Maksim Yapryntsev

List of Publications by Year
in descending order

60	424	759233 12	839539 18
papers	citations	h-index	g-index

60	60	60	236
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancement of thermoelectric efficiency in Bi2Te3 via rare earth element doping. Scripta Materialia, 2018, 146, 91-94.	5.2	49
2	Effects of Lu and Tm Doping on Thermoelectric Properties of Bi2Te3 Compound. Journal of Electronic Materials, 2018, 47, 1362-1370.	2.2	29
3	Preparation of crystalline Mg(OH)2 nanopowder from serpentinite mineral. International Journal of Mining Science and Technology, 2018, 28, 499-503.	10.3	27
4	Anisotropic thermoelectric properties of Bi1.9Lu0.1Te2.7Se0.3 textured via spark plasma sintering. Solid State Sciences, 2018, 84, 28-43.	3.2	25
5	Mechanisms of thermoelectric efficiency enhancement in Lu-doped Bi₂Te₃. Materials Research Express, 2018, 5, 015905.	1.6	24
6	Thermoelectric properties of the textured Bi1.9Gd0.1Te3 compounds spark-plasma-sintered at various temperatures. Journal of the European Ceramic Society, 2020, 40, 742-750.	5.7	21
7	Comparative analysis of the thermoelectric properties of the non-textured and textured Bi1.9Gd0.1Te3 compounds. Journal of Solid State Chemistry, 2020, 290, 121559.	2.9	19
8	Effect of processing parameters on the microstructure and properties of WCâ€“10Coâ€“4Cr coatings formed by a new multi-chamber gas-dynamic accelerator. Ceramics International, 2015, 41, 15067-15074.	4.8	17
9	Sintering temperature effect on thermoelectric properties and microstructure of the grained Bi1.9Gd0.1Te3 compound. Journal of the European Ceramic Society, 2019, 39, 1193-1205.	5.7	16
10	Zircon-Based Ceramic Coatings Formed by a New Multi-Chamber Gas-Dynamic Accelerator. Coatings, 2017, 7, 142.	2.6	15
11	Variable-range hopping conductivity in Lu-doped Bi2Te3. Solid State Sciences, 2018, 76, 111-117.	3.2	15
12	Effect of Heat Treatment on the Microstructure and Phase Composition of ZrB2â€“MoSi2 Coating. Coatings, 2019, 9, 779.	2.6	13
13	Microstructure and thermoelectric properties of the medium-entropy block-textured BiSbTe1.5Se1.5 alloy. Journal of Alloys and Compounds, 2021, 872, 159743.	5.5	13
14	Transverse magnetoresistance peculiarities of thermoelectric Lu-doped Bi2Te3 compound due to strong electrical disorder. Journal of Rare Earths, 2019, 37, 292-298.	4.8	11
15	Enhanced thermoelectric efficiency of the bulk composites consisting of â€œBi2Te3 matrixâ€•and â€œfiller Ni@NiTe2 inclusionsâ€• Scripta Materialia, 2021, 194, 113710.	5.2	11
16	Forming the locally-gradient Ni@NiTe2 domains from initial Ni inclusions embedded into thermoelectric Bi2Te3 matrix. Materials Letters, 2021, 290, 129451.	2.6	9
17	Asymmetry and Parity Violation in Magnetoresistance of Magnetic Diluted Diracâ€“Weyl Semimetal (Cd_{0.6}Zn_{0.36}Mn_{0.04})₃As₂. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800386.	2.4	8
18	Microstructure Features of Metal-Matrix Composites Based on Thermoelectric Bismuth Telluride Matrix and Ferromagnetic Filler. Glass and Ceramics (English Translation of Steklo I Keramika), 2022, 78, 442-447.	0.6	8

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19	Electric field effect on variable-range hopping conductivity in Bi1.9Lu0.1Te3. Physica B: Condensed Matter, 2018, 545, 222-227.	2.7	7
20	Novel cerium-containing layered double hydroxide. Chemical Papers, 2020, 74, 367-370.	2.2	7
21	Anisotropy of the grain size effect on the electrical resistivity of n-type Bi1.9Gd0.1Te3 thermoelectric textured by spark plasma sintering. Journal of the European Ceramic Society, 2020, 40, 3431-3436.	5.7	7
22	Effect of Sm-doping on microstructure and thermoelectric properties of textured n-type Bi2Te2.7Se0.3 compound due to change in ionic bonding fraction. Journal of Solid State Chemistry, 2021, 297, 122047.	2.9	7
23	Thermoelectric properties of medium-entropy PbSbTeSe alloy prepared by reactive spark plasma sintering. Materials Letters, 2022, 309, 131416.	2.6	7
24	Effect of the Synthesis Method on the Phase Composition and Magnetism of Layered Double Hydroxides. Inorganic Materials, 2020, 56, 747-753.	0.8	6
25	Effect of spark plasma sintering temperature on microstructure and thermoelectric properties of the cermet composites consisting of Bi2Te2.1Se0.9 matrix and Co@CoTe2 inclusions. Journal of Solid State Chemistry, 2022, 305, 122696.	2.9	6
26	Features of microstructure and thermoelectric properties of the cermet composites based on grained Bi2Te3 matrix with locally-gradient Ni@NiTe2 inclusions. Chinese Journal of Physics, 2022, 77, 24-35.	3.9	6
27	Cobalt-based ZIF-68 and ZIF-69 as the precursors of non-platinum electrocatalysts for oxygen reduction. Mendeleev Communications, 2019, 29, 544-546.	1.6	5
28	Microstructure and thermoelectric properties of Bi1.9Lu0.1Te3 compound. Rare Metals, 2018, 37, 642-649.	7.1	4
29	Kinetics Investigation of the Formation of a Gas-Resistant Glass-Forming Layer during the Oxidation of ZrB2-MoSi2-Y2O3-Al Coatings in the Air Atmosphere. Coatings, 2021, 11, 1018.	2.6	4
30	Synthesis and electrical properties of Bi2Te3-based thermoelectric materials doped with Er, Tm, Yb, and Lu. Semiconductors, 2017, 51, 710-713.	0.5	3
31	Synthesis and thermal behavior of Co/AlCe layered double hydroxide. Solid State Sciences, 2021, 111, 106498.	3.2	3
32	Effect of BiScO3 Additive on the Structure and Electrical Properties of the Y2O3-ZrO2-SrTiO3 System. Journal of Nano- and Electronic Physics, 2019, 11, 01018-1-01018-4.	0.5	3
33	Preparation and characterization of nonstoichiometric Te-deficient and Te-rich thermoelectric Bi2-Gd Te3Â± compounds. Journal of Alloys and Compounds, 2022, 900, 163516.	5.5	3
34	Interconnected effects of Sm-doping on grain structure and transport properties of the textured Bi2-Sm Te2.7Se0.3 compounds. Journal of Solid State Chemistry, 2022, 312, 123176.	2.9	3
35	MICROSTRUCTURE AND MECHANICAL PROPERTIES OF ALUMINA POWDER COATINGS BY A NEW MULTI-CHAMBER DETONATION SPRAYER. Surface Review and Letters, 2016, 23, 1550088.	1.1	2
36	Oxidation Behavior and Microstructural Evolution of ZrB2â€“35MoSi2â€“10Al Composite Coating. Coatings, 2021, 11, 1531.	2.6	2

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37	Structure and Properties of the Hardmetal Coatings Cr3C2-25NiCr Formed by a Multi-chamber Detonation Sprayer. MATEC Web of Conferences, 2015, 30, 01009.	0.2	1
38	Manufacture, Structure, and Electric Conductivity of ZrO2â€“SrTiO3â€“BiScO3 Ceramics. Glass and Ceramics (English Translation of Steklo I Keramika), 2016, 72, 413-416.	0.6	1
39	Fracture toughness of Al₂O₃/ZrSiO₄ coatings obtained by multi-chamber gas-dynamic accelerator. Journal of Physics: Conference Series, 2017, 857, 012001.	0.4	1
40	Stabilization of Cerium(III) in the Structure of Hydrotalcite-Like Layered Double Hydroxides. Petroleum Chemistry, 2019, 59, 751-755.	1.4	1
41	Probing the low-temperature magnetic ordering in magnetic ZnMn2As2 semiconductor via transverse magnetoresistance examination. Materials Research Express, 2019, 6, 105908.	1.6	1
42	Mixed conductivity analysis of single crystals of Î±â€´-(Cd1â^'x Znx)3As2 (x = 0.45). AIP Advances, 2021, 11, .	1.3	1
43	Microstructure evolution and phase transformation of ZrB2-ZrO2-MoSi2-Al coating during annealing treatment. Materials Today: Proceedings, 2021, , .	1.8	1
44	Nanostructured Coatings Based on Amorphous Carbon and Gold Nanoparticles Obtained by the Pulsed Vacuum-arc Method. Journal of Nano- and Electronic Physics, 2019, 11, 04019-1-04019-7.	0.5	1
45	Interconnected effects of direct Gd doping and accompanying indirect Te-stoichiometry destroying on the thermoelectric properties of Te-rich Bi2-Gd Te3+ compounds. Journal of Solid State Chemistry, 2022, 308, 122945.	2.9	1
46	Deposition and Characterization of the Titanium-Based Coating by a Multi-Chamber Detonation Sprayer. MATEC Web of Conferences, 2015, 30, 01008.	0.2	0
47	Effect of Heat Treatment of the Alumina Powder on the Microstructure and Properties of Coatings. MATEC Web of Conferences, 2015, 30, 01003.	0.2	0
48	Specific features of the transport properties of the Lu0.1Bi1.9Te3 compound. Semiconductors, 2017, 51, 989-991.	0.5	0
49	Synthesis of a Magnetic Core/Shell Nanocomposite Containing Layered Double Hydroxide. Petroleum Chemistry, 2019, 59, 875-879.	1.4	0
50	Thermoelectric Properties of Bi2 â€“xLuxTe2.7Se0.3 Solid Solutions. Semiconductors, 2019, 53, 673-677.	0.5	0
51	Influence of the Sintering Temperature on the Thermoelectric Properties of the Bi1.9Gd0.1Te3 Compound. Semiconductors, 2019, 53, 615-619.	0.5	0
52	Effect of Spark Plasma Sintering Temperature on Thermoelectric Properties of Grained Bi1.9Gd0.1Te3 Compound. Semiconductors, 2019, 53, 1838-1844.	0.5	0
53	Measuring current effect on low-temperature resistivity of n-type Bi1.9Lu0.1Te3 compound: Probing the changing in conductivity mechanism under weak electric field. Physica B: Condensed Matter, 2020, 597, 412424.	2.7	0
54	Magnetic Materials Based on Layered Double Hydroxides. Petroleum Chemistry, 2021, 61, 388-393.	1.4	0

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55	Deposition of Alumina-titania Nanostructured Coating by a New Multi-chamber Gas-dynamic Accelerator. Journal of Nano- and Electronic Physics, 2016, 8, 03018-1-03018-4.	0.5	0
56	Linear Positive Magnetoresistivity of the Bi1.9Lu0.1Te3 Alloy with Inhomogeneous Micrograined Structure. Journal of Nano- and Electronic Physics, 2016, 8, 04033-1-04033-4.	0.5	0
57	Low-temperature Minimum in the Electrical Resistivity of the Bi1.9Lu0.1Te3. Journal of Nano- and Electronic Physics, 2016, 8, 04036-1-04036-4.	0.5	0
58	STRUCTURAL-PHASE STATE OF NANOCOMPOSITE ZrB2-MoSi2 COATINGS FOR CARBON/CARBON COMPOSITES DEPOSITED BY A NEW MULTI-CHAMBER DETONATION ACCELERATOR. , 2020, , .		0
59	Structural-phase state of near-surface layers of VT6 titanium alloy after femtosecond laser treatment. Letters on Materials, 2020, 10, 243-248.	0.7	0
60	A Study of the Influence of Irradiation of Carbon Diamond-Like Coatings with Nanosecond Laser Pulses on Their Structural-Phase Composition and Tribological Properties. Russian Physics Journal, 2021, 64, 1055-1059.	0.4	0