Igor Danilenko

List of Publications by Year
in descending order

31	199	1162367 8	1125271 13
papers	citations	h-index	g-index

31	31	31	175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mesoscopic phenomena in oxide nanoparticles systems: processes of growth. Journal of Nanoparticle Research, 2011, 13, 4015-4023.	0.8	39
2	Photocatalytic activity of ZnO nanopowders: The role of production techniques in the formation of structural defects. Catalysis Today, 2019, 328, 99-104.	2.2	26
3	The Peculiarities of Structure Formation and Properties of Zirconia-Based Nanocomposites with Addition of Al2O3 and NiO. Nanoscale Research Letters, 2017, 12, 125.	3.1	22
4	Effect of oxide nanofillers on fabrication, structure, and properties of zirconia-based composites. Journal of the European Ceramic Society, 2013, 33, 2321-2325.	2.8	12
5	Estimation of Agglomeration Degree and Nanoparticles Shape ofÂZirconia Nanopowders. Particle and Particle Systems Characterization, 2011, 28, 13-18.	1.2	9
6	La0.7Sr0.3MnO3 nanopowders: Synthesis of different powders structures and real magnetic properties of nanomanganites. Materials Characterization, 2013, 82, 140-145.	1.9	9
7	Influence of Obtaining Conditions on Kinetics of the Initial Sintering Stage of Zirconia Nanopowders. Nanoscale Research Letters, 2016, 11, 238.	3.1	9
8	The Effect of a Small Amount SiO2 on Sintering Kinetics of Tetragonal Zirconia Nanopowders. Nanoscale Research Letters, 2017, 12, 398.	3.1	9
9	Comparative analyses of the IV group oxides additives influence on the sintering kinetics of zirconia nanopowders. PLoS ONE, 2018, 13, e0200869.	1.1	8
10	Sintering kinetics of ZrO₂ nanopowders modified by group IV elements. International Journal of Applied Ceramic Technology, 2019, 16, 1481-1492.	1.1	8
11	Photocatalytic Composite Nanomaterial and Engineering Solution for Inactivation of Airborne Bacteria. Topics in Catalysis, 2021, 64, 772-779.	1.3	8
12	Zirconia-based materials in alternative energy devices - A strategy for improving material properties by optimizing the characteristics of initial powders. International Journal of Hydrogen Energy, 2022, 47, 41359-41371.	3.8	7
13	Effect of mechanical activation on sintering behaviour of tetragonal zirconia nanopowders. Ceramics International, 2020, 46, 13953-13960.	2.3	5
14	Effect of small amount of alumina on structure, wear and mechanical properties of 3Y-TZP ceramics. World Journal of Engineering, 2014, 11, 9-16.	1.0	4
15	Hydrated zirconia nanoparticles as media for electrical charge accumulation. Journal of Nanoparticle Research, 2022, 24, 1.	0.8	4
16	A martensitic phase transition in nanocrystalline 3Y-TZP powders under hydrostatic pressure conditions. Phase Transitions, 2013, 86, 987-999.	0.6	3
17	Humidity to electricity converter based on oxide nanoparticles. Journal of Materials Science, 2022, 57, 8367-8380.	1.7	3
18	Design and study of nanomodified composite fluoropolymer materials for tribotechnical purposes. Eastern-European Journal of Enterprise Technologies, 0, 5, 38-48.	0.3	3

#	Article	IF	Citations
19	Study of fracture toughness of ZrO2 ceramics. AIP Conference Proceedings, 2017, , .	0.3	2
20	3D Finiteâ€Element Simulation of Wedge Splitting Test of Nonâ€Standard Ceramic Double Cantilever Beam with Chevron Notch. Advanced Engineering Materials, 2021, 23, 2000963.	1.6	2
21	Effect of particle proximity on changing of diffusion mechanism of 3Y-TZP nanoparticles at the initial stage of sintering. International Journal of Refractory Metals and Hard Materials, 2021, 95, 105442.	1.7	2
22	ELECTROSURFACE PROPERTIES OF NANOPOWDER SYSTEM BASED ON ZIRCONIA. , 2020, , .		2
23	Formation of zirconia wear resistant composites via decomposition of unstable solid solutions in nanopowders â€“ An aspects and advantages of the technology. International Journal of Refractory Metals and Hard Materials, 2018, 71, 135-140.	1.7	1
24	INFLUENCE OF A PULSED MAGNETIC FIELD ON THE ELECTRICAL PROPERTIES OF NANOPOWDER SYSTEM BASED ON ZIRCONIA. Acta Metallurgica Slovaca, 2017, 23, 208-214.	0.3	1
25	Zirconia-Based Nanomaterials for Alternative Energy Application: Concept of Research in Smart Laboratory. Arabian Journal for Science and Engineering, 0, , .	1.7	1
26	Structural Evolution of Silicon Carbide Nanopowders during the Sintering Process. Journal of Ceramics, 2014, 2014, 1-5.	0.9	0
27	Crack model with stress gradients. AIP Conference Proceedings, 2016, , .	0.3	0
28	The SiO2 and GeO2 Additives Impact on the Sintering Kinetics of Tetragonal Zirconia Nanopowders. , 2018, , .		0
29	Photoactive Widegap Oxide Doped ZnO with Non-stoichiometric Matrix: Aspects of Formation. Topics in Catalysis, 2020, , 1.	1.3	0
30	OPTICAL PROPERTIES, PHOTOCATALYTIC AND BACTERICIDE ACTIVITY OF PURE AND Ag-DECORATED Zr, Al-DOPED ZnO. , 2020, , .		0
31	Influence of nanopowder sintering technology on crack resistance of tetragonal zirconium dioxide. Letters on Materials, 2021, 11, 409-415.	0.2	0