

Stanislaw Gierlotka

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.

44
papers

521
citations

12
h-index

21
g-index

53
ext. papers

666
ext. citations

2.8
avg, IF

3.75
L-index

#	Paper	IF	Citations
44	The shape and surface structure of detonation nanodiamond purified in oxidizing chemical environment. <i>Diamond and Related Materials</i> , 2021 , 113, 108286	3.5	0
43	Atomic structure and grain shape evolution of nanodiamond during annealing in oxidizing atmosphere from neutron diffraction and MD simulations. <i>Diamond and Related Materials</i> , 2021 , 111, 108177	3.5	2
42	Anti-inflammatory and antioxidant effects of nanoformulations composed of metal-organic frameworks delivering rutin and/or piperine natural agents. <i>Drug Delivery</i> , 2021 , 28, 1478-1495	7	3
41	Novel nanoceramics from in situ made nanocrystalline powders of pure nitrides and their composites in the system aluminum nitride AlN/gallium nitride GaN/aluminum gallium nitride Al _{0.5} Ga _{0.5} N. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 5339-5348	6	2
40	Targeted Nano-Drug Delivery of Colchicine against Colon Cancer Cells by Means of Mesoporous Silica Nanoparticles. <i>Cancers</i> , 2020 , 12,	6.6	31
39	Effective Targeting of Colon Cancer Cells with Piperine Natural Anticancer Prodrug Using Functionalized Clusters of Hydroxyapatite Nanoparticles. <i>Pharmaceutics</i> , 2020 , 12,	6.4	14
38	Virucidal Action Against Avian Influenza H5N1 Virus and Immunomodulatory Effects of Nanoformulations Consisting of Mesoporous Silica Nanoparticles Loaded with Natural Prodrugs. <i>International Journal of Nanomedicine</i> , 2020 , 15, 5181-5202	7.3	10
37	Experimental and theoretical evidence of the temperature-induced wurtzite to rocksalt phase transition in GaN under high pressure. <i>Physical Review B</i> , 2020 , 102,	3.3	5
36	Phase stability of rare earth sesquioxides with grain size controlled in the nanoscale. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 3829-3835	3.8	3
35	Atomic structure of nanodiamond and its evolution upon annealing up to 1200 °C: Real space neutron diffraction analysis supported by MD simulations. <i>Diamond and Related Materials</i> , 2019 , 93, 139-149	3.5	6
34	Phenomena Occurring in Nanostructured Stainless Steel 316LVM during Annealing under High Hydrostatic Pressure. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800101	3.5	2
33	NiAl-B composites with nanocrystalline intermetallic matrix produced by mechanical alloying and consolidation. <i>Advanced Powder Technology</i> , 2019 , 30, 2742-2750	4.6	4
32	A model of density waves in atomic structure of nanodiamond by molecular dynamics simulations. <i>Diamond and Related Materials</i> , 2019 , 91, 1-14	3.5	7
31	Application of PDF analysis assisted by MD simulations for determination of the atomic structure and crystal habit of CdSe nanocrystals. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 345901	1.8	3
30	Size control mechanism of ZnO nanoparticles obtained in microwave solvothermal synthesis. <i>Nanotechnology</i> , 2018 , 29, 065601	3.4	45
29	Folic acid-conjugated mesoporous silica particles as nanocarriers of natural prodrugs for cancer targeting and antioxidant action. <i>Oncotarget</i> , 2018 , 9, 26466-26490	3.3	38
28	Recrystallization and grain growth of a nano/ultrafine structured austenitic stainless steel during annealing under high hydrostatic pressure. <i>Journal of Materials Science</i> , 2018 , 53, 11823-11836	4.3	12

27	NanoPDF64: software package for theoretical calculation and quantitative real-space analysis of powder diffraction data of nanocrystals. <i>Journal of Applied Crystallography</i> , 2017 , 50, 1821-1829	3.8	8
26	Nanocrystalline Al ₅ Fe ₂ intermetallic and Al ₅ Fe ₂ /Al composites manufactured by high-pressure consolidation of milled powders. <i>Journal of Alloys and Compounds</i> , 2016 , 656, 82-87	5.7	2
25	Structural and magnetic properties of ceramics prepared by high-pressure high-temperature sintering of manganese-doped gallium nitride nanopowders. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 1033-1044	6	4
24	Post-synthesis treatment of silicon carbide nanowires obtained in combustion synthesis. <i>Materials Science in Semiconductor Processing</i> , 2016 , 42, 326-333	4.3	3
23	Effect of Water Content in Ethylene Glycol Solvent on the Size of ZnO Nanoparticles Prepared Using Microwave Solvothermal Synthesis. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-15	3.2	44
22	Influence of hydrothermal synthesis parameters on the properties of hydroxyapatite nanoparticles. <i>Beilstein Journal of Nanotechnology</i> , 2016 , 7, 1586-1601	3	61
21	Paramagnetism of cobalt-doped ZnO nanoparticles obtained by microwave solvothermal synthesis. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 1957-69	3	38
20	Spectroscopic Studies of Nanopowder and Nanoceramics La ₂ Hf ₂ O ₇ :Pr Scintillator. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1595-1601	3.8	21
19	Nanocrystalline matrix Al ₃ Ni ₂ /Al ₃ Ni composites produced by reactive hot-pressing of milled powders. <i>Intermetallics</i> , 2014 , 54, 193-198	3.5	11
18	Al ₃ Ni ₂ /Al composites with nanocrystalline intermetallic matrix produced by consolidation of milled powders. <i>Advanced Powder Technology</i> , 2014 , 25, 1362-1368	4.6	11
17	Nanocrystalline Al ₃ Ni ₂ alloy with high hardness produced by mechanical alloying and high-pressure hot-pressing consolidation. <i>Intermetallics</i> , 2013 , 42, 35-40	3.5	19
16	Remarkable thermal conductivity reduction in metal-semiconductor nanocomposites. <i>Applied Physics Letters</i> , 2013 , 103, 083115	3.4	6
15	Collective charge transport in semiconductor-metal hybrid nanocomposite. <i>Applied Physics Letters</i> , 2013 , 102, 053107	3.4	4
14	Nanocrystals: Breaking limitations of data analysis. <i>Zeitschrift für Kristallographie</i> , 2010 , 225, 588-598		33
13	Looking beyond Limitations of Diffraction Methods of Structural Analysis of Nanocrystalline Materials. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2009 , 75-88	0.3	1
12	Growth and Properties of Ytterbium Doped KY(WO ₄) ₂ Nanocomposites. <i>Solid State Phenomena</i> , 2007 , 128, 25-30	0.4	2
11	Application of the apparent lattice parameter to determination of the core-shell structure of nanocrystals. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2007 , 222, 580-594	1	20
10	Fabrication and Micro-Structure Characterization of Al ₂ O ₃ /Ni-P Composites with Interpenetrating Phases. <i>Solid State Phenomena</i> , 2006 , 114, 219-226	0.4	

9	SiC/Zn Nanocomposites Obtained Using the High Pressure Infiltration Technique. <i>Solid State Phenomena</i> , 2006 , 114, 257-264	0.4	4
8	Error Estimation in XRD Crystallite Size Measurements. <i>Solid State Phenomena</i> , 2006 , 114, 313-320	0.4	3
7	Fabrication and Physical Properties of SiC-GaAs Nano-Composites. <i>Solid State Phenomena</i> , 2006 , 114, 297-302	0.4	
6	Microstructural Evolution during Mechanical Alloying and Hot Pressing of a Powder Blend of Aluminium and 316 Stainless Steel. <i>Solid State Phenomena</i> , 2006 , 114, 211-218	0.4	
5	Microwave-Driven Hydrothermal Synthesis of Oxide Nanopowders for Applications in Optoelectronics 2005 , 163-179		
4	Synthesis of Metal-Ceramic Nanocomposites by High-Pressure Infiltration. <i>Solid State Phenomena</i> , 2005 , 101-102, 157-164	0.4	11
3	Influence of Temperature and Pressure on the Possibility of Obtaining Al ₂ O ₃ /Ni-P Nanocomposite through Hot Pressing Process. <i>Solid State Phenomena</i> , 2005 , 101-102, 147-150	0.4	5
2	X-Ray Diffraction Study of the Smectic I, F, J and G Phases of 4-Methylbutyl Phenyl 4-n-Octylbiphenyl-4-Carboxylate. <i>Liquid Crystals</i> , 1988 , 3, 1535-1541	2.3	18
1	Synthesis of Metal-Ceramic Nanocomposites by High-Pressure Infiltration. <i>Solid State Phenomena</i> , 157-164	0.4	4