NadÄ›Å¾da PizÃºrovÃ¡

List of Publications by Year
in descending order

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	Structure elucidation of multicolor emissive graphene quantum dots towards cell guidance. Materials Chemistry Frontiers, 2022, 6, 145-154.	5.9	9
2	Influence of Thermal Treatment on Microstructure and Corrosion Behavior of Amorphous Fe40Ni40B12Si8 Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 34-45.	2.2	5
3	Improvement of the wear resistance of nickel-aluminium bronze and 2014-T6 aluminium alloy by application of alternating magnetic field treatment. Wear, 2021, 480-481, 203940.	3.1	10
4	Exploring the Emission Pathways in Nitrogen-Doped Graphene Quantum Dots for Bioimaging. Journal of Physical Chemistry C, 2021, 125, 21044-21054.	3.1	18
5	AB INITIO STUDY OF SILVER NANOPARTICLES, GRAIN BOUNDARIES AND THEIR QUADRUPLE JUNCTIONS. , 2021, , .		0
6	Effect of shock wave on microstructure of silicon steel. Surfaces and Interfaces, 2020, 20, 100415.	3.0	7
7	Photon-upconversion barcode for monitoring an enzymatic reaction with a fluorescence reporter in droplet microfluidics. Analyst, The, 2020, 145, 7718-7723.	3.5	4
8	Effect of Alternating Magnetic Field on the Fatigue Behaviour of EN8 Steel and 2014-T6 Aluminium Alloy. Metals, 2019, 9, 984.	2.3	15
9	Gas sensitive ZnO structures with reduced humidity-interference. Sensors and Actuators B: Chemical, 2019, 301, 127054.	7.8	35
10	Elasticity of Phases in Fe-Al-Ti Superalloys: Impact of Atomic Order and Anti-Phase Boundaries. Crystals, 2019, 9, 299.	2.2	11
11	Large-Scale Purification of Photon-Upconversion Nanoparticles by Gel Electrophoresis for Analogue and Digital Bioassays. Analytical Chemistry, 2019, 91, 1241-1246.	6.5	28
12	Magnetorheological characterization and electrospinnability of ultrasound-treated polymer solutions containing magnetic nanoparticles. Colloid and Polymer Science, 2018, 296, 1849-1855.	2.1	4
13	Thermally induced microstructural transformations and anti-corrosion properties of Co70Fe5Si10B15 amorphous alloy. Journal of Non-Crystalline Solids, 2018, 500, 326-335.	3.1	12
14	The Role of Diffusion-Controlled Growth in the Formation of Uniform Iron Oxide Nanoparticles with a Link to Magnetic Hyperthermia. Crystal Growth and Design, 2017, 17, 2323-2332.	3.0	15
15	Tuning of the Humidity-Interference in Gas Sensitive Columnar ZnO Structures. Proceedings (mdpi), 2017, 1, 417.	0.2	3
16	ZnO Rods with Exposed {100} Facets Grown via a Self-Catalyzed Vaporâ€“Solid Mechanism and Their Photocatalytic and Gas Sensing Properties. ACS Applied Materials & Interfaces, 2016, 8, 33335-33342.	8.0	42
17	Thermally Induced Structural Transformations of Fe40Ni40P14B6 Amorphous Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 260-267.	2.2	3
18	Alternating magnetic field energy absorption in the dispersion of iron oxide nanoparticles in a viscous medium. Journal of Magnetism and Magnetic Materials, 2015, 374, 508-515.	2.3	28

#	Article	IF	Citations
19	Heating Efficiency of Iron Oxide Nanoparticles in Hyperthermia: Effect of Preparation Conditions. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	2
20	Îµ-Fe2O3 nanoparticles synthesized in atmospheric-pressure microwave torch. Materials Letters, 2014, 116, 370-373.	2.6	33
21	Microstructure and functional properties of Fe73.5Cu1Nb3Si15.5B7 amorphous alloy. Materials Chemistry and Physics, 2014, 145, 12-17.	4.0	10
22	Thermally induced crystallization of Fe73.5Cu1Nb3Si15.5B7 amorphous alloy. Intermetallics, 2014, 45, 53-59.	3.9	9
23	Study of Streptavidin-Modified Quantum Dots by Capillary Electrophoresis. Chromatographia, 2013, 76, 335-343.	1.3	17
24	Influence of thermal treatment on microstructure of Fe75Ni2Si8B13C2 amorphous alloy. Intermetallics, 2012, 25, 75-79.	3.9	4
25	Nanocrystal Growth in Thermally Treated Fe75Ni2Si8B13C2 Amorphous Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 3062-3069.	2.2	6
26	Plasmachemical synthesis of maghemite nanoparticles in atmospheric pressure microwave torch. Materials Letters, 2011, 65, 982-984.	2.6	25
27	Iron-Based Nanopowders Containing Î±-Fe, Fe₃C, and Î³-Fe Particles Synthesised in Microwave Torch Plasma and Investigated with MÃ¶ssbauer Spectroscopy. Japanese Journal of Applied Physics, 2011, 50, 08JF11.	1.5	9
28	Iron-Based Nanopowders Containing Î±-Fe, Fe3C, and Î³-Fe Particles Synthesised in Microwave Torch Plasma and Investigated with MÃ¶ssbauer Spectroscopy. Japanese Journal of Applied Physics, 2011, 50, 08JF11.	1.5	6
29	Synthesis of carbon nanotubes and iron oxide nanoparticles in MW plasma torch with Fe(CO)5 in gas feed. Applied Surface Science, 2009, 255, 5421-5424.	6.1	25
30	Silver Colloid Nanoparticles:Â Synthesis, Characterization, and Their Antibacterial Activity. Journal of Physical Chemistry B, 2006, 110, 16248-16253.	2.6	2,012
31	Preparation and Properties of MgO-Ni(Fe) Nanocrystalline Composites. , 2005, , 281-287.		0