

Danuta StrÅ³Å¼

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2016035/publications.pdf>

Version: 2024-02-01

77
papers

1,164
citations

331670

21
h-index

434195

31
g-index

78
all docs

78
docs citations

78
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	Sonochemical preparation of SbSI gel. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 709-716.	8.2	77
2	Fate of neutral-charged gold nanoparticles in the roots of the <i>Hordeum vulgare</i> L. cultivar Karat. <i>Scientific Reports</i> , 2017, 7, 3014.	3.3	56
3	Effect of Nanoparticles Surface Charge on the <i>Arabidopsis thaliana</i> (L.) Roots Development and Their Movement into the Root Cells and Protoplasts. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1650.	4.1	50
4	Fabrication and characterization of SbSI gel for humidity sensors. <i>Sensors and Actuators A: Physical</i> , 2014, 210, 119-130.	4.1	46
5	Effect of early stages of precipitation and recovery on the multi-step transformation in deformed and annealed near-equiatomic NiTi alloy. <i>Scripta Materialia</i> , 2003, 48, 571-576.	5.2	44
6	Effect of ageing on martensitic transformation in NiTi shape memory alloy. <i>Journal of Materials Science</i> , 1988, 23, 4127-4131.	3.7	39
7	Ferroelectric properties of ultrasonochemically prepared SbSI ethanogel. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 398-401.	8.2	37
8	Effect of thermal cycling on as-quenched and aged nickel-rich Ni-Ti alloy. <i>Journal of Materials Science</i> , 1991, 26, 1741-1748.	3.7	35
9	Two-stage R phase transformation in a cold-rolled and annealed Ti ₇₅ 0.6at.%Ni alloy. <i>Scripta Materialia</i> , 2005, 52, 757-760.	5.2	34
10	Novel piezoelectric paper based on SbSI nanowires. <i>Cellulose</i> , 2018, 25, 7-15.	4.9	32
11	A Ferroelectric-Photovoltaic Effect in SbSI Nanowires. <i>Nanomaterials</i> , 2019, 9, 580.	4.1	31
12	XPS analysis of sonochemically prepared SbSI ethanogel. <i>Applied Surface Science</i> , 2009, 255, 7689-7694.	6.1	30
13	The microstructure of erbium-ytterbium co-doped oxyfluoride glass-ceramic optical fibers. <i>Optical Materials</i> , 2012, 34, 944-950.	3.6	30
14	Diverse influence of nanoparticles on plant growth with a particular emphasis on crop plants. <i>Acta Agrobotanica</i> , 2016, 69, .	1.0	30
15	TEM studies of plasma nitrided austenitic stainless steel. <i>Journal of Microscopy</i> , 2010, 237, 227-231.	1.8	29
16	Unique chromoplast organisation and carotenoid gene expression in carotenoid-rich carrot callus. <i>Planta</i> , 2018, 248, 1455-1471.	3.2	28
17	Ferroelectric SbSI nanowires for ammonia detection at a low temperature. <i>Talanta</i> , 2018, 189, 225-232.	5.5	27
18	Influence of humidity on impedance of SbSI gel. <i>Sensors and Actuators A: Physical</i> , 2012, 183, 34-42.	4.1	26

#	ARTICLE	IF	CITATIONS
19	Sonochemical preparation of SbSeI gel. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 546-551.	8.2	24
20	Sonochemical preparation of SbS _{1-x} Se _x I nanowires. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 487-493.	8.2	23
21	Preparation and Characterization of Nitinol Bone Staples for Cranio-Maxillofacial Surgery. <i>Journal of Materials Engineering and Performance</i> , 2012, 21, 2650-2656.	2.5	23
22	Quantum efficiency coefficient for photogeneration of carriers in SbSI nanowires. <i>Optical Materials</i> , 2013, 35, 2208-2216.	3.6	21
23	Fast and Efficient Piezo/Photocatalytic Removal of Methyl Orange Using SbSI Nanowires. <i>Materials</i> , 2020, 13, 4803.	2.9	21
24	Infrared spectroscopy of ferroelectric nanowires of antimony sulfoiodide. <i>Infrared Physics and Technology</i> , 2008, 51, 307-315.	2.9	20
25	The development of a hairless phenotype in barley roots treated with gold nanoparticles is accompanied by changes in the symplasmic communication. <i>Scientific Reports</i> , 2019, 9, 4724.	3.3	20
26	A new hybrid piezo/triboelectric SbSeI nanogenerator. <i>Energy</i> , 2022, 238, 122048.	8.8	20
27	SbSI nanowires for ferroelectric generators operating under shock pressure. <i>Materials Letters</i> , 2016, 180, 15-18.	2.6	19
28	Using of sonochemically prepared SbSI for electrospun nanofibers. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 544-552.	8.2	19
29	Sonochemical growth of antimony sulfoiodide in multiwalled carbon nanotube. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 800-804.	8.2	18
30	A simple route for manufacture of photovoltaic devices based on chalcohalide nanowires. <i>Applied Surface Science</i> , 2020, 517, 146138.	6.1	18
31	Electrochemical Formation of Second Generation TiO ₂ Nanotubes on Ti ₁₃ Nb ₁₃ Zr Alloy for Biomedical Applications. <i>Acta Physica Polonica A</i> , 2016, 130, 1079-1080.	0.5	17
32	Sonochemical growth of antimony selenoiodide in multiwalled carbon nanotube. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 179-185.	8.2	16
33	Influence of the solvent on ultrasonically produced SbSI nanowires. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 537-545.	8.2	15
34	Nanogenerator for dynamic stimuli detection and mechanical energy harvesting based on compressed SbSeI nanowires. <i>Energy</i> , 2020, 212, 118717.	8.8	15
35	Effect of Internal Strain on Martensitic Transformations in NiTi Shape Memory Alloys. <i>Materials Transactions</i> , 2011, 52, 358-363.	1.2	14
36	Sonochemical preparation of antimony subiodide. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 219-227.	8.2	13

#	ARTICLE	IF	CITATIONS
37	Microstructure, Phase Transformations, and Properties of Hot-Extruded Ni-Rich NiTi Shape Memory Alloy. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2362-2367.	2.5	13
38	Influence of Molybdenum on the Microstructure, Mechanical Properties and Corrosion Resistance of Ti ₂₀ Ta ₂₀ Nb ₂₀ (ZrHf) ₂₀ xMox (Where: x = 0, 5, 10, 15, 20) High Entropy Alloys. <i>Materials</i> , 2022, 15, 393.	2.9	11
39	Sonochemical growth of nanomaterials in carbon nanotube. <i>Ultrasonics</i> , 2018, 83, 179-187.	3.9	10
40	Extruded Rods with $\langle 001 \rangle$ Axial Texture of Polycrystalline Ni-Mn-Ga Alloys. <i>Materials Science Forum</i> , 0, 635, 189-194.	0.3	9
41	Structure and Properties of NiTi Shape Memory Alloy after Cold Rolling in Martensitic State. <i>Acta Physica Polonica A</i> , 2016, 130, 1081-1084.	0.5	9
42	TEM studies of the R-phase transformation in a NiTi shape memory alloy after thermo-mechanical treatment. <i>Materials Chemistry and Physics</i> , 2003, 81, 460-462.	4.0	8
43	The Microstructure of Annealed Galfan Coating on Steel Substrate. <i>Archives of Metallurgy and Materials</i> , 2012, 57, 517.	0.6	8
44	Influence of ^{57}Fe precipitates on physical and mechanical properties of Cu-Fe alloys. <i>Metals Technology</i> , 1980, 7, 248-251.	0.3	7
45	Structure and Properties of Cold-Worked and Annealed Ti-Ni-Co Shape Memory Wires Designed for Medical Application. <i>Solid State Phenomena</i> , 0, 163, 118-122.	0.3	6
46	Martensite transformation bands studied in TiNi shape memory alloy by infrared and acoustic emission techniques. <i>Metallic Materials</i> , 2013, 50, 309-318.	0.3	6
47	Transmission electron microscopy analysis of phase separation in GaInAsSb films grown on GaSb substrate. <i>Journal of Microscopy</i> , 2006, 224, 121-124.	1.8	5
48	Studies of the R-phase transformation in a Ti-51at.%Ni alloy by transmission electron microscopy. <i>Scripta Materialia</i> , 2002, 47, 363-369.	5.2	4
49	Studies of NiTi Shape Memory Alloy after Severe Plastic Deformation. <i>Solid State Phenomena</i> , 0, 163, 137-140.	0.3	4
50	Hot Extrusion of Ni-Based Polycrystalline Ferromagnetic Shape Memory Alloys. <i>Solid State Phenomena</i> , 0, 203-204, 306-309.	0.3	4
51	Microstructure and Mechanical Properties of Co-Cr-Mo-Si-Y-Zr High Entropy Alloy. <i>Metals</i> , 2020, 10, 1456.	2.3	4
52	NiTi Shape Memory Marformed Alloy Studied by Electron Beam Precession TEM Orientation Mapping Method. <i>Acta Physica Polonica A</i> , 2017, 131, 1307-1311.	0.5	4
53	Instabilities in crystallization and magnetic behavior of Fe-Si-B amorphous alloys. <i>Materials Research Bulletin</i> , 2004, 39, 231-236.	5.2	3
54	Using of sonochemically prepared components for vapor phase growing of Sb ₃ As ₈ . <i>Ultrasonics Sonochemistry</i> , 2010, 17, 892-901.	8.2	3

#	ARTICLE	IF	CITATIONS
55	Optical properties of nanocomposite fibrous polymer mats containing SbSeI nanowires. <i>Optical Materials</i> , 2018, 84, 383-388.	3.6	3
56	Precession Electron Diffraction Studies of $Sr_xBa_{1-x}Nb_2O_6$ and $Ca_xBa_{1-x}Nb_2O_6$ Single Crystals. <i>Acta Physica Polonica A</i> , 2016, 130, 830-832.	0.5	3
57	Carbon Coatings onto Shape Memory Alloys. <i>Journal of Wide Bandgap Materials</i> , 2001, 8, 189-194.	0.1	2
58	Structure of Antimony Sulfoiodide Ultrasonically Prepared in Carbon Nanotubes. <i>Solid State Phenomena</i> , 2010, 163, 88-92.	0.3	2
59	Structure and Properties of NiTi Shape Memory Alloys after Severe Plastic Deformation. <i>Materials Science Forum</i> , 0, 738-739, 501-505.	0.3	2
60	The Structure and Properties Formation of the NiTi Shape Memory Rods after Hot Rotary Forging. <i>Key Engineering Materials</i> , 2016, 687, 11-18.	0.4	2
61	The crystallization kinetics of Er/Yb co-doped oxyfluoride glasses. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
62	Martensitic Transformation in Nanostructured NiTi Alloy Studied by X-ray Diffraction <i>In-Situ</i> Heating. <i>Materials Transactions</i> , 2019, 60, 708-713.	1.2	2
63	Analysis of amorphous regions in severely marformed NiTi shape memory alloy. <i>International Journal of Materials Research</i> , 2019, 110, 18-23.	0.3	2
64	Interfacial Polarization Phenomena in Compressed Nanowires of SbSI. <i>Materials</i> , 2022, 15, 1543.	2.9	2
65	On the structured imperfections of bulk GaSb using high resolution transmission electron microscopy. <i>Micron</i> , 2009, 40, 6-10.	2.2	1
66	Structure and Functional Properties of Microcrystalline NiTi Alloy after Severe Deformation and Subsequent Annealing. <i>Materials Science Forum</i> , 2011, 674, 53-60.	0.3	1
67	Nanotexture Studies of NiTi Shape Memory Alloy after Severe Plastic Deformation with the Use of TEM. <i>Solid State Phenomena</i> , 2012, 186, 90-93.	0.3	1
68	Structure and Phase Transformation in Ni-Co-Mn-In Ferromagnetic Shape Memory Alloys. <i>Solid State Phenomena</i> , 0, 203-204, 240-245.	0.3	1
69	Properties of Sonochemically Prepared $Cu_{1-x}Ga_xS_2$ and $Cu_{1-x}Ga_xSe_2$. <i>Acta Physica Polonica A</i> , 2014, 126, 1107-1109.	0.5	1
70	FOURIER SPECTROSCOPY OF IMAGES IN MATERIAL SCIENCE. , 2004, , .		0
71	TEM Study of Ni-Mn-Co-In Ferromagnetic Shape Memory Alloys. <i>Solid State Phenomena</i> , 0, 186, 271-274.	0.3	0
72	Microstructural Evolution and Corrosion Behavior of Carburized $\hat{I}\pm$ -Fe Plates by Glucose. <i>Solid State Phenomena</i> , 2013, 203-204, 94-98.	0.3	0

#	ARTICLE	IF	CITATIONS
73	Structure and Properties of Ni-Rich Shape Memory Alloy Subjected to Severe Deformation and Annealing. Solid State Phenomena, 0, 203-204, 339-342.	0.3	0
74	Microstructural Studies of NiCoMnIn Magnetic Shape Memory Ribbons. Materials Science Forum, 0, 738-739, 436-440.	0.3	0
75	Characterization of As-Cast Single-Crystal CMSX-4 Superalloy Turbine Blades. Solid State Phenomena, 2013, 203-204, 173-176.	0.3	0
76	Electron Diffraction Reinvestigation of CdCr ₂ Se ₄ and ZnCr ₂ V _x Se ₄ ; Spinel Structures. Solid State Phenomena, 0, 203-204, 262-265.	0.3	0
77	The Structure and Shape Memory of the Hot Extruded NiTi Alloy. Key Engineering Materials, 2016, 687, 19-24.	0.4	0