intercalated ZrTe ₂ . <i>Applied Physics Letters</i> , 2021, 119, 053103.	1.5	4
110	Structural Stability and Properties of Marokite-Type Mn_3O_4 . <i>Inorganic Chemistry</i> , 2021, 60, 13440-13452.	1.9	4
111	Synthesis of Ilmenite-type Mn_2O_3 and Its Properties. <i>Inorganic Chemistry</i> , 2021, 60, 13348-13358.	1.9	4
112	Electrical properties of (PbS) _{0.59} TiS ₂ crystals at high pressure up to 20 GPa. <i>Physics of the Solid State</i> , 2000, 42, 1228-1230.	0.2	3
113	Electrical properties of (PbS) _{0.59} TiS ₂ crystals at high pressures up to 20GPa. <i>High Pressure Research</i> , 2000, 17, 347-353.	0.4	3
114	Pressure-Induced Phase Transition in Pb _{1-x} Sn _x Se Studied by Raman Spectra. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 15-16.	0.7	3
115	Pressure-induced insulator-metal transition in a novel layer metalloorganic structure. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 174-178.	0.7	3
116	Thermoelectric properties of La _{0.75} Ca _{0.25} MnO ₃ manganite at ultrahigh pressures up to 20 GPa. <i>JETP Letters</i> , 2007, 85, 203-207.	0.4	3
117	High-pressure study of the thermoelectric properties of various oxides (ZnO, Tl ₂ Te, Bi ₂ Te, Sb ₂ Te, SnTe, PbTe, SnSe, Bi ₂ Se ₃ , Ge ₂ Sb ₂ Te ₅ , Ge ₂ Te ₃ , Ge ₂ Se ₃ , Ge ₂ Te ₅ , Ge ₂ Se ₅ , Ge ₂ Te ₇ , Ge ₂ Se ₇ , Ge ₂ Te ₉ , Ge ₂ Se ₉ , Ge ₂ Te ₁₁ , Ge ₂ Se ₁₁ , Ge ₂ Te ₁₃ , Ge ₂ Se ₁₃ , Ge ₂ Te ₁₅ , Ge ₂ Se ₁₅ , Ge ₂ Te ₁₇ , Ge ₂ Se ₁₇ , Ge ₂ Te ₁₉ , Ge ₂ Se ₁₉ , Ge ₂ Te ₂₁ , Ge ₂ Se ₂₁ , Ge ₂ Te ₂₃ , Ge ₂ Se ₂₃ , Ge ₂ Te ₂₅ , Ge ₂ Se ₂₅ , Ge ₂ Te ₂₇ , Ge ₂ Se ₂₇ , Ge ₂ Te ₂₉ , Ge ₂ Se ₂₉ , Ge ₂ Te ₃₁ , Ge ₂ Se ₃₁ , Ge ₂ Te ₃₃ , Ge ₂ Se ₃₃ , Ge ₂ Te ₃₅ , Ge ₂ Se ₃₅ , Ge ₂ Te ₃₇ , Ge ₂ Se ₃₇ , Ge ₂ Te ₃₉ , Ge ₂ Se ₃₉ , Ge ₂ Te ₄₁ , Ge ₂ Se ₄₁ , Ge ₂ Te ₄₃ , Ge ₂ Se ₄₃ , Ge ₂ Te ₄₅ , Ge ₂ Se ₄₅ , Ge ₂ Te ₄₇ , Ge ₂ Se ₄₇ , Ge ₂ Te ₄₉ , Ge ₂ Se ₄₉ , Ge ₂ Te ₅₁ , Ge ₂ Se ₅₁ , Ge ₂ Te ₅₃ , Ge ₂ Se ₅₃ , Ge ₂ Te ₅₅ , Ge ₂ Se ₅₅ , Ge ₂ Te ₅₇ , Ge ₂ Se ₅₇ , Ge ₂ Te ₅₉ , Ge ₂ Se ₅₉ , Ge ₂ Te ₆₁ , Ge ₂ Se ₆₁ , Ge ₂ Te ₆₃ , Ge ₂ Se ₆₃ , Ge ₂ Te ₆₅ , Ge ₂ Se ₆₅ , Ge ₂ Te ₆₇ , Ge ₂ Se ₆₇ , Ge ₂ Te ₆₉ , Ge ₂ Se ₆₉ , Ge ₂ Te ₇₁ , Ge ₂ Se ₇₁ , Ge ₂ Te ₇₃ , Ge ₂ Se ₇₃ , Ge ₂ Te ₇₅ , Ge ₂ Se ₇₅ , Ge ₂ Te ₇₇ , Ge ₂ Se ₇₇ , Ge ₂ Te ₇₉ , Ge ₂ Se ₇₉ , Ge ₂ Te ₈₁ , Ge ₂ Se ₈₁ , Ge ₂ Te ₈₃ , Ge ₂ Se ₈₃ , Ge ₂ Te ₈₅ , Ge ₂ Se ₈₅ , Ge ₂ Te ₈₇ , Ge ₂ Se ₈₇ , Ge ₂ Te ₈₉ , Ge ₂ Se ₈₉ , Ge ₂ Te ₉₁ , Ge ₂ Se ₉₁ , Ge ₂ Te ₉₃ , Ge ₂ Se ₉₃ , Ge ₂ Te ₉₅ , Ge ₂ Se ₉₅ , Ge ₂ Te ₉₇ , Ge ₂ Se ₉₇ , Ge ₂ Te ₉₉ , Ge ₂ Se ₉₉ , Ge ₂ Te ₁₀₁ , Ge ₂ Se ₁₀₁ , Ge ₂ Te ₁₀₃ , Ge ₂ Se ₁₀₃ , Ge ₂ Te ₁₀₅ , Ge ₂ Se ₁₀₅ , Ge ₂ Te ₁₀₇ , Ge ₂ Se ₁₀₇ , Ge ₂ Te ₁₀₉ , Ge ₂ Se ₁₀₉ , Ge ₂ Te ₁₁₁ , Ge ₂ Se ₁₁₁ , Ge ₂ Te ₁₁₃ , Ge ₂ Se ₁₁₃ , Ge ₂ Te ₁₁₅ , Ge ₂ Se ₁₁₅ , Ge ₂ Te ₁₁₇ , Ge ₂ Se ₁₁₇ , Ge ₂ Te ₁₁₉ , Ge ₂ Se ₁₁₉ , Ge ₂ Te ₁₂₁ , Ge ₂ Se ₁₂₁ , Ge ₂ Te ₁₂₃ , Ge ₂ Se ₁₂₃ , Ge ₂ Te ₁₂₅ , Ge ₂ Se ₁₂₅ , Ge ₂ Te ₁₂₇ , Ge ₂ Se ₁₂₇ , Ge ₂ Te ₁₂₉ , Ge ₂ Se ₁₂₉ , Ge ₂ Te ₁₃₁ , Ge ₂ Se ₁₃₁ , Ge ₂ Te ₁₃₃ , Ge ₂ Se ₁₃₃ , Ge ₂ Te ₁₃₅ , Ge ₂ Se ₁₃₅ , Ge ₂ Te ₁₃₇ , Ge ₂ Se ₁₃₇ , Ge ₂ Te ₁₃₉ , Ge ₂ Se ₁₃₉ , Ge ₂ Te ₁₄₁ , Ge ₂ 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Te ₅₇₁ , Ge ₂ Se ₅₇₁ , Ge ₂ Te ₅₇₃ , Ge ₂ Se ₅₇₃ , Ge ₂ Te ₅₇₅ , Ge ₂ Se ₅₇₅ , Ge ₂ Te ₅₇₇ , Ge ₂ Se ₅₇₇ , Ge ₂ Te ₅₇₉ , Ge ₂ Se ₅₇₉ , Ge ₂ Te ₅₈₁ , Ge ₂ Se ₅₈₁ , Ge ₂ Te ₅₈₃ , Ge ₂ Se ₅₈₃ , Ge ₂ Te ₅₈₅ , Ge ₂ Se ₅₈₅ , Ge ₂ Te ₅₈₇ , Ge ₂ Se ₅₈₇ , Ge ₂ Te ₅₈₉ , Ge ₂ Se ₅₈₉ , Ge ₂ Te ₅₉₁ , Ge ₂ Se ₅₉₁ , Ge ₂ Te ₅₉₃ , Ge ₂ Se ₅₉₃ , Ge ₂ Te ₅₉₅ , Ge ₂ Se ₅₉₅ , Ge ₂ Te ₅₉₇ , Ge ₂ Se ₅₉₇ , Ge ₂ Te ₅₉₉ , Ge ₂ Se ₅₉₉ , Ge ₂ Te ₆₀₁ , Ge ₂ Se ₆₀₁ , Ge ₂ Te ₆₀₃ , Ge ₂ Se ₆₀₃ , Ge ₂ Te ₆₀₅ , Ge ₂ Se ₆₀₅ , Ge ₂ Te ₆₀₇ , Ge ₂ Se ₆₀₇ , Ge ₂ Te ₆₀₉ , Ge ₂ Se ₆₀₉ , Ge ₂ Te ₆₁₁ , Ge ₂ Se ₆₁₁ , Ge ₂ Te ₆₁₃ , Ge ₂ Se ₆₁₃ , Ge ₂ Te ₆₁₅ , Ge ₂ Se ₆₁₅ , Ge ₂ Te ₆₁₇ , Ge ₂ Se ₆₁₇ , Ge ₂ Te ₆₁₉ , Ge ₂ Se ₆₁₉ , Ge ₂ Te ₆₂₁ , Ge ₂ Se ₆₂₁ , Ge ₂ Te ₆₂₃ , Ge ₂ Se ₆₂₃ , Ge ₂ Te ₆₂₅ , Ge ₂ Se ₆₂₅ , Ge ₂ Te ₆₂₇ , Ge ₂ Se ₆₂₇ , Ge ₂ Te ₆₂₉ , Ge ₂ Se ₆₂₉ , Ge ₂ Te ₆₃₁ , Ge ₂ Se ₆₃₁ , Ge ₂ Te ₆₃₃ , Ge ₂ Se ₆₃₃ , Ge ₂ Te ₆₃₅ , Ge ₂ Se ₆₃₅ , Ge ₂ Te ₆₃₇ , Ge ₂ Se ₆₃₇ , Ge ₂ Te ₆₃₉		

#	ARTICLE	IF	CITATIONS
127	A Room-Temperature Verwey-type Transition in Iron Oxide, Fe ₅ O ₆ . <i>Angewandte Chemie</i> , 2020, 132, 5681-5685.	1.6	2
128	Boron and Boron-Rich Solids at High Pressures. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2010, , 241-249.	0.2	2
129	High Pressure Treatment of Semiconductor-Metal Heterophase Structures. <i>Defect and Diffusion Forum</i> , 2002, 208-209, 255-260.	0.4	1
130	High-pressure thermopower of sulfur. <i>Physics of the Solid State</i> , 2003, 45, 619-622.	0.2	1
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141	Measurement of thermoelectric, galvanomagnetic, and thermomagnetic effects at ultrahigh pressure. , 2003, , .		0
142	High-Pressure Study of Metallocenes, M(1-5-C ₅ H ₅) ₂ (M = Fe, Co). <i>Journal of the Physical Society of Japan</i> , 2007, 76, 31-32.	0.7	0
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145	New high-pressureâ€“high-temperature forms in sesquioxides. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C327-C327.	0.3	0
146	High-pressure synthesis and properties of iron oxides. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e253-e253.	0.0	0