

# Danuta StrÅ³Å¼

## List of Publications by Year in descending order

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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	A new hybrid piezo/triboelectric SbSeI nanogenerator. <i>Energy</i> , 2022, 238, 122048.	8.8	20
2	Influence of Molybdenum on the Microstructure, Mechanical Properties and Corrosion Resistance of Ti <sub>20</sub> Ta <sub>20</sub> Nb <sub>20</sub> (ZrHf) <sub>20</sub> âˆ™xMox (Where: x = 0, 5, 10, 15, 20) High Entropy Alloys. <i>Materials</i> , 2022, 15, 393.	2.9	11
3	Interfacial Polarization Phenomena in Compressed Nanowires of SbSI. <i>Materials</i> , 2022, 15, 1543.	2.9	2
4	Nanogenerator for dynamic stimuli detection and mechanical energy harvesting based on compressed SbSeI nanowires. <i>Energy</i> , 2020, 212, 118717.	8.8	15
5	Fast and Efficient Piezo/Photocatalytic Removal of Methyl Orange Using SbSI Nanowires. <i>Materials</i> , 2020, 13, 4803.	2.9	21
6	Microstructure and Mechanical Properties of Co-Cr-Mo-Si-Y-Zr High Entropy Alloy. <i>Metals</i> , 2020, 10, 1456.	2.3	4
7	A simple route for manufacture of photovoltaic devices based on chalcogenide nanowires. <i>Applied Surface Science</i> , 2020, 517, 146138.	6.1	18
8	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
9	A Ferroelectric-Photovoltaic Effect in SbSI Nanowires. <i>Nanomaterials</i> , 2019, 9, 580.	4.1	31
10	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
11	Effect of Nanoparticles Surface Charge on the Arabidopsis thaliana (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
12	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
13	Novel piezoelectric paper based on SbSI nanowires. <i>Cellulose</i> , 2018, 25, 7-15.	4.9	32
14	Sonochemical growth of nanomaterials in carbon nanotube. <i>Ultrasonics</i> , 2018, 83, 179-187.	3.9	10
15	Unique chromoplast organisation and carotenoid gene expression in carotenoid-rich carrot callus. <i>Planta</i> , 2018, 248, 1455-1471.	3.2	28
16	Ferroelectric SbSI nanowires for ammonia detection at a low temperature. <i>Talanta</i> , 2018, 189, 225-232.	5.5	27
17	Optical properties of nanocomposite fibrous polymer mats containing SbSeI nanowires. <i>Optical Materials</i> , 2018, 84, 383-388.	3.6	3
18	The crystallization kinetics of Er/Yb co-doped oxyfluoride glasses. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2

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19	Using of sonochemically prepared SbSI for electrospun nanofibers. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 544-552.	8.2	19
20	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
21	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
22	The Structure and Shape Memory of the Hot Extruded NiTi Alloy. <i>Key Engineering Materials</i> , 2016, 687, 19-24.	0.4	0
23	SbSI nanowires for ferroelectric generators operating under shock pressure. <i>Materials Letters</i> , 2016, 180, 15-18.	2.6	19
24	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
25	Electrochemical Formation of Second Generation TiO <sub>2</sub> Nanotubes on Ti <sub>13</sub> Nb <sub>13</sub> Zr Alloy for Biomedical Applications. <i>Acta Physica Polonica A</i> , 2016, 130, 1079-1080.	0.5	17
26	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
27	Precession Electron Diffraction Studies of Sr <sub>x</sub> Ba <sub>1-x</sub> Nb <sub>2</sub> O <sub>6</sub> and Ca <sub>x</sub> Ba <sub>1-x</sub> Nb <sub>2</sub> O <sub>6</sub> Single Crystals. <i>Acta Physica Polonica A</i> , 2016, 130, 830-832.	0.5	3
28	Diverse influence of nanoparticles on plant growth with a particular emphasis on crop plants. <i>Acta Agrobotanica</i> , 2016, 69, .	1.0	30
29	Properties of Sonochemically Prepared Cu <sub>1-x</sub> Ga <sub>x</sub> S <sub>2</sub> and Cu <sub>1-x</sub> Ga <sub>x</sub> Se <sub>2</sub> . <i>Acta Physica Polonica A</i> , 2014, 126, 1107-1109.	0.5	1
30	Fabrication and characterization of SbSI gel for humidity sensors. <i>Sensors and Actuators A: Physical</i> , 2014, 210, 119-130.	4.1	46
31	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
32	Quantum efficiency coefficient for photogeneration of carriers in SbSI nanowires. <i>Optical Materials</i> , 2013, 35, 2208-2216.	3.6	21
33	Microstructural Evolution and Corrosion Behavior of Carburized $\hat{1}\pm$ -Fe Plates by Glucose. <i>Solid State Phenomena</i> , 2013, 203-204, 94-98.	0.3	0
34	Characterization of As-Cast Single-Crystal CMSX-4 Superalloy Turbine Blades. <i>Solid State Phenomena</i> , 2013, 203-204, 173-176.	0.3	0
35	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
36	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

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37	The Microstructure of Annealed Galfan Coating on Steel Substrate. Archives of Metallurgy and Materials, 2012, 57, 517.	0.6	8
38	Influence of humidity on impedance of SbSI gel. Sensors and Actuators A: Physical, 2012, 183, 34-42.	4.1	26
39	Preparation and Characterization of Nitinol Bone Staples for Cranio-Maxillofacial Surgery. Journal of Materials Engineering and Performance, 2012, 21, 2650-2656.	2.5	23
40	Sonochemical growth of antimony selenoiodide in multiwalled carbon nanotube. Ultrasonics Sonochemistry, 2012, 19, 179-185.	8.2	16
41	The microstructure of erbium-ytterbium co-doped oxyfluoride glass-ceramic optical fibers. Optical Materials, 2012, 34, 944-950.	3.6	30
42	Effect of Internal Strain on Martensitic Transformations in NiTi Shape Memory Alloys. Materials Transactions, 2011, 52, 358-363.	1.2	14
43	Structure and Functional Properties of Microcrystalline NiTi Alloy after Severe Deformation and Subsequent Annealing. Materials Science Forum, 2011, 674, 53-60.	0.3	1
44	Sonochemical preparation of antimony subiodide. Ultrasonics Sonochemistry, 2010, 17, 219-227.	8.2	13
45	Sonochemical preparation of SbSI nanowires. Ultrasonics Sonochemistry, 2010, 17, 487-493.	8.2	23
46	Using of sonochemically prepared components for vapor phase growing of Sb <sub>3</sub> S <sub>8</sub> . Ultrasonics Sonochemistry, 2010, 17, 892-901.	8.2	3
47	TEM studies of plasma nitrated austenitic stainless steel. Journal of Microscopy, 2010, 237, 227-231.	1.8	29
48	Structure of Antimony Sulfoiodide Ultrasonically Prepared in Carbon Nanotubes. Solid State Phenomena, 2010, 163, 88-92.	0.3	2
49	XPS analysis of sonochemically prepared SbSI ethanogel. Applied Surface Science, 2009, 255, 7689-7694.	6.1	30
50	On the structured imperfections of bulk GaSb using high resolution transmission electron microscopy. Micron, 2009, 40, 6-10.	2.2	1
51	Ferroelectric properties of ultrasonochemically prepared SbSI ethanogel. Ultrasonics Sonochemistry, 2009, 16, 398-401.	8.2	37
52	Influence of the solvent on ultrasonically produced SbSI nanowires. Ultrasonics Sonochemistry, 2009, 16, 537-545.	8.2	15
53	Sonochemical preparation of SbSeI gel. Ultrasonics Sonochemistry, 2009, 16, 546-551.	8.2	24
54	Sonochemical growth of antimony sulfoiodide in multiwalled carbon nanotube. Ultrasonics Sonochemistry, 2009, 16, 800-804.	8.2	18

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55	Infrared spectroscopy of ferroelectric nanowires of antimony sulfoiodide. Infrared Physics and Technology, 2008, 51, 307-315.	2.9	20
56	Sonochemical preparation of SbSI gel. Ultrasonics Sonochemistry, 2008, 15, 709-716.	8.2	77
57	Transmission electron microscopy analysis of phase separation in GaInAsSb films grown on GaSb substrate. Journal of Microscopy, 2006, 224, 121-124.	1.8	5
58	Two-stage R phase transformation in a cold-rolled and annealed Ti <sub>25</sub> 0.6at.%Ni alloy. Scripta Materialia, 2005, 52, 757-760.	5.2	34
59	Instabilities in crystallization and magnetic behavior of Fe-Si-B amorphous alloys. Materials Research Bulletin, 2004, 39, 231-236.	5.2	3
60	FOURIER SPECTROSCOPY OF IMAGES IN MATERIAL SCIENCE. , 2004, , .		0
61	Effect of early stages of precipitation and recovery on the multi-step transformation in deformed and annealed near-equiatomic NiTi alloy. Scripta Materialia, 2003, 48, 571-576.	5.2	44
62	TEM studies of the R-phase transformation in a NiTi shape memory alloy after thermo-mechanical treatment. Materials Chemistry and Physics, 2003, 81, 460-462.	4.0	8
63	Studies of the R-phase transformation in a Ti-51at.%Ni alloy by transmission electron microscopy. Scripta Materialia, 2002, 47, 363-369.	5.2	4
64	Carbon Coatings onto Shape Memory Alloys. Journal of Wide Bandgap Materials, 2001, 8, 189-194.	0.1	2
65	Effect of thermal cycling on as-quenched and aged nickel-rich Ni-Ti alloy. Journal of Materials Science, 1991, 26, 1741-1748.	3.7	35
66	Effect of ageing on martensitic transformation in NiTi shape memory alloy. Journal of Materials Science, 1988, 23, 4127-4131.	3.7	39
67	Influence of <sup>57</sup> Fe precipitates on physical and mechanical properties of Cu-Fe alloys. Metals Technology, 1980, 7, 248-251.	0.3	7
68	Extruded Rods with &lt;001&gt; Axial Texture of Polycrystalline Ni-Mn-Ga Alloys. Materials Science Forum, 0, 635, 189-194.	0.3	9
69	Studies of NiTi Shape Memory Alloy after Severe Plastic Deformation. Solid State Phenomena, 0, 163, 137-140.	0.3	4
70	Structure and Properties of Cold-Worked and Annealed Ti-Ni-Co Shape Memory Wires Designed for Medical Application. Solid State Phenomena, 0, 163, 118-122.	0.3	6
71	TEM Study of Ni-Mn-Co-In Ferromagnetic Shape Memory Alloys. Solid State Phenomena, 0, 186, 271-274.	0.3	0
72	Structure and Phase Transformation in Ni-Co-Mn-In Ferromagnetic Shape Memory Alloys. Solid State Phenomena, 0, 203-204, 240-245.	0.3	1

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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	Electron Diffraction Reinvestigation of CdCr <sub>2</sub> Se <sub>4</sub> and ZnCr <sub>2-x</sub> V <sub>x</sub> Se <sub>4</sub> Spinel Structures. Solid State Phenomena, 0, 203-204, 262-265.	0.3	0
76	Structure and Properties of NiTi Shape Memory Alloys after Severe Plastic Deformation. Materials Science Forum, 0, 738-739, 501-505.	0.3	2
77	Hot Extrusion of Ni-Based Polycrystalline Ferromagnetic Shape Memory Alloys. Solid State Phenomena, 0, 203-204, 306-309.	0.3	4