

# NadÄÅ³¼da PizÄrovÄ;

## List of Publications by Year in descending order

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31  
papers

2,407  
citations

759233

12  
h-index

477307

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

4386  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver Colloid Nanoparticles: Synthesis, Characterization, and Their Antibacterial Activity. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16248-16253.	2.6	2,012
2	ZnO Rods with Exposed {100} Facets Grown via a Self-Catalyzed Vapor-Solid Mechanism and Their Photocatalytic and Gas Sensing Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33335-33342.	8.0	42
3	Gas sensitive ZnO structures with reduced humidity-interference. <i>Sensors and Actuators B: Chemical</i> , 2019, 301, 127054.	7.8	35
4	Îµ-Fe <sub>2</sub> O <sub>3</sub> nanoparticles synthesized in atmospheric-pressure microwave torch. <i>Materials Letters</i> , 2014, 116, 370-373.	2.6	33
5	Alternating magnetic field energy absorption in the dispersion of iron oxide nanoparticles in a viscous medium. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 374, 508-515.	2.3	28
6	Large-Scale Purification of Photon-Upconversion Nanoparticles by Gel Electrophoresis for Analogue and Digital Bioassays. <i>Analytical Chemistry</i> , 2019, 91, 1241-1246.	6.5	28
7	Synthesis of carbon nanotubes and iron oxide nanoparticles in MW plasma torch with Fe(CO) <sub>5</sub> in gas feed. <i>Applied Surface Science</i> , 2009, 255, 5421-5424.	6.1	25
8	Plasmachemical synthesis of maghemite nanoparticles in atmospheric pressure microwave torch. <i>Materials Letters</i> , 2011, 65, 982-984.	2.6	25
9	Exploring the Emission Pathways in Nitrogen-Doped Graphene Quantum Dots for Bioimaging. <i>Journal of Physical Chemistry C</i> , 2021, 125, 21044-21054.	3.1	18
10	Study of Streptavidin-Modified Quantum Dots by Capillary Electrophoresis. <i>Chromatographia</i> , 2013, 76, 335-343.	1.3	17
11	The Role of Diffusion-Controlled Growth in the Formation of Uniform Iron Oxide Nanoparticles with a Link to Magnetic Hyperthermia. <i>Crystal Growth and Design</i> , 2017, 17, 2323-2332.	3.0	15
12	Effect of Alternating Magnetic Field on the Fatigue Behaviour of EN8 Steel and 2014-T6 Aluminium Alloy. <i>Metals</i> , 2019, 9, 984.	2.3	15
13	Thermally induced microstructural transformations and anti-corrosion properties of Co <sub>70</sub> Fe <sub>5</sub> Si <sub>10</sub> B <sub>15</sub> amorphous alloy. <i>Journal of Non-Crystalline Solids</i> , 2018, 500, 326-335.	3.1	12
14	Elasticity of Phases in Fe-Al-Ti Superalloys: Impact of Atomic Order and Anti-Phase Boundaries. <i>Crystals</i> , 2019, 9, 299.	2.2	11
15	Microstructure and functional properties of Fe <sub>73.5</sub> Cu <sub>1</sub> Nb <sub>3</sub> Si <sub>15.5</sub> B <sub>7</sub> amorphous alloy. <i>Materials Chemistry and Physics</i> , 2014, 145, 12-17.	4.0	10
16	Improvement of the wear resistance of nickel-aluminium bronze and 2014-T6 aluminium alloy by application of alternating magnetic field treatment. <i>Wear</i> , 2021, 480-481, 203940.	3.1	10
17	Iron-Based Nanopowders Containing Î±-Fe, Fe <sub>3</sub> C, and Î³-Fe Particles Synthesised in Microwave Torch Plasma and Investigated with Mössbauer Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 08JF11.	1.5	9
18	Thermally induced crystallization of Fe <sub>73.5</sub> Cu <sub>1</sub> Nb <sub>3</sub> Si <sub>15.5</sub> B <sub>7</sub> amorphous alloy. <i>Intermetallics</i> , 2014, 45, 53-59.	3.9	9

#	ARTICLE	IF	CITATIONS
19	Structure elucidation of multicolor emissive graphene quantum dots towards cell guidance. <i>Materials Chemistry Frontiers</i> , 2022, 6, 145-154.	5.9	9
20	Effect of shock wave on microstructure of silicon steel. <i>Surfaces and Interfaces</i> , 2020, 20, 100415.	3.0	7
21	Nanocrystal Growth in Thermally Treated Fe <sub>75</sub> Ni <sub>2</sub> Si <sub>8</sub> B <sub>13</sub> C <sub>2</sub> Amorphous Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 3062-3069.	2.2	6
22	Iron-Based Nanopowders Containing <sup>57</sup> Fe, Fe <sub>3</sub> C, and <sup>59</sup> Fe Particles Synthesised in Microwave Torch Plasma and Investigated with Mössbauer Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 08JF11.	1.5	6
23	Influence of Thermal Treatment on Microstructure and Corrosion Behavior of Amorphous Fe <sub>40</sub> Ni <sub>40</sub> B <sub>12</sub> Si <sub>8</sub> Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 34-45.	2.2	5
24	Influence of thermal treatment on microstructure of Fe <sub>75</sub> Ni <sub>2</sub> Si <sub>8</sub> B <sub>13</sub> C <sub>2</sub> amorphous alloy. <i>Intermetallics</i> , 2012, 25, 75-79.	3.9	4
25	Magnetorheological characterization and electrospinnability of ultrasound-treated polymer solutions containing magnetic nanoparticles. <i>Colloid and Polymer Science</i> , 2018, 296, 1849-1855.	2.1	4
26	Photon-upconversion barcode for monitoring an enzymatic reaction with a fluorescence reporter in droplet microfluidics. <i>Analyst</i> , 2020, 145, 7718-7723.	3.5	4
27	Thermally Induced Structural Transformations of Fe <sub>40</sub> Ni <sub>40</sub> P <sub>14</sub> B <sub>6</sub> Amorphous Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 260-267.	2.2	3
28	Tuning of the Humidity-Interference in Gas Sensitive Columnar ZnO Structures. <i>Proceedings (mdpi)</i> , 2017, 1, 417.	0.2	3
29	Heating Efficiency of Iron Oxide Nanoparticles in Hyperthermia: Effect of Preparation Conditions. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	2
30	Preparation and Properties of MgO-Ni(Fe) Nanocrystalline Composites. , 2005, , 281-287.		0
31	AB INITIO STUDY OF SILVER NANOPARTICLES, GRAIN BOUNDARIES AND THEIR QUADRUPLE JUNCTIONS. , 2021, , .		0