

Lysenkov Anton

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

361
citations

10
h-index

14
g-index

86
ext. papers

463
ext. citations

1.1
avg, IF

3.79
L-index

#	Paper	IF	Citations
85	Ceramic Composite Membranes Based on $\text{Bi}_3\text{Ru}_3\text{O}_{11}\text{Bi}_{1.6}\text{Er}_{0.4}\text{O}_3$ for Obtaining of Oxygen. <i>Inorganic Materials: Applied Research</i> , 2021 , 12, 1326-1331	0.6	0
84	Preparation and Properties of Ceramics Based on Tantalum Carbide Modified by SiO Gas. <i>Refractories and Industrial Ceramics</i> , 2021 , 61, 649-654	1.1	0
83	Oxidation of HfB ₂ -SiC-Ta ₄ HfC ₅ ceramic material by a supersonic flow of dissociated air. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 1088-1098	6	4
82	Effect of the Addition of Sm_2O_3 on the Sintering of MgAl_2O_4 from a Pre-ceramic Al,Mg Oligomer. <i>Russian Journal of Inorganic Chemistry</i> , 2021 , 66, 1141-1147	1.5	0
81	Properties of Hot Compressed 21R SiALON Ceramics with a Samarium Oxide Additive. <i>Russian Journal of Inorganic Chemistry</i> , 2021 , 66, 1196-1202	1.5	0
80	Influence of the Gas Atmosphere on the Formation of SiC Fibers upon the Siliconization of Carbon Felt. <i>Russian Journal of Inorganic Chemistry</i> , 2021 , 66, 1191-1195	1.5	1
79	Synthesis of C/SiC core-shell fibers through siliconization of carbon fibers with SiO gas in semi-closed reactor. <i>Ceramics International</i> , 2021 , 47, 22587-22593	5.1	1
78	Oxidation of graphene-modified HfB ₂ -SiC ceramics by supersonic dissociated air flow. <i>Journal of the European Ceramic Society</i> , 2021 , 42, 30-30	6	0
77	Synthesis and luminescence properties of $\text{Eu}^{2+}/\text{Ce}^{3+}$, $\text{Ce}^{3+}/\text{Tb}^{3+}$ and $\text{Eu}^{2+}/\text{Tb}^{3+}$ co-doped ALONs. <i>Journal of Alloys and Compounds</i> , 2021 , 887, 161410	5.7	3
76	21R-Sialon ceramics, obtained by hot pressing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 848, 012052	0.4	1
75	Formation of $\text{Si}_3\text{Al}_3\text{O}_3\text{N}_5$ oxonitride from mixtures of xerogels and silicon and aluminum nitrides in the nitrogen atmosphere. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 848, 012112	0.4	1
74	Oxidation of Porous HfB ₂ /SiC Ultra-High-Temperature Ceramic Materials Rich in Silicon Carbide (65 vol %) by a Supersonic Air Flow. <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 606-615	1.5	8
73	$\text{Si}_3\text{N}_4/\text{TiN}$ Composites Produced by Hot-Pressing Silicon Nitride and Titanium Powders. <i>Inorganic Materials</i> , 2020 , 56, 309-313	0.9	2
72	Reactionary-solidified oxygen permeable membrane material based on cermet $\text{Bi}_{1.6}\text{Er}_{0.4}\text{O}_3$ 12.6 wt % Ag 14 wt % In. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 848, 012019	0.4	1
71	Preparation of Silicon Nitride and Oxonitride by Gas-Phase Pyrolysis of Hexamethyldisilazane. <i>Inorganic Materials: Applied Research</i> , 2020 , 11, 488-494	0.6	0
70	Properties of composites SiC/SiCf obtained by hot pressing of SHS of silicon carbide powder. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 848, 012113	0.4	2
69	Properties of silicon carbide fibers obtained by silicification of carbon fabric with SiO vapours. <i>Ceramics International</i> , 2020 , 46, 18101-18105	5.1	5

68	Synthesis and X-ray Diffraction Study of Aluminum Oxonitride Solid Solutions. <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 1320-1325	1.5	3
67	Sol-Gel Synthesis of Oxonitridoaluminosilicates (SiALON). <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 1820-1830	1.5	4
66	The effects of subsonic and supersonic dissociated air flow on the surface of ultra-high-temperature HfB ₂ -30 vol% SiC ceramics obtained using the sol-gel method. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 1093-1102	6	11
65	SiC-Fiber Reinforced Silicon Carbide-Based Ceramic Composite. <i>Inorganic Materials</i> , 2020 , 56, 987-992	0.9	2
64	Hardness and fracture-toughness of hot-pressed LaB ₆ -TiB ₂ ceramics. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 848, 012059	0.4	1
63	Behavior of Ultra-High Temperature Ceramic Material HfB ₂ SiC _{0.7} Al ₂ O ₃ under the Influence of Supersonic Dissociated Air Flow. <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 1596-1605	1.5	4
62	Sintering and physico-mechanical properties of materials based on silicon nitride nanoscale powders. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 848, 012068	0.4	1
61	Rheological properties of Y ₃ Al ₅ O ₁₂ powder obtained by preceramic organoyttroxanealumoxanes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 848, 012090	0.4	
60	Rheological properties of Si ₃ N ₄ and Si ₃ N ₄ with sintering additive CaO-Al ₂ O ₃ powders. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 848, 012032	0.4	1
59	Reactive Hot Pressing of HfB ₂ SiC _{0.7} Al ₂ O ₃ Ultra-High Temperature Ceramics. <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 446-457	1.5	10
58	Production of Ceramic Materials Based on SiC with Low-Melting Oxide Additives. <i>Glass and Ceramics (English Translation of Steklo I Keramika)</i> , 2019 , 75, 400-407	0.6	29
57	Methods of Producing Ceramic on the Basis of Metal Nitrides (Review). <i>Glass and Ceramics (English Translation of Steklo I Keramika)</i> , 2019 , 76, 63-67	0.6	1
56	Physical and Mechanical Properties of Hot-Pressed Materials of the ZrB ₂ SiC System. <i>Refractories and Industrial Ceramics</i> , 2019 , 59, 514-521	1.1	1
55	Preparation and Properties of Reinforced Engineering Materials. <i>Refractories and Industrial Ceramics</i> , 2019 , 59, 534-544	1.1	1
54	Silicon Carbide Liquid-Phase Sintering with Various Activating Agents. <i>Refractories and Industrial Ceramics</i> , 2019 , 59, 522-527	1.1	4
53	Combined Synthesis of Heterogeneous Powders in CaB ₆ TiB ₂ System. <i>Refractories and Industrial Ceramics</i> , 2019 , 59, 528-533	1.1	
52	Production of Optically Transparent Shock-Resisting Ceramics by the Methods of Powder Metallurgy (Review). <i>Inorganic Materials: Applied Research</i> , 2019 , 10, 825-835	0.6	2
51	Silicon carbide ceramics reinforced SiC fibers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 525, 012085	0.4	3

50	Materials based on boron carbide obtained by reaction sintering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 525, 012074	0.4	9
49	Silicon nitride ceramics with light-melting sintering additive in CaO-TiO ₂ system. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 525, 012080	0.4	3
48	The study of ceramic materials system SiC-YAG. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 525, 012070	0.4	
47	Zol-gel synthesis of SiALON materials dopped by rare-earth elements. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 525, 012084	0.4	4
46	Composite ceramics based on silicon carbide with layered location of reinforcing SiC fibers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 525, 012082	0.4	1
45	Rheological properties of MoSi ₂ -NbSi ₂ powders obtained by SHS-method and solid-phase mixture. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 525, 012077	0.4	2
44	Siliciding of carbon fabrics with gaseous SiO. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 525, 012059	0.4	4
43	Physical and chemical properties of composite (Mo _{1-x} Nb _x)Si ₂ . <i>Journal of Physics: Conference Series</i> , 2019 , 1347, 012053	0.3	
42	Rheological properties of MgAl ₂ O ₄ obtained from preceramic organomagnesiumoxanealumoxanes. <i>Journal of Physics: Conference Series</i> , 2019 , 1347, 012062	0.3	1
41	Synthesis the composites Si ₃ N ₄ -TiN by hot pressing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 525, 012083	0.4	3
40	Effect of the Surface Relief of HfB ₂ -SiC Ceramic Materials on Their High-Temperature Oxidation. <i>Russian Journal of Inorganic Chemistry</i> , 2019 , 64, 1681-1686	1.5	6
39	Liquid-sintered SiC based materials with additive low oxide oxides. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 525, 012073	0.4	3
38	Reinforced composite materials based on silicon carbide and silicon nitride. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 525, 012072	0.4	1
37	Synthesis and Luminescence Properties of Tb ³⁺ -Doped Aluminum Oxynitride. <i>Inorganic Materials</i> , 2019 , 55, 1223-1229	0.9	1
36	Metal-Ceramic Composites Based on Iron Oxide for Low-Consumption Anode during Electrolytic Extraction of Aluminum. <i>Inorganic Materials: Applied Research</i> , 2018 , 9, 52-56	0.6	1
35	Preparation of a SiC Fiber Textile Material. <i>Inorganic Materials</i> , 2018 , 54, 787-793	0.9	5
34	Radiation-Induced Effects in Ce ³⁺ - and Eu ²⁺ -Doped Al ₂ O ₃ . <i>Inorganic Materials</i> , 2018 , 54, 446-453	0.9	4
33	Effect of Reaction Sintering Conditions on Properties of Ceramics Based on Alumina Oxynitride. <i>Inorganic Materials: Applied Research</i> , 2018 , 9, 599-602	0.6	3

32	The sintering process difference of MoSi ₂ , NbSi ₂ and (Mo _{1-x} Nb _x)Si ₂ solid solution. <i>Journal of Physics: Conference Series</i> , 2018 , 1134, 012058	0.3	2
31	Construction ceramics from silicon nitride with calcium aluminates additives received by the sintering method in the SHS-reactor. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 347, 012040	0.4	4
30	Features of the phase composition and morphology of the particles of sialon synthesized from silicon and aluminum nitrides. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 347, 012046	0.4	3
29	Activation Energy and Mechanism of the Molybdenum Disilicide Sintering Process. <i>Inorganic Materials</i> , 2018 , 54, 1113-1118	0.9	5
28	Molding Features of Silicon Carbide Products by the Method of Hot Slip Casting. <i>Inorganic Materials: Applied Research</i> , 2018 , 9, 675-678	0.6	22
27	Composite material Si ₃ N ₄ /SiC with calcium aluminate additive. <i>Journal of Physics: Conference Series</i> , 2018 , 1134, 012036	0.3	11
26	Sintering activation energy MoSi ₂ -WSi ₂ -Si ₃ N ₄ ceramic. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 347, 012024	0.4	5
25	Luminescent properties of Eu ²⁺ in ALON, SiALON, Ca-SiALON oxynitrides 2018 ,		1
24	Preparation and mechanical properties of SiC-TiN composite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 347, 012043	0.4	2
23	Ceramics based on zirconium dioxide stabilized with indium oxide and praseodymium oxide. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 347, 012027	0.4	
22	Effect of sintering methods and temperatures on porosity of the ceramics from aluminum oxynitride. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 347, 012030	0.4	2
21	Hot-pressed ceramic SiC/AlN materials. <i>Inorganic Materials</i> , 2017 , 53, 220-225	0.9	28
20	Effect of Si additions on the microstructure and mechanical properties of hot-pressed B ₄ C. <i>Inorganic Materials</i> , 2017 , 53, 376-380	0.9	24
19	Thermoluminescence of aluminum oxynitride doped with Ce ³⁺ and Eu ²⁺ ions 2017 ,		2
18	Synthesis and luminescence properties of Eu ²⁺ - and Ce ³⁺ -doped ALONs. <i>Ceramics International</i> , 2016 , 42, 286-293	5.1	10
17	Low-temperature oxidation of MoSi ₂ /Bi ₂ O ₃ composites. <i>Inorganic Materials: Applied Research</i> , 2016 , 7, 624-629	0.6	6
16	Radioluminescent properties of Eu ²⁺ -doped aluminum oxynitride 2016 ,		2
15	Strengthening of composite materials of the fluorohydroxyapatite/zirconia system by titanium nitride. <i>Doklady Chemistry</i> , 2016 , 471, 343-345	0.8	

14	Preparation of fine-grained ceramics by hot-pressing of Ce _{0.09} Zr _{0.91} O ₂ /MgO/Al ₂ O ₃ nanopowder. <i>Inorganic Materials</i> , 2016 , 52, 400-404	0.9	
13	Synthesis of aluminum oxynitride (ALON) and study of the properties of ceramics based on it. <i>Inorganic Materials: Applied Research</i> , 2016 , 7, 517-519	0.6	7
12	Effect of dopant concentration on the phase composition and luminescence properties of Eu ²⁺ - and Ce ³⁺ -doped ALONs. <i>Inorganic Materials</i> , 2015 , 51, 473-481	0.9	9
11	Temperature dependence of the fracture strength of composite corundum materials reinforced with Ni and NiAl particles. <i>Inorganic Materials: Applied Research</i> , 2014 , 5, 382-385	0.6	
10	Influence of WSi ₂ content and additions of magnesium aluminosilicates on oxidation and strength properties of MoSi ₂ -WSi ₂ composites. <i>Inorganic Materials: Applied Research</i> , 2013 , 4, 66-70	0.6	9
9	Effect of hot pressing temperature on the microstructure and strength of hydroxyapatite ceramic. <i>Inorganic Materials: Applied Research</i> , 2013 , 4, 362-367	0.6	6
8	Synthesis and cathodoluminescence characteristics of europium-doped Ca-sialons. <i>Inorganic Materials</i> , 2012 , 48, 827-831	0.9	10
7	Si ₃ N ₄ /TiN composites produced from TiO ₂ -Modified Si ₃ N ₄ powders. <i>Inorganic Materials</i> , 2012 , 48, 897-903	0.9	8
6	Hot-pressed Si ₃ N ₄ ceramics containing CaO-Al ₂ O ₃ -AlN modifying additives. <i>Inorganic Materials</i> , 2012 , 48, 1158-1163	0.9	5
5	Microstructure and properties of silicon nitride ceramics with calcium aluminate additions. <i>Inorganic Materials</i> , 2010 , 46, 799-803	0.9	12
4	Microstructure and properties of SiC-whisker-reinforced Si ₃ N ₄ ceramics with calcium aluminate additions. <i>Inorganic Materials</i> , 2010 , 46, 942-947	0.9	1
3	Nanofilaments of Si ₃ N ₄ . <i>Inorganic Materials</i> , 2009 , 45, 511-516	0.9	2
2	Preparation of silicon carbide whiskers from silicon nitride. <i>Inorganic Materials</i> , 2009 , 45, 758-766	0.9	3
1	Ceramic made from SHS silicon nitride powder. <i>Glass and Ceramics (English Translation of Steklo i Keramika)</i> , 2007 , 64, 86-88	0.6	2