

Dmitrii D Titov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4069362/publications.pdf>

Version: 2024-02-01

68
papers

387
citations

1040056

9
h-index

940533

16
g-index

68
all docs

68
docs citations

68
times ranked

192
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of Ceramic Materials Based on SiC with Low-Melting Oxide Additives. Glass and Ceramics (English Translation of Steklo I Keramika), 2019, 75, 400-407.	0.6	39
2	Hot-pressed ceramic SiCâ€“YAG materials. Inorganic Materials, 2017, 53, 220-225.	0.8	36
3	Molding Features of Silicon Carbide Products by the Method of Hot Slip Casting. Inorganic Materials: Applied Research, 2018, 9, 675-678.	0.5	25
4	Study of the physicochemical and biological properties of the new promising Tiâ€“20Nbâ€“13Taâ€“5Zr alloy for biomedical applications. Materials Chemistry and Physics, 2020, 255, 123557.	4.0	23
5	Thermal expansion of aluminum matrix composites reinforced by carbon nanotubes with in-situ and ex-situ designed interfaces ceramics layers. Journal of Alloys and Compounds, 2021, 872, 159593.	5.5	19
6	Materials based on boron carbide obtained by reaction sintering. IOP Conference Series: Materials Science and Engineering, 0, 525, 012074.	0.6	17
7	Composite material Si₃N₄/SiC with calcium aluminate additive. Journal of Physics: Conference Series, 2018, 1134, 012036.	0.4	15
8	The Influence of Co Additive on the Sintering, Mechanical Properties, Cytocompatibility, and Digital Light Processing Based Stereolithography of 3Y-TZP-5Al ₂ O ₃ Ceramics. Materials, 2020, 13, 2789.	2.9	11
9	Influence of WSi ₂ content and additions of magnesium aluminosilicates on oxidation and strength properties of MoSi ₂ -WSi ₂ composites. Inorganic Materials: Applied Research, 2013, 4, 66-70.	0.5	10
10	Synthesis of aluminum oxynitride (AlON) and study of the properties of ceramics based on it. Inorganic Materials: Applied Research, 2016, 7, 517-519.	0.5	10
11	Increasing the Sintering Rate and Strength of ZrO ₂ â€“Al ₂ O ₃ Ceramic Materials by Iron Oxide Additions. Inorganic Materials, 2020, 56, 182-189.	0.8	10
12	Properties of silicon carbide fibers obtained by silicification of carbon fabric with SiO vapours. Ceramics International, 2020, 46, 18101-18105.	4.8	10
13	Agglomeration and Properties of Ceramics Based on Partially Stabilized Zirconium Dioxide Containing Oxides of Aluminum and Iron. Inorganic Materials: Applied Research, 2018, 9, 121-124.	0.5	9
14	Preparation and Properties of Copper-Substituted Hydroxyapatite Powders and Ceramics. Inorganic Materials, 2019, 55, 1061-1067.	0.8	9
15	Low-temperature oxidation of MoSi ₂ â€“Si ₃ N ₄ composites. Inorganic Materials: Applied Research, 2016, 7, 624-629.	0.5	7
16	Activation Energy and Mechanism of the Molybdenum Disilicide Sintering Process. Inorganic Materials, 2018, 54, 1113-1118.	0.8	7
17	Silicon nitride ceramics with light-melting sintering additive in CaO-TiO ₂ system. IOP Conference Series: Materials Science and Engineering, 2019, 525, 012080.	0.6	7
18	Liquid-sintered SiC based materials with additive low oxide oxides. IOP Conference Series: Materials Science and Engineering, 2019, 525, 012073.	0.6	7

#	ARTICLE	IF	CITATIONS
19	Bi _{1.4} Er _{0.6} Ru ₂ O ₇ â€“50 wt % Î²-Bi ₂ O ₃ Oxygen-Permeable Membrane Material Prepared by Crystallization from Partially Molten State. Russian Journal of Inorganic Chemistry, 2021, 66, 1229-1233.	1.3	6
20	Sintering activation energy MoSi ₂ -WSi ₂ -Si ₃ N ₄ ceramic. IOP Conference Series: Materials Science and Engineering, 2018, 347, 012024.	0.6	5
21	Effect of Reaction Sintering Conditions on Properties of Ceramics Based on Alumina Oxynitride. Inorganic Materials: Applied Research, 2018, 9, 599-602.	0.5	5
22	Study of the coefficient of heat expansion of TiNbTaZr alloy. IOP Conference Series: Materials Science and Engineering, 2019, 525, 012092.	0.6	5
23	Effect of thermal treatment on sintering and strength of ceramics from hydroxyapatite nanopowders. Inorganic Materials: Applied Research, 2011, 2, 377-380.	0.5	4
24	Dilatometric sintering study of fine-grained ceramics from ultradispersed admixture composed of Ce _{0.09} Zr _{0.91} O ₂ and MgOâ€“Al ₂ O ₃ . Journal of the European Ceramic Society, 2013, 33, 2327-2333.	5.7	4
25	Construction ceramics from silicon nitride with calcium aluminates additives received by the sintering method in the SHS-reactor. IOP Conference Series: Materials Science and Engineering, 2018, 347, 012040.	0.6	4
26	Mechanical Properties and Structure of a VNS9-Sh Steel as Functions of the Tempering Temperature. Russian Metallurgy (Metally), 2019, 2019, 403-408.	0.5	4
27	Silicon carbide ceramics reinforced SiC fibers. IOP Conference Series: Materials Science and Engineering, 2019, 525, 012085.	0.6	4
28	Features of Î²-Phase Decay in Tiâ€“22Nbâ€“6Zr Alloy. Inorganic Materials: Applied Research, 2019, 10, 1115-1122.	0.5	4
29	Synthesis the composites Si ₃ N ₄ -TiN by hot pressing. IOP Conference Series: Materials Science and Engineering, 0, 525, 012083.	0.6	4
30	The phase composition, morphology and compressibility of grapheneâ€“zirconia composite nanostructured powder. Nanoscale Advances, 2020, 2, 182-189.	4.6	4
31	Physical and mechanical properties of composite materials in the MoSi ₂ -SiC-TiB ₂ system. IOP Conference Series: Materials Science and Engineering, 2020, 848, 012067.	0.6	4
32	Si ₃ N ₄ â€“TiN Composites Produced by Hot-Pressing Silicon Nitride and Titanium Powders. Inorganic Materials, 2020, 56, 309-313.	0.8	4
33	Effect of graphene sheet incorporation on the physicochemical properties of nano-alumina. New Journal of Chemistry, 2020, 44, 9046-9052.	2.8	4
34	Effect of mechanical activation of powders on the sintering of calcium carbonate-based ceramic materials containing carbonated hydroxyapatite. Doklady Chemistry, 2014, 456, 79-82.	0.9	3
35	Features of the phase composition and morphology of the particles of sialon synthesized from silicon and aluminum nitrides. IOP Conference Series: Materials Science and Engineering, 2018, 347, 012046.	0.6	3
36	Effect of sintering methods and temperatures on porosity of the ceramics from aluminum oxynitride. IOP Conference Series: Materials Science and Engineering, 2018, 347, 012030.	0.6	3

#	ARTICLE	IF	CITATIONS
37	Cermet Plasma Coatings Based on Silicon Carbide. Inorganic Materials: Applied Research, 2019, 10, 1145-1152.	0.5	3
38	SiC-Fiber Reinforced Silicon Carbide-Based Ceramic Composite. Inorganic Materials, 2020, 56, 987-992.	0.8	3
39	Rheological properties of Si ₃ N ₄ and Si ₃ N ₄ with sintering additive CaO-Al ₂ O ₃ powders. IOP Conference Series: Materials Science and Engineering, 2020, 848, 012032.	0.6	3
40	Effect of the Addition of Sm ₂ O ₃ on the Sintering of MgAl ₂ O ₄ from a Pre ceramic Al,Mg Oligomer. Russian Journal of Inorganic Chemistry, 2021, 66, 1141-1147.	1.3	3
41	Barium-Substituted Tricalcium Phosphate Ceramics. Inorganic Materials, 2022, 58, 317-324.	0.8	3
42	The sintering process difference of MoSi ₂ , NbSi ₂ and (Mo _{1-x} Nb _x)Si ₂ solid solution. Journal of Physics: Conference Series, 2018, 1134, 012058.	0.4	2
43	Features of the Kinetics of Sintering of Hydroxyapatite Powders with Various Particle Sizes. Doklady Chemistry, 2018, 483, 308-311.	0.9	2
44	Rheological properties of MoSi ₂ -NbSi ₂ powders obtained by SHS-method and solid-phase mixture. IOP Conference Series: Materials Science and Engineering, 2019, 525, 012077.	0.6	2
45	Reinforced composite materials based on silicon carbide and silicon nitride. IOP Conference Series: Materials Science and Engineering, 2019, 525, 012072.	0.6	2
46	Copper and cerium co-substituted hydroxyapatite: powders synthesis and sintering. IOP Conference Series: Materials Science and Engineering, 2020, 848, 012061.	0.6	2
47	Properties of composites SiC/SiCf obtained by hot pressing of SHS of silicon carbide powder. IOP Conference Series: Materials Science and Engineering, 2020, 848, 012113.	0.6	2
48	Properties of Hot Compressed 21R SiAlON Ceramics with a Samarium Oxide Additive. Russian Journal of Inorganic Chemistry, 2021, 66, 1196-1202.	1.3	2
49	Influence of the Gas Atmosphere on the Formation of SiC Fibers upon the Siliconization of Carbon Felt. Russian Journal of Inorganic Chemistry, 2021, 66, 1191-1195.	1.3	2
50	TiC-Cr ₃ C ₂ -WC-TiB ₂ -SiC-Based Cermets. Inorganic Materials: Applied Research, 2020, 11, 1199-1213.	0.5	2
51	Thermochemical gypsum conversion forming calcium phosphates. Inorganic Materials: Applied Research, 2013, 4, 356-361.	0.5	1
52	Composite ceramics based on silicon carbide with layered location of reinforcing SiC fibers. IOP Conference Series: Materials Science and Engineering, 2019, 525, 012082.	0.6	1
53	The effect of transition metal oxides on the sintering and properties of ceramics in the ZrO ₂ -Al ₂ O ₃ system. Journal of Physics: Conference Series, 2019, 1347, 012025.	0.4	1
54	Rheological properties of MgAl ₂ O ₄ obtained from pre ceramic organomagnesium oxanealumoxanes. Journal of Physics: Conference Series, 2019, 1347, 012062.	0.4	1

#	ARTICLE	IF	CITATIONS
55	21R-Sialon ceramics, obtained by hot pressing. IOP Conference Series: Materials Science and Engineering, 2020, 848, 012052.	0.6	1
56	Plasma-Sprayed TiC-Based Cermets. Inorganic Materials: Applied Research, 2021, 12, 461-467.	0.5	1
57	Mechanical Behavior of VNS9-Sh TRIP Steel after Tempering. Russian Metallurgy (Metally), 2021, 2021, 475-480.	0.5	1
58	The impact of a sintering additive from Al, Mg, Y-oligomer on the physicochemical properties of MoSi ₂ ceramic. Journal of Physics: Conference Series, 2021, 1942, 012045.	0.4	1
59	Si ₃ N ₄ ceramics with sintering additive of MnO-TiO ₂ . Journal of Physics: Conference Series, 2021, 1942, 012037.	0.4	1
60	Strengthening of composite materials of the fluorohydroxyapatite-zirconia system by titanium nitride. Doklady Chemistry, 2016, 471, 343-345.	0.9	0
61	Synthesis of Ti-Cr-C composite materials from CaCrO ₄ based mixtures. IOP Conference Series: Materials Science and Engineering, 2019, 525, 012078.	0.6	0
62	SHS Metallurgy of Binary Silicides (MoW)Si ₂ for Sintering Composite Materials. Inorganic Materials: Applied Research, 2019, 10, 473-479.	0.5	0
63	Rheological properties of Y ₃ Al ₅ O ₁₂ powder obtained by preceramic organoxyttrixanealumoxanes. IOP Conference Series: Materials Science and Engineering, 2020, 848, 012090.	0.6	0
64	Elementoxyalumoxanes as modifiers of silicon carbide ceramic composites components. IOP Conference Series: Materials Science and Engineering, 2020, 848, 012081.	0.6	0
65	Effect of the Tempering Temperature on the Structure and the Mechanical Behavior of VNS9-Sh TRIP Steel with a High Martensite Content. Russian Metallurgy (Metally), 2020, 2020, 408-415.	0.5	0
66	Sintering mechanism and activation energy of MgAl ₂ O ₄ synthesized by preceramic organomagnesiumoxyalumoxan. Journal of Physics: Conference Series, 2021, 1942, 012043.	0.4	0
67	Phases formation in cerium-doped hydroxyapatite. Journal of Physics: Conference Series, 2021, 1942, 012036.	0.4	0
68	Ti-Cr ₃ C ₂ -WC-NiCr-Mo-C Cermet Plasma Coatings. Inorganic Materials: Applied Research, 2021, 12, 1378-1385.	0.5	0