

Seyed Khatiboleslam Sadrnezhad

List of Publications by Year
in descending order

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#	ARTICLE	IF	CITATIONS
1	Electrodeposition of Niâ€SiC nano-composite coatings and evaluation of wear and corrosion resistance and electroplating characteristics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 315, 176-182.	4.7	348
2	Effects of morphology on photocatalytic performance of Zinc oxide nanostructures synthesized by rapid microwave irradiation methods. Superlattices and Microstructures, 2012, 51, 512-522.	3.1	155
3	Synthesis of wide band gap nanocrystalline NiO powder via a sonochemical method. Ultrasonics Sonochemistry, 2012, 19, 841-845.	8.2	146
4	Curcumin-reduced graphene oxide sheets and their effects on human breast cancer cells. Materials Science and Engineering C, 2015, 55, 482-489.	7.3	122
5	Hydroxyapatite nanocomposites: Synthesis, sintering and mechanical properties. Ceramics International, 2013, 39, 2197-2206.	4.8	112
6	Sonochemical preparation of TiO2 nanoparticles. Materials Letters, 2007, 61, 4559-4561.	2.6	107
7	Corrosion behavior of aluminum 6061 alloy joined by friction stir welding and gas tungsten arc welding methods. Materials & Design, 2012, 39, 329-333.	5.1	102
8	Effect of a novel sintering process on mechanical properties of hydroxyapatite ceramics. Journal of Alloys and Compounds, 2009, 471, 180-184.	5.5	101
9	Reverse precipitation synthesis and characterization of CeO2 nanopowder. Journal of Alloys and Compounds, 2010, 491, 499-502.	5.5	97
10	Suppression of grain growth in sub-micrometer alumina via two-step sintering method. Journal of the European Ceramic Society, 2009, 29, 1371-1377.	5.7	93
11	Two-step sintering of nanocrystalline 8Y2O3 stabilized ZrO2 synthesized by glycine nitrate process. Ceramics International, 2009, 35, 13-20.	4.8	88
12	Self-Assembly of Dandelion-Like Hydroxyapatite Nanostructures Via Hydrothermal Method. Journal of the American Ceramic Society, 2008, 91, 3292-3297.	3.8	86
13	Laser welding of NiTi shape memory alloy: Comparison of the similar and dissimilar joints to AISI 304 stainless steel. Optics and Laser Technology, 2013, 54, 151-158.	4.6	84
14	Nanostructure sword-like ZnO wires: Rapid synthesis and characterization through a microwave-assisted route. Journal of Alloys and Compounds, 2009, 469, 293-297.	5.5	82
15	Rapid Formation of Mono-Dispersed Hydroxyapatite Nanorods with Narrow-Size Distribution via Microwave Irradiation. Journal of the American Ceramic Society, 2008, 91, 3580-3584.	3.8	79
16	Sintering of titania nanoceramic: Densification and grain growth. Ceramics International, 2009, 35, 685-691.	4.8	78
17	NiO Nanoparticles Synthesis by Chemical Precipitation and Effect of Applied Surfactant on Distribution of Particle Size. Journal of Nanomaterials, 2008, 2008, 1-4.	2.7	77
18	Oxidation Mechanism of C in MgO-C Refractory Bricks. Journal of the American Ceramic Society, 2006, 89, 1308-1316.	3.8	75

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19	Novel microwave-assisted synthesis of porous g-C ₃ N ₄ /SnO ₂ nanocomposite for solar water-splitting. Applied Surface Science, 2018, 440, 153-161.	6.1	67
20	Rapid formation of hydroxyapatite nanostrips via microwave irradiation. Journal of Alloys and Compounds, 2009, 469, 391-394.	5.5	61
21	Self-assembled zinc oxide nanostructures via a rapid microwave-assisted route. Journal of Crystal Growth, 2008, 310, 3621-3625.	1.5	60
22	Microwave-assisted synthesis of narciss-like zinc oxide nanostructures. Journal of Alloys and Compounds, 2010, 497, 325-329.	5.5	60
23	Hydroxyapatite based and anodic Titania nanotube biocomposite coatings: Fabrication, characterization and electrochemical behavior. Surface and Coatings Technology, 2016, 287, 67-75.	4.8	59
24	Effect of Al Antioxidant on the Rate of Oxidation of Carbon in MgO/C Refractory. Journal of the American Ceramic Society, 2007, 90, 509-515.	3.8	57
25	Thermodynamics of vanadium (V) solvent extraction by mixture of D2EHPA and TBP. International Journal of Mineral Processing, 2015, 138, 49-54.	2.6	55
26	Preparation of nanostructured high-temperature TZM alloy by mechanical alloying and sintering. International Journal of Refractory Metals and Hard Materials, 2011, 29, 141-145.	3.8	53
27	Two-step sintering of titania nanoceramics assisted by anatase-to-rutile phase transformation. Scripta Materialia, 2008, 59, 139-142.	5.2	52
28	Photocatalytic degradation of methyl orange and cyanide by using TiO ₂ /CuO composite. Desalination and Water Treatment, 2016, 57, 22029-22038.	1.0	51
29	Gas sensing behavior of nanostructured sensors based on tin oxide synthesized with different methods. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 140, 73-80.	3.5	49
30	Fabrication of porous NiTi-shape memory alloy objects by partially hydrided titanium powder for biomedical applications. Materials & Design, 2009, 30, 4483-4487.	5.1	49
31	Manufacturing Wear-Resistant 10Ce-TZP/Al ₂ O ₃ Nanoparticle Aluminum Composite by Powder Metallurgy Processing. Materials and Manufacturing Processes, 2014, 29, 1237-1244.	4.7	49
32	Electrochemical evaluation of nanocrystalline Zn-doped tin oxides as anodes for lithium ion microbatteries. Journal of Power Sources, 2011, 196, 399-404.	7.8	48
33	Kinetics of pressure oxidative leaching of molybdenite concentrate by nitric acid. Hydrometallurgy, 2012, 111-112, 52-57.	4.3	47
34	Separation of Re and Mo from roasting-dust leach-liquor using solvent extraction technique by TBP. Separation and Purification Technology, 2012, 86, 143-148.	7.9	46
35	One-pot microwave synthesis of hierarchical C-doped CuO dandelions/g-C ₃ N ₄ nanocomposite with enhanced photostability for photoelectrochemical water splitting. Applied Surface Science, 2020, 530, 147271.	6.1	46
36	Influence of SiC nanoparticles and saccharin on the structure and properties of electrodeposited Ni-Fe/SiC nanocomposite coatings. Journal of Alloys and Compounds, 2009, 484, 540-544.	5.5	45

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37	Ultrasonic induced photoluminescence decay in sonochemically obtained cauliflower-like ZnO nanostructures with surface 1D nanoarrays. Ultrasonics Sonochemistry, 2009, 16, 11-14.	8.2	43
38	Combustion synthesis of g-C ₃ N ₄ /Fe ₂ O ₃ nanocomposite for superior photoelectrochemical catalytic performance. Applied Surface Science, 2020, 534, 147563.	6.1	43
39	3D bundles of self-assembled lanthanum hydroxide nanorods via a rapid microwave-assisted route. Journal of Alloys and Compounds, 2009, 473, 283-287.	5.5	40
40	Effects of annealing on phase evolution, microstructure and magnetic properties of mechanically synthesized nickel-ferrite. Ceramics International, 2010, 36, 2241-2245.	4.8	40
41	Self-assembly of ZnO nanoparticles and subsequent formation of hollow microspheres. Journal of Alloys and Compounds, 2009, 468, 303-307.	5.5	39
42	Effects of material properties on mechanical performance of Nitinol stent designed for femoral artery: Finite element analysis. Scientia Iranica, 2012, 19, 1564-1571.	0.4	39
43	Hot corrosion behavior and near-surface microstructure of a low-temperature high-activity Cr-aluminide coating on inconel 738LC exposed to Na ₂ SO ₄ , Na ₂ SO ₄ + V ₂ O ₅ and Na ₂ SO ₄ + V ₂ O ₅ + NaCl at 900 °C. Corrosion Science, 2017, 128, 42-53.	6.6	39
44	Mathematical model for a straight grate iron ore pellet induration process of industrial scale. Computational Materials Science, 2008, 44, 296-302.	3.0	37
45	In-situ hydrothermal synthesis of Na ₃ MnCO ₃ PO ₄ /rGO hybrid as a cathode for Na-ion battery. Electrochimica Acta, 2016, 208, 188-194.	5.2	36
46	Prediction of the effect of vacuum sintering conditions on porosity and hardness of porous NiTi shape memory alloy using ANFIS. Computational Materials Science, 2007, 40, 359-365.	3.0	35
47	Self-assembly of boehmite nanopetals to form 3D high surface area nanoarchitectures. Applied Physics A: Materials Science and Processing, 2010, 99, 317-321.	2.3	35
48	Fabrication of biocompatible titanium scaffolds using space holder technique. Journal of Materials Science: Materials in Medicine, 2012, 23, 2483-2488.	3.6	35
49	Ball mill assisted synthesis of Na ₃ MnCO ₃ PO ₄ nanoparticles anchored on reduced graphene oxide for sodium ion battery cathodes. Electrochimica Acta, 2016, 220, 683-689.	5.2	35
50	Effect of Mechanical Alloying and Sintering on Ni-Ti Powders. Materials and Manufacturing Processes, 2004, 19, 475-486.	4.7	34
51	Hot pressing of nanocrystalline zinc oxide compacts: Densification and grain growth during sintering. Ceramics International, 2009, 35, 991-995.	4.8	34
52	Closed-cell Al alloy composite foams: Production and characterization. Materials & Design, 2012, 42, 8-12.	5.1	33
53	Enhanced dye loading-light harvesting TiO ₂ photoanode with screen printed nanorod-nanoparticles assembly for highly efficient solar cell. Electrochimica Acta, 2015, 169, 395-401.	5.2	33
54	Effects of initial precursor and microwave irradiation on step-by-step synthesis of zinc oxide nano-architectures. Materials Letters, 2012, 67, 342-345.	2.6	32

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55	Cyclic oxidation characteristics of HVOF thermal-sprayed NiCoCrAlY and CoNiCrAlY coatings at 1000°C. Journal of Alloys and Compounds, 2018, 746, 509-519.	5.5	32
56	Chemical durability of lead silicate glass in HNO ₃ , HCl and H ₂ SO ₄ aqueous acid solutions. Journal of Non-Crystalline Solids, 2009, 355, 169-174.	3.1	30
57	Powder Metallurgical Fabrication and Characterization of Nanostructured Porous NiTi Shape-Memory Alloy. Materials and Manufacturing Processes, 2006, 21, 727-735.	4.7	29
58	Mechanism of reaction of molten NiTi with EBM graphite crucible. Materials Science and Technology, 2009, 25, 699-706.	1.6	29
59	Nanotechnology in the public eye: the case of Iran, as a developing country. Journal of Nanoparticle Research, 2011, 13, 3511-3519.	1.9	29
60	Alumina Nanopowder Production from Synthetic Bayer Liquor. Journal of the American Ceramic Society, 2006, 89, 3654-3657.	3.8	28
61	Polypyrrole/multiwall carbon nanotube nanocomposites electropolymerized on copper substrate. Materials Letters, 2007, 61, 4412-4415.	2.6	28
62	Optimum temperature for recovery and recrystallization of 52Ni48Ti shape memory alloy. Materials & Design, 2007, 28, 1945-1948.	5.1	28
63	Effect of high energy ball milling on compressibility and sintering behavior of alumina nanoparticles. Ceramics International, 2012, 38, 2627-2632.	4.8	28
64	Property Change During Fixtured Sintering of NiTi Memory Alloy. Materials and Manufacturing Processes, 2006, 21, 87-96.	4.7	27
65	W ₁₅ wt%Cu nano-composite produced by hydrogen-reduction/sintering of WO ₃ -CuO nano-powder. International Journal of Refractory Metals and Hard Materials, 2010, 28, 441-445.	3.8	27
66	Binary and ternary NiTi-based shape memory films deposited by simultaneous sputter deposition from elemental targets. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 1425-1429.	2.1	26
67	The Effect of Conformation Method and Sintering Technique on the Densification and Grain Growth of Nanocrystalline 8 mol% Yttria-Stabilized Zirconia. Journal of the American Ceramic Society, 2009, 92, 990-995.	3.8	26
68	Pore control in SMA NiTi scaffolds via space holder usage. Materials Science and Engineering C, 2012, 32, 1266-1270.	7.3	26
69	Phase transformation behavior of porous NiTi alloy fabricated by powder metallurgical method. Materials Science and Engineering C, 2009, 29, 2203-2207.	7.3	25
70	Improved adhesion of NiTi wire to silicone matrix for smart composite medical applications. Materials & Design, 2009, 30, 3667-3672.	5.1	25
71	Processing and surface properties of Al ₂ O ₃ -AlN composites produced from nanostructured milled powders. Journal of Alloys and Compounds, 2010, 490, 624-630.	5.5	25
72	Kinetics and reaction mechanism of isothermal oxidation of Iranian ilmenite concentrate powder. Journal of Thermal Analysis and Calorimetry, 2013, 112, 781-789.	3.6	25

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73	Synthesis of nano-hydroxyapatite under a sonochemical/hydrothermal condition. Biomedical Materials (Bristol), 2008, 3, 025002.	3.3	24
74	Electrochemical potential noise analysis of Cu/BTA system using wavelet transformation. Journal of Electroanalytical Chemistry, 2009, 633, 240-245.	3.8	24
75	End-closed NiCoFe-B nanotube arrays by electroless method. Materials Letters, 2011, 65, 289-292.	2.6	24
76	Gel sol synthesis and aging effect on highly crystalline anatase nanopowder. Bulletin of Materials Science, 2011, 34, 1189-1195.	1.7	24
77	Fabrication of aluminum nitride coatings by electrophoretic deposition: Effect of particle size on deposition and drying behavior. Ceramics International, 2011, 37, 313-319.	4.8	24
78	Computational electromagnetics in plasmonic nanostructures. Journal of Materials Chemistry C, 2021, 9, 9791-9819.	5.5	24
79	Effects of VIM frequency on chemical composition, homogeneity and microstructure of NiTi shape memory alloy. Materials Science and Technology, 2004, 20, 593-598.	1.6	23
80	Bone-like apatite layer formation on the new resin-modified glass-ionomer cement. Journal of Materials Science: Materials in Medicine, 2008, 19, 3507-3514.	3.6	23
81	Bundles of self-assembled boehmite nanostrips from a surfactant free hydrothermal route. Journal of Alloys and Compounds, 2008, 461, 551-554.	5.5	23
82	Electrochemical synthesis of flake-like Fe/MWCNTs nanocomposite for hydrogen evolution reaction: Effect of the CNTs on dendrite growth of iron and its electrocatalytic activity. Current Applied Physics, 2010, 10, 72-76.	2.4	22
83	Effect of hydrogen reduction on microstructure and magnetic properties of mechanochemically synthesized Fe _{16.5} Ni _{16.5} Co nano-powder. Journal of Magnetism and Magnetic Materials, 2009, 321, 2729-2732.	2.3	21
84	The seeding effect on the microstructure and photocatalytic properties of ZnO nano powders. Materials Letters, 2010, 64, 1935-1938.	2.6	21
85	CVD fabrication of carbon nanotubes on electrodeposited flower-like Fe nanostructures. Journal of Alloys and Compounds, 2010, 507, 494-497.	5.5	21
86	Synthesis of Fe/Ni nano-particles by low-temperature hydrogen reduction of mechanically alloyed Ni-ferrite. Journal of Alloys and Compounds, 2009, 485, 484-487.	5.5	20
87	Micro arc oxidation of nano-crystalline Ag-doped TiO ₂ semiconductors. Materials Letters, 2011, 65, 840-842.	2.6	20
88	Corrosion behavior of polypyrrole/hydroxyapatite nanocomposite thin films electropolymerized on NiTi substrates in simulated body fluid. Materials and Corrosion - Werkstoffe Und Korrosion, 2011, 62, 252-257.	1.5	19
89	Effect of high energy ball milling on compressibility of nanostructured composite powder. Powder Metallurgy, 2011, 54, 24-29.	1.7	19
90	Effect of welding parameters on microstructure, mechanical properties and hot cracking phenomenon in Udimet 520 superalloy. Materials & Design, 2012, 36, 94-99.	5.1	19

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91	Hierarchical rutile/anatase TiO ₂ nanorod/nanoflower thin film: Synthesis and characterizations. Materials Science in Semiconductor Processing, 2019, 93, 252-259.	4.0	18
92	Boehmite nanopetals self assembled to form rosette-like nanostructures. Materials Letters, 2008, 62, 4184-4186.	2.6	17
93	Morphology and magnetic properties of FeCo nanocrystalline powder produced by modified mechanochemical procedure. Journal of Magnetism and Magnetic Materials, 2010, 322, 3551-3554.	2.3	17
94	The Influence of Surface Nanocrystallization Induced by Shot Peening on Corrosion Behavior of NiTi Alloy. Journal of Materials Engineering and Performance, 2015, 24, 3093-3099.	2.5	17
95	Hydrothermal synthesis and characterization of TiO ₂ nanostructures using LiOH as a solvent. Advanced Powder Technology, 2011, 22, 336-339.	4.1	16
96	Microstructure and Mechanical Property Change During FSW and GTAW of Al6061 Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 2187-2195.	2.2	16
97	Development and biomedical application of nanocomposites: <i>in situ</i> fabrication of ZnO/PbO nanocomposite through microwave method. Materials Technology, 2014, 29, 227-231.	3.0	16
98	Synthesis and characterization of chitosan coating of NiFe ₂ O ₄ nanoparticles for biomedical applications. Journal of the Iranian Chemical Society, 2016, 13, 2069-2076.	2.2	16
99	A novel method for production of foamy core@compact shell Ti6Al4V bone-like composite. Journal of Alloys and Compounds, 2016, 656, 416-422.	5.5	16
100	Chemical corrosion and gamma-ray attenuation properties of Zr and Ti containing lead silicate glasses. Journal of Nuclear Materials, 2009, 385, 527-532.	2.7	14
101	Corrosion behavior of ZrO ₂ -SiO ₂ -Al ₂ O ₃ refractories in lead silicate glass melts. Journal of the European Ceramic Society, 2011, 31, 715-721.	5.7	14
102	Nanocrystalline copper doped zinc oxide produced from copper doped zinc hydroxide nitrate as a layered precursor. Advanced Powder Technology, 2012, 23, 279-283.	4.1	14
103	Fabrication of porous NiTi alloy via powder metallurgy and its mechanical characterization by shear punch method. Russian Journal of Non-Ferrous Metals, 2012, 53, 169-175.	0.6	14
104	Electroplating and characterization of Cr-Al ₂ O ₃ nanocomposite film from a trivalent chromium bath. Anti-Corrosion Methods and Materials, 2014, 61, 205-214.	1.5	14
105	Growth and microstructural investigation of multiwall carbon nanotubes fabricated using electrodeposited nickel nanodeposits and chemical vapor deposition method. Journal of Molecular Structure, 2014, 1074, 250-254.	3.6	14
106	Microstructure, Cyclic Deformation and Corrosion Behavior of Laser Welded NiTi Shape Memory Wires. Journal of Materials Engineering and Performance, 2015, 24, 3356-3364.	2.5	14
107	Effect of Microstructure on Rolling Behavior of NiTi Memory Alloy. Materials and Manufacturing Processes, 2008, 23, 646-650.	4.7	13
108	In vitro bioactivity of novel cured ionomer cement based on iron oxide. Ceramics International, 2010, 36, 1645-1651.	4.8	13

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109	Densification Behavior and Mechanical Properties of Biomimetic Apatite Nanocrystals. Current Nanoscience, 2011, 7, 776-780.	1.2	13
110	Effect of Post Weld Heat Treatment on Mechanical and Corrosion Behaviors of NiTi and Stainless Steel Laser-Welded Wires. Journal of Materials Engineering and Performance, 2016, 25, 2395-2402.	2.5	13
111	Improvement in TiO ₂ photocatalytic performance by ZrO ₂ nanocompositing and immobilizing. Desalination and Water Treatment, 2016, 57, 28450-28459.	1.0	13
112	Synthesis and characterization of supportless Ni-Pd-CNT nanocatalyst for hydrogen production via steam reforming of methane. International Journal of Hydrogen Energy, 2018, 43, 1319-1336.	7.1	13
113	EIS study of porous NiTi biomedical alloy in simulated body fluid. Materials and Corrosion - Werkstoffe Und Korrosion, 2009, 60, 871-875.	1.5	12
114	Neural network prediction of mechanical properties of porous NiTi shape memory alloy. Powder Metallurgy, 2011, 54, 450-454.	1.7	12
115	Influence of pulse parameters on electrocodeposition of Cr-Al ₂ O ₃ nanocomposite coatings from trivalent chromium bath. International Heat Treatment and Surface Engineering, 2012, 6, 178-184.	0.2	12
116	MCDM selection of pulse parameters for best tribological performance of Cr-Al ₂ O ₃ nano-composite co-deposited from trivalent chromium bath. Journal of Alloys and Compounds, 2017, 727, 286-296.	5.5	12
117	An investigation of crystallization kinetics of the Na ₃ MnCO ₃ PO ₄ cathode material, synthesized by the hydrothermal method. Materials Chemistry and Physics, 2018, 214, 73-79.	4.0	12
118	The prominent role of fully-controlled surface co-modification procedure using titanium nanotubes and silk fibroin nanofibers in the performance enhancement of Ti6Al4V implants. Surface and Coatings Technology, 2021, 412, 127001.	4.8	12
119	Thermodynamics of extraction of Re O ₄ from aqueous sulfuric acid media with Tri-n-butyl phosphate dissolved in kerosene. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2001, 32, 5-10.	2.1	11
120	Fe ₅₀ Co ₅₀ nanoparticles via self-propagating high-temperature synthesis during milling. Powder Technology, 2011, 208, 623-627.	4.2	11
121	Flower-like boehmite nanostructure formation in two-steps. Journal of Coordination Chemistry, 2014, 67, 555-562.	2.2	11
122	Kinetics of Sulfur Removal from Tehran Vehicular Gasoline by g-C ₃ N ₄ /SnO ₂ Nanocomposite. ACS Omega, 2019, 4, 13180-13188.	3.5	11
123	Electrophoretic encapsulation for slow release of vancomycin from perpendicular TiO ₂ nanotubes grown on Ti6Al4V electrodes. Materials Research Express, 2019, 6, 125424.	1.6	11
124	Microstructure and thermodynamic investigation of Ni Ti system produced by mechanical alloying. Physica B: Condensed Matter, 2019, 552, 214-220.	2.7	11
125	Fabrication of novel poly(N-vinylcaprolactam)-coated UiO-66-NH ₂ metal organic framework nanocarrier for the controlled release of doxorubicin against A549 lung cancer cells. Journal of Drug Delivery Science and Technology, 2021, 66, 102881.	3.0	11
126	Simple SPR-based colorimetric sensor to differentiate Mg ²⁺ and Ca ²⁺ in aqueous solutions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 268, 120692.	3.9	11

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127	Bioinspired TiO ₂ /chitosan/HA coatings on Ti surfaces: biomedical improvement by intermediate hierarchical films. Biomedical Materials (Bristol), 2022, 17, 035007.	3.3	11
128	SPR-based assay kit for rapid determination of Pb ²⁺ . Analytica Chimica Acta, 2022, 1220, 340030.	5.4	11
129	Structural changes of radial forging die surface during service under thermo-mechanical fatigue. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 527, 98-102.	5.6	10
130	Simultaneous synthesis and single-step sintering of lead magnesium niobate ceramic using mixed nanopowders. Ceramics International, 2009, 35, 1139-1144.	4.8	10
131	Photocatalytic Activity of Immobilized Geometries of TiO ₂ . Journal of Materials Engineering and Performance, 2015, 24, 2757-2763.	2.5	10
132	Comparison of Isothermal with Cyclic Oxidation Behavior of Cr-Aluminide Coating on Inconel 738LC at 900°C. Oxidation of Metals, 2017, 87, 57-74.	2.1	10
133	A Novel Method to Fabricate Hierarchical Copper Oxide Photoelectrode and Its Application for Photoelectrochemical Water Splitting. ECS Transactions, 2020, 97, 845-856.	0.5	10
134	A two step Microwave-assisted coke resistant mesoporous Ni-Co catalyst for methane steam reforming. Fuel, 2022, 317, 122411.	6.4	10
135	Photocatalytic decoloration of Acid Red 27 in presence of SnO ₂ nanoparticles. Water Science and Technology, 2010, 62, 1256-1264.	2.5	9
136	Stabilization of nanostructured materials using fine inert ceramic particles. Ceramics International, 2010, 36, 793-796.	4.8	9
137	Effects of Ion-Exchange and Hydrolysis Mechanisms on Lead Silicate Glass Corrosion. Corrosion, 2012, 68, 793-800.	1.1	9
138	Enhanced corrosion resistance of porous NiTi with plasma sprayed alumina coating. Corrosion Engineering Science and Technology, 2015, 50, 595-600.	1.4	9
139	Molecular dynamics simulation of plastic deformation and interfacial delamination of NiTi/Ag bilayer by cyclic-nanoindentation: Effects of crystallographic orientation of substrate. Computational Materials Science, 2019, 168, 229-245.	3.0	9
140	Magnetic stirring assisted hydrothermal synthesis of Na ₃ MnCO ₃ PO ₄ cathode material for sodium-ion battery. Ceramics International, 2021, 47, 26929-26934.	4.8	9
141	The effect of addition of Tiron as a surfactant on the microstructure of chemically deposited zinc oxide. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 128, 53-57.	3.5	8
142	Growth of tin oxide nanotubes by aerial carbothermal evaporation. Applied Physics A: Materials Science and Processing, 2009, 97, 361-364.	2.3	8
143	Large pore volume mesoporous copper particles and scaffold microporous carbon material obtained from an inorganic-organic nanohybrid material, copper-succinate-layered hydroxide. Journal of Colloid and Interface Science, 2011, 362, 89-93.	9.4	8
144	Facile synthesis of monodisperse thermally immiscible Ag-Ni alloy nanoparticles at room temperature. Bulletin of Materials Science, 2014, 37, 1447-1452.	1.7	8

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145	Investigation of photocatalytic performance of TiO ₂ network and fiber geometries. Desalination and Water Treatment, 2016, 57, 23644-23650.	1.0	8
146	Fabrication of a Highly Flexible and Affordable Transparent Electrode By Aligned U-Shaped Copper Nanowires Using a New Electrospinning Collector with Convenient Transferability. ACS Omega, 2019, 4, 21260-21266.	3.5	8
147	Porous shape memory dental implant by reactive sintering of TiH ₂ -Ni-Urea mixture. Materials Science and Engineering C, 2020, 107, 110213.	7.3	8
148	Surfactant free hydrothermal formation of Pb ₃ O ₄ nanorods. Journal of Alloys and Compounds, 2008, 466, 323-325.	5.5	7
149	PHASE INVERSION PREPARATION AND MORPHOLOGICAL STUDY OF POLYVINYLIDENE FLUORIDE ULTRAFILTRATION MEMBRANE MODIFIED BY NANO-SIZED ALUMINA. Functional Materials Letters, 2009, 02, 113-119.	1.2	7
150	Zinc-stearate-layered hydroxide nanohybrid material as a precursor to produce carbon nanoparticles. Journal of Alloys and Compounds, 2011, 509, 2441-2444.	5.5	7
151	Nanostructural study of NiTi@TiO ₂ @C core-shell nanoparticles generated by spark discharge method. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	7
152	Photocatalytic activity of rutile/anatase TiO ₂ nanorod/nanobranched thin film loaded with Au@Ag@Au core double shell nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 380, 111843.	3.9	7
153	Improving the multi-step fabrication approach of copper nanofiber networks based transparent electrode for achieving superb conductivity and transparency. Materials Research Express, 2019, 6, 095098.	1.6	7
154	Gold@Silver@Gold Core Double-Shell Nanoparticles: Synthesis and Aggregation-Enhanced Two-Photon Photoluminescence Evaluation. Plasmonics, 2020, 15, 409-416.	3.4	7
155	Magnetic hyperthermia behaviour of Co and reduced GO nanocomposites. Micro and Nano Letters, 2020, 15, 239-244.	1.3	7
156	An investigation on the influence of milling time and calcination temperature on the characterization of nano cerium oxide powder synthesized by mechanochemical route. Materials Research Bulletin, 2012, 47, 3586-3591.	5.2	6
157	Effects of Crimping on Mechanical Performance of Nitinol Stent Designed for Femoral Artery: Finite Element Analysis. Journal of Materials Engineering and Performance, 2013, 22, 3228-3236.	2.5	6
158	Fabrication mechanism of nanostructured HA/TNTs biomedical coatings: an improvement in nanomechanical and in vitro biological responses. Journal of Materials Science: Materials in Medicine, 2016, 27, 150.	3.6	6
159	Evaluation and Selection of Optimal Oxygen/Fuel Ratio for Best Mechanical Properties, Oxidation Resistance and Microstructure of HVOF NiCoCrAlY Coatings Using AHP@VIKOR Method. Oxidation of Metals, 2018, 89, 429-451.	2.1	6
160	Atomistic study of the effect of crystallographic orientation on the twinning and detwinning behavior of NiTi shape memory alloys. Computational Materials Science, 2022, 203, 111080.	3.0	6
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