Sundara Ramaprabhu

List of Publications by Year
in descending order

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388 papers	17,840 citations	12303 69 h-index	19136 118 g-index
389 all docs	389 docs citations	389 times ranked	20695 citing authors

#	Article	IF	Citations
1	A Raman spectroscopic investigation of graphite oxide derived graphene. AIP Advances, 2012, 2, .	0.6	709
2	Nitrogen doped graphene nanoplatelets as catalyst support for oxygen reduction reaction in proton exchange membrane fuel cell. Journal of Materials Chemistry, 2010, 20, 7114.	6.7	594
3	Functionalized Graphene-Based Nanocomposites for Supercapacitor Application. Journal of Physical Chemistry C, 2011, 115, 14006-14013.	1.5	377
4	Graphene-Based Engine Oil Nanofluids for Tribological Applications. ACS Applied Materials & Interfaces, 2011, 3, 4221-4227.	4.0	366
5	Functionalized Grapheneâ€“PVDF Foam Composites for EMI Shielding. Macromolecular Materials and Engineering, 2011, 296, 894-898.	1.7	343
6	Nanostructured Pt decorated graphene and multi walled carbon nanotube based room temperature hydrogen gas sensor. Nanoscale, 2009, 1, 382.	2.8	335
7	Graphene synthesis via hydrogen induced low temperature exfoliation of graphite oxide. Journal of Materials Chemistry, 2010, 20, 8467.	6.7	317
8	Nanocrystalline Metal Oxides Dispersed Multiwalled Carbon Nanotubes as Supercapacitor Electrodes. Journal of Physical Chemistry C, 2007, 111, 7727-7734.	1.5	307
9	Functionalized graphene sheets for arsenic removal and desalination of sea water. Desalination, 2011, 282, 39-45.	4.0	307
10	Effect of Nitrogen Doping on Hydrogen Storage Capacity of Palladium Decorated Graphene. Langmuir, 2012, 28, 7826-7833.	1.6	271
11	Metal decorated graphene nanosheets as immobilization matrix for amperometric glucose biosensor. Sensors and Actuators B: Chemical, 2010, 145, 71-77.	4.0	260
12	Synthesis of graphene-multiwalled carbon nanotubes hybrid nanostructure by strengthened electrostatic interaction and its lithium ion battery application. Journal of Materials Chemistry, 2012, 22, 9949.	6.7	256
13	Novel Platinumâ€“Cobalt Alloy Nanoparticles Dispersed on Nitrogenâ€Doped Graphene as a Cathode Electrocatalyst for PEMFC Applications. Advanced Functional Materials, 2012, 22, 3519-3526.	7.8	234
14	Investigation of thermal and electrical conductivity of graphene based nanofluids. Journal of Applied Physics, 2010, 108, .	1.1	214
15	Performance of polymer electrolyte membrane fuel cells with carbon nanotubes as oxygen reduction catalyst support material. Journal of Power Sources, 2005, 140, 250-257.	4.0	206
16	SiO2 coated Fe3O4 magnetic nanoparticle dispersed multiwalled carbon nanotubes based amperometric glucose biosensor. Talanta, 2010, 80, 2016-2022.	2.9	201
17	Investigation of Spillover Mechanism in Palladium Decorated Hydrogen Exfoliated Functionalized Graphene. Journal of Physical Chemistry C, 2011, 115, 15679-15685.	1.5	200
18	Polyanilineâ€“MnO2 nanotube hybrid nanocomposite as supercapacitor electrode material in acidic electrolyte. Journal of Materials Chemistry, 2011, 21, 17601.	6.7	200

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19	Study of removal of azo dye by functionalized multi walled carbon nanotubes. Chemical Engineering Journal, 2010, 162, 1026-1034.	6.6	198
20	Investigation of Structural Stability, Dispersion, Viscosity, and Conductive Heat Transfer Properties of Functionalized Carbon Nanotube Based Nanofluids. Journal of Physical Chemistry C, 2011, 115, 16737-16744.	1.5	196
21	Synthesis and nanofluid application of silver nanoparticles decorated graphene. Journal of Materials Chemistry, 2011, 21, 9702.	6.7	193
22	Nanostructured Pt Functionlized Multiwalled Carbon Nanotube Based Hydrogen Sensor. Journal of Physical Chemistry B, 2006, 110, 11291-11298.	1.2	183
23	Development of carbon nanotubes and nanofluids based microbial fuel cell. International Journal of Hydrogen Energy, 2008, 33, 6749-6754.	3.8	181
24	Synthesis and Transport Properties of Metal Oxide Decorated Graphene Dispersed Nanofluids. Journal of Physical Chemistry C, 2011, 115, 8527-8533.	1.5	177
25	Functionalized graphene reinforced thermoplastic nanocomposites as strain sensors in structural health monitoring. Journal of Materials Chemistry, 2011, 21, 12626.	6.7	172
26	Top down method for synthesis of highly conducting graphene by exfoliation of graphite oxide using focused solar radiation. Journal of Materials Chemistry, 2011, 21, 6800.	6.7	158
27	Nanostructured polyaniline decorated graphene sheets for reversible CO2 capture. Journal of Materials Chemistry, 2012, 22, 3708.	6.7	152
28	Cobalt-polypyrrole-multiwalled carbon nanotube catalysts for hydrogen and alcohol fuel cells. Carbon, 2008, 46, 2-11.	5.4	150
29	A thionine functionalized multiwalled carbon nanotube modified electrode for the determination of hydrogen peroxide. Carbon, 2007, 45, 1340-1353.	5.4	148
30	Magnetite Decorated Multiwalled Carbon Nanotube Based Supercapacitor for Arsenic Removal and Desalination of Seawater. Journal of Physical Chemistry C, 2010, 114, 2583-2590.	1.5	146
31	Platinumâ€“TM (TM = Fe, Co) alloy nanoparticles dispersed nitrogen doped (reduced graphene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 PEMFC applications. Nanoscale, 2013, 5, 5109.	2.8	145
32	Green synthesis of boron doped graphene and its application as high performance anode material in Li ion battery. Materials Research Bulletin, 2015, 61, 383-390.	2.7	144
33	Enhanced convective heat transfer using graphene dispersed nanofluids. Nanoscale Research Letters, 2011, 6, 289.	3.1	138
34	Carbon dioxide adsorption in graphene sheets. AIP Advances, 2011, 1, .	0.6	136
35	Ptâ€“Ru/multi-walled carbon nanotubes as electrocatalysts for direct methanol fuel cell. International Journal of Hydrogen Energy, 2008, 33, 427-433.	3.8	135
36	Grapheneâ€“multiwalled carbon nanotube-based nanofluids for improved heat dissipation. RSC Advances, 2013, 3, 4199.	1.7	131

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37	Thermal conductivity studies of metal dispersed multiwalled carbon nanotubes in water and ethylene glycol based nanofluids. Journal of Applied Physics, 2009, 106, .	1.1	128
38	Poly(p-phenylenediamine)/graphene nanocomposites for supercapacitor applications. Journal of Materials Chemistry, 2012, 22, 18775-18783.	6.7	128
39	Nano magnetite decorated multiwalled carbon nanotubes: a robust nanomaterial for enhanced carbon dioxide adsorption. Energy and Environmental Science, 2011, 4, 889-895.	15.6	126
40	One-pot synthesis of conducting grapheneâ€“polymer composites and their strain sensing application. Nanoscale, 2012, 4, 1258.	2.8	121
41	Graphene based all-solid-state supercapacitors with ionic liquid incorporated polyacrylonitrile electrolyte. Energy, 2013, 51, 374-381.	4.5	121
42	Facile synthesis of SnO2 nanoparticles dispersed nitrogen doped graphene anode material for ultrahigh capacity lithium ion battery applications. Journal of Materials Chemistry A, 2013, 1, 3865.	5.2	120
43	Enhanced optical limiting in functionalized hydrogen exfoliated graphene and its metal hybrids. Journal of Materials Chemistry C, 2013, 1, 2773.	2.7	109
44	Wrinkled Graphenes: A Study on the Effects of Synthesis Parameters on Exfoliation-Reduction of Graphite Oxide. Journal of Physical Chemistry C, 2011, 115, 17660-17669.	1.5	107
45	Facile synthesis of triangular shaped palladium nanoparticles decorated nitrogen doped graphene and their catalytic study for renewable energy applications. International Journal of Hydrogen Energy, 2013, 38, 2240-2250.	3.8	107
46	Asymmetric Flexible Supercapacitor Stack. Nanoscale Research Letters, 2008, 3, 145-151.	3.1	103
47	Nanostructured Pt Dispersed on Graphene-Multiwalled Carbon Nanotube Hybrid Nanomaterials as Electrocatalyst for PEMFC. Journal of the Electrochemical Society, 2010, 157, B874.	1.3	103
48	A Glucose Biosensor Based on Deposition of Glucose Oxidase onto Crystalline Gold Nanoparticle Modified Carbon Nanotube Electrode. Journal of Physical Chemistry B, 2009, 113, 3190-3194.	1.2	102
49	Inorganic nanotubes reinforced polyvinylidene fluoride composites as low-cost electromagnetic interference shielding materials. Nanoscale Research Letters, 2011, 6, 137.	3.1	102
50	Development of Au nanoparticles dispersed carbon nanotube-based biosensor for the detection of paraoxon. Nanoscale, 2010, 2, 806.	2.8	101
51	Graphene-multi walled carbon nanotube hybrid electrocatalyst support material for direct methanol fuel cell. International Journal of Hydrogen Energy, 2011, 36, 7284-7290.	3.8	101
52	Synthesis and Thermal Conductivity of Copper Nanoparticle Decorated Multiwalled Carbon Nanotubes Based Nanofluids. Journal of Physical Chemistry C, 2008, 112, 9315-9319.	1.5	95
53	Pt/SWNTâ^'Pt/C Nanocomposite Electrocatalysts for Proton-Exchange Membrane Fuel Cells. Journal of Physical Chemistry C, 2007, 111, 16138-16146.	1.5	93
54	Catalytic activity of platinumâ€“cobalt alloy nanoparticles decorated functionalized multiwalled carbon nanotubes for oxygen reduction reaction in PEMFC. International Journal of Hydrogen Energy, 2012, 37, 412-421.	3.8	93

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55	Palladium dispersed multiwalled carbon nanotube based hydrogen sensor for fuel cell applications. International Journal of Hydrogen Energy, 2007, 32, 2518-2526.	3.8	91
56	Synthesis of carbon nanotubes by pyrolysis of acetylene using alloy hydride materials as catalysts and their hydrogen adsorption studies. Chemical Physics Letters, 2003, 374, 513-520.	1.2	89
57	High-performance Platinum-free oxygen reduction reaction and hydrogen oxidation reaction catalyst in polymer electrolyte membrane fuel cell. Scientific Reports, 2018, 8, 3591.	1.6	89
58	Hydrogen storage performance of palladium nanoparticles decorated graphitic carbon nitride. International Journal of Hydrogen Energy, 2015, 40, 3259-3267.	3.8	87
59	Carbon nanotube bottles for incorporation, release and enhanced cytotoxic effect of cisplatin. Carbon, 2012, 50, 1625-1634.	5.4	86
60	Thermally exfoliated graphene based counter electrode for low cost dye sensitized solar cells. Journal of Applied Physics, 2011, 109, .	1.1	84
61	Platinum/multiwalled carbon nanotubes-platinum/carbon composites as electrocatalysts for oxygen reduction reaction in proton exchange membrane fuel cell. Applied Physics Letters, 2006, 88, 253105.	1.5	83
62	Carbon Nanotubes-Graphene-Solidlike Ionic Liquid Layer-Based Hybrid Electrode Material for High Performance Supercapacitor. Journal of Physical Chemistry C, 2012, 116, 14179-14187.	1.5	83
63	Optical nonlinearity of silver-decorated graphene. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 669.	0.9	80
64	Experimental investigation of the thermal transport properties of a carbon nanohybrid dispersed nanofluid. Nanoscale, 2011, 3, 2208.	2.8	79
65	Nitrogen doped hybrid carbon based composite dispersed nanofluids as working fluid for low-temperature direct absorption solar collectors. Solar Energy Materials and Solar Cells, 2015, 140, 9-16.	3.0	76
66	Fabrication of Organophosphorus Biosensor Using ZnO Nanoparticle-Decorated Carbon Nanotubeâ€“Graphene Hybrid Composite Prepared by a Novel Green Technique. Journal of Physical Chemistry C, 2013, 117, 13202-13209.	1.5	75
67	One-pot environment-friendly synthesis of boron doped graphene-SnO2 for anodic performance in Li ion battery. Carbon, 2018, 127, 627-635.	5.4	75
68	Recent advances in hydrogen storage using catalytically and chemically modified graphene nanocomposites. Journal of Materials Chemistry A, 2017, 5, 22897-22912.	5.2	73
69	High Entropy Oxidesâ€”A Cost-Effective Catalyst for the Growth of High Yield Carbon Nanotubes and Their Energy Applications. ACS Applied Materials & Interfaces, 2019, 11, 30846-30857.	4.0	72
70	Synthesis and investigation of mechanism of platinumâ€“graphene electrocatalysts by novel co-reduction techniques for proton exchange membrane fuel cell applications. Journal of Materials Chemistry, 2012, 22, 25325.	6.7	71
71	Solar light assisted green synthesis of palladium nanoparticle decorated nitrogen doped graphene for hydrogen storage application. Journal of Materials Chemistry A, 2013, 1, 11192.	5.2	70
72	Exfoliated single-walled carbon nanotube-based hydrogen sensor. Sensors and Actuators B: Chemical, 2008, 130, 653-660.	4.0	69

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73	Modified graphene based molecular imprinted polymer for electrochemical non-enzymatic cholesterol biosensor. European Polymer Journal, 2017, 86, 106-116.	2.6	67
74	Nitrogen doped graphene prepared by hydrothermal and thermal solid state methods as catalyst supports for fuel cell. International Journal of Hydrogen Energy, 2015, 40, 4337-4348.	3.8	64
75	Hydrogen storage properties of nanocrystalline Pt dispersed multi-walled carbon nanotubes. International Journal of Hydrogen Energy, 2007, 32, 3998-4004.	3.8	63
76	Ionic liquid-functionalized partially exfoliated multiwalled carbon nanotubes for high-performance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 14054.	5.2	59
77	Alloy hydride catalyst route for the synthesis of single-walled carbon nanotubes, multi-walled carbon nanotubes and magnetic metal-filled multi-walled carbon nanotubes. Nanotechnology, 2006, 17, 5299-5305.	1.3	57
78	Graphene wrapped multiwalled carbon nanotubes dispersed nanofluids for heat transfer applications. Journal of Applied Physics, 2012, 112, .	1.1	57
79	Thermo-optical properties of partially unzipped multiwalled carbon nanotubes dispersed nanofluids for direct absorption solar thermal energy systems. Solar Energy Materials and Solar Cells, 2016, 157, 117-125.	3.0	57
80	Enhanced Sodium Ion Storage in Interlayer Expanded Multiwall Carbon Nanotubes. Nano Letters, 2018, 18, 5688-5696.	4.5	57
81	In vivo biodistribution of platinum-based drugs encapsulated into multi-walled carbon nanotubes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1465-1475.	1.7	56
82	A cholesterol biosensor based on gold nanoparticles decorated functionalized graphene nanoplatelets. Thin Solid Films, 2011, 519, 5667-5672.	0.8	55
83	Platinum on boron doped graphene as cathode electrocatalyst for proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2015, 40, 10251-10261.	3.8	54
84	Biomass derived phosphorous containing porous carbon material for hydrogen storage and high-performance supercapacitor applications. Journal of Energy Storage, 2021, 35, 102185.	3.9	54
85	Catalytic growth of carbon nanotubes over Ni/Cr hydrotalcite-type anionic clay and their hydrogen storage properties. Applied Surface Science, 2005, 242, 192-198.	3.1	52
86	Synthesis and hydrogen storage properties of carbon nanotubes. International Journal of Hydrogen Energy, 2008, 33, 381-386.	3.8	52
87	Facile synthesis of one dimensional graphene wrapped carbon nanotube composites by chemical vapour deposition. Journal of Materials Chemistry, 2011, 21, 15179.	6.7	52
88	Investigation of room temperature hydrogen storage in biomass derived activated carbon. Journal of Alloys and Compounds, 2019, 789, 800-804.	2.8	52
89	Solar exfoliated grapheneâ€“carbon nanotube hybrid nano composites as efficient catalyst supports for proton exchange membrane fuel cells. Journal of Materials Chemistry, 2011, 21, 18199.	6.7	51
90	Hybrid carbon nanostructured ensembles as chemiresistive hydrogen gas sensors. Carbon, 2011, 49, 227-236.	5.4	51

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91	Green synthesis of nitrogen-doped self-assembled porous carbon-metal oxide composite towards energy and environmental applications. Scientific Reports, 2019, 9, 5187.	1.6	50
92	A non-aqueous electrolyte-based asymmetric supercapacitor with polymer and metal oxide/multiwalled carbon nanotube electrodes. Journal of Nanoparticle Research, 2009, 11, 725-729.	0.8	49
93	Green approach for the large-scale synthesis of metal/metal oxidenanoparticle decorated multiwalled carbon nanotubes. Journal of Materials Chemistry A, 2013, 1, 482-486.	5.2	49
94	Hydrogen storage in platinum decorated hydrogen exfoliated graphene sheets by spillover mechanism. Physical Chemistry Chemical Physics, 2014, 16, 26725-26729.	1.3	49
95	Pt Nanoparticle-Dispersed Graphene-Wrapped MWNT Composites As Oxygen Reduction Reaction Electrocatalyst in Proton Exchange Membrane Fuel Cell. ACS Applied Materials & Interfaces, 2012, 4, 3805-3810.	4.0	48
96	Highly sensitive and selective non enzymatic electrochemical glucose sensors based on Graphene Oxide-Molecular Imprinted Polymer. Materials Science and Engineering C, 2017, 78, 124-129.	3.8	48
97	Green synthesis of transition metal nanocrystals encapsulated into nitrogen-doped carbon nanotubes for efficient carbon dioxide capture. Carbon, 2019, 141, 692-703.	5.4	48
98	Highly efficient and ORR active platinum-scandium alloy-partially exfoliated carbon nanotubes electrocatalyst for Proton Exchange Membrane Fuel Cell. International Journal of Hydrogen Energy, 2019, 44, 10951-10963.	3.8	47
99	Nitrogen-doped multi-walled carbon nanocoils as catalyst support for oxygen reduction reaction in proton exchange membrane fuel cell. Journal of Power Sources, 2010, 195, 8080-8083.	4.0	46
100	Effect of substitutional elements on hydrogen absorption properties in Mm-based AB5 alloys. Journal of Alloys and Compounds, 2004, 363, 275-291.	2.8	45
101	Surfactant free graphene nanosheets based nanofluids by in-situ reduction of alkaline graphite oxide suspensions. Journal of Applied Physics, 2011, 110, .	1.1	45
102	Integration of polymerized ionic liquid with graphene for enhanced CO₂ adsorption. Journal of Materials Chemistry A, 2015, 3, 101-108.	5.2	45
103	Nanostructured palladium modified graphitic carbon nitride â€“ High performance room temperature hydrogen sensor. International Journal of Hydrogen Energy, 2016, 41, 20779-20786.	3.8	45
104	Field emission from carbon nanotubes on a graphitized carbon fabric. Carbon, 2008, 46, 1656-1663.	5.4	44
105	Copper-63 nuclear quadrupole resonance frequencies and molecular geometries of three-co-ordinate complexes of copper(I) halides with N-alkylimidazolidinethione and thiazolidinethione ligands. Journal of the Chemical Society Dalton Transactions, 1995, , 115.	1.1	43
106	Structural, morphological and hydrogen sensing studies on pulsed laser deposited nanostructured palladium thin films. Journal Physics D: Applied Physics, 2006, 39, 2791-2795.	1.3	43
107	N-doped 3D porous carbon-graphene/polyaniline hybrid and N-doped porous carbon coated gC3N4 nanosheets for excellent energy density asymmetric supercapacitors. Electrochimica Acta, 2019, 305, 264-277.	2.6	43
108	Facile synthesis of heteroatom doped and undoped graphene quantum dots as active materials for reversible lithium and sodium ions storage. Applied Surface Science, 2020, 504, 144430.	3.1	43

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109	Polyaniline/multiwalled carbon nanotubes nanocomposite-an excellent reversible CO2 capture candidate. RSC Advances, 2012, 2, 1746.	1.7	42
110	Enhanced CO2 capture in Fe3O4-graphene nanocomposite by physicochemical adsorption. Journal of Applied Physics, 2014, 116, .	1.1	42
111	Stretchable supercapacitors based on highly stretchable ionic liquid incorporated polymer electrolyte. Materials Chemistry and Physics, 2014, 148, 48-56.	2.0	42
112	Auâ€“MnO2/MWNT and Auâ€“ZnO/MWNT as oxygen reduction reaction electrocatalyst for polymer electrolyte membrane fuel cell. International Journal of Hydrogen Energy, 2009, 34, 6371-6376.	3.8	41
113	Nitrogen and sulfur co-doped porous carbon â€“ is an efficient electrocatalyst as platinum or a hoax for oxygen reduction reaction in acidic environment PEM fuel cell?. Energy, 2017, 119, 1075-1083.	4.5	40
114	Facile and simultaneous production of metal/metal oxide dispersed graphene nano composites by solar exfoliation. Journal of Materials Chemistry, 2011, 21, 17094.	6.7	39
115	Synthesis of Carbon coated Nano-Na4Ni3(PO4)2P2O7 as a Novel Cathode Material for Hybrid Supercapacitors. Electrochimica Acta, 2015, 169, 447-455.	2.6	38
116	The effect of non-stoichiometry on the hydrogen storage properties of Ti-substituted AB2alloys. Journal of Physics Condensed Matter, 2003, 15, 7501-7517.	0.7	37
117	Waterproof Flexible Polymer-Functionalized Graphene-Based Piezoresistive Strain Sensor for Structural Health Monitoring and Wearable Devices. ACS Omega, 2020, 5, 12682-12691.	1.6	37
118	Electron field emission properties of conducting polymer coated multi walled carbon nanotubes. Applied Surface Science, 2008, 254, 6770-6774.	3.1	36
119	Carbon nanocoils for multi-functional energy applications. Journal of Materials Chemistry, 2011, 21, 16103.	6.7	36
120	Enhanced optical limiting and carrier dynamics in metal oxide-hydrogen exfoliated graphene hybrids. Journal of Materials Chemistry C, 2014, 2, 10116-10123.	2.7	36
121	An efficient electrode material for high performance solid-state hybrid supercapacitors based on a Cu/CuO/porous carbon nanofiber/TiO₂ hybrid composite. Beilstein Journal of Nanotechnology, 2019, 10, 781-793.	1.5	36
122	Barium Titanate-Based Porous Ceramic Flexible Membrane as a Separator for Room-Temperature Sodium-Ion Battery. ACS Applied Materials & Interfaces, 2019, 11, 3889-3896.	4.0	36
123	Role of Defects in Low-Cost Perovskite Catalysts toward ORR and OER in Lithiumâ€“Oxygen Batteries. ACS Applied Energy Materials, 2020, 3, 1338-1348.	2.5	36
124	Studies of yield and nature of carbon nanostructures synthesized by pyrolysis of ferrocene and hydrogen adsorption studies of carbon nanotubes. International Journal of Hydrogen Energy, 2005, 30, 311-317.	3.8	35
125	Enhanced red emission from YVO4:Eu3+ nano phosphors prepared by simple Co-Precipitation Method. Electronic Materials Letters, 2011, 7, 161-165.	1.0	35
126	Platinum-decorated chemically modified reduced graphene oxideâ€“multiwalled carbon nanotube sandwich composite as cathode catalyst for a proton exchange membrane fuel cell. RSC Advances, 2014, 4, 26140.	1.7	35

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127	Iron encapsulated nitrogen and sulfur co-doped few layer graphene as a non-precious ORR catalyst for PEMFC application. RSC Advances, 2015, 5, 66494-66501.	1.7	34
128	Tri-iodide reduction activity of ultra-small size PtFe nanoparticles supported nitrogen-doped graphene as counter electrode for dye-sensitized solar cell. Journal of Colloid and Interface Science, 2017, 488, 309-316.	5.0	34
129	Enhanced hydrogen storage performance in Pd3Co decorated nitrogen/boron doped graphene composites. International Journal of Hydrogen Energy, 2018, 43, 8018-8025.	3.8	34
130	Multi walled carbon nanotubes based micro direct ethanol fuel cell using printed circuit board technology. International Journal of Hydrogen Energy, 2010, 35, 1339-1346.	3.8	33
131	Platinumâ€“graphene hybrid nanostructure as anode and cathode electrocatalysts in proton exchange membrane fuel cells. Journal of Materials Chemistry A, 2014, 2, 4912-4918.	5.2	33
132	Investigation of catalytic activity towards oxygen reduction reaction of Pt dispersed on boron doped graphene in acid medium. Journal of Colloid and Interface Science, 2016, 479, 260-270.	5.0	33
133	Magnesium oxide modified nitrogen-doped porous carbon composite as an efficient candidate for high pressure carbon dioxide capture and methane storage. Journal of Colloid and Interface Science, 2019, 539, 245-256.	5.0	33
134	Hydriding properties of Ti-substituted non-stoichiometric AB2 alloys. Journal of Alloys and Compounds, 2004, 381, 140-150.	2.8	32
135	Synthesis of multi-walled carbon nanotubes in high yield using Mm based AB2alloy hydride catalysts and the effect of purification on their hydrogen adsorption properties. Nanotechnology, 2005, 16, 518-524.	1.3	32
136	Soft functionalization of graphene for enhanced tri-iodide reduction in dye sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 8377.	6.7	32
137	Superior photocatalytic performance of graphene wrapped anatase/rutile mixed phase TiO 2 nanofibers synthesized by a simple and facile route. Journal of Environmental Chemical Engineering, 2017, 5, 494-503.	3.3	32
138	High-pressure investigation of ionic functionalized graphitic carbon nitride nanostructures for CO2 capture. Journal of CO2 Utilization, 2017, 21, 89-99.	3.3	32
139	An experimental study on thermal conductivity enhancement of DI water-EG based ZnO(CuO)/graphene wrapped carbon nanotubes nanofluids. Thermochimica Acta, 2018, 666, 75-81.	1.2	32
140	Electron field emitters based on multiwalled carbon nanotubes decorated with nanoscale metal clusters. Journal of Nanoparticle Research, 2008, 10, 179-189.	0.8	31
141	Cold field emission from hydrogen exfoliated graphene composites. Applied Physics Letters, 2011, 98, .	1.5	31
142	Palladium-nitrogen coordinated cobalt alloy towards hydrogen oxidation and oxygen reduction reactions with high catalytic activity in renewable energy generations of proton exchange membrane fuel cell. Applied Energy, 2017, 208, 37-48.	5.1	31
143	Strong Surface Bonding of Polysulfides by Teflonized Carbon Matrix for Enhanced Performance in Room Temperature Sodiumâ€Sulfur Battery. Advanced Materials Interfaces, 2019, 6, 1801873.	1.9	31
144	Solubility of Hydrogen in Solid Solution Palladium Alloys. Zeitschrift Fur Physikalische Chemie, 1989, 161, 83-105.	1.4	30

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145	Hydrogen Solubility and Thermodynamics of Hydrogen Absorption in Palladium-rich Binary Pd_{1â^'x}Z_x and Ternary Pd_{1â^'xâ^'y}Z_xZâ€²_y Solid Solution Alloys. Zeitschrift Fur Physikalische Chemie, 1997, 199, 165-212.	1.4	30
146	Optical limiting and nonlinear optical properties of gold-decorated graphene nanocomposites. Optical Materials, 2015, 39, 182-187.	1.7	30
147	Spontaneous and specific myogenic differentiation of human mesenchymal stem cells on polyethylene glycol-linked multi-walled carbon nanotube films for skeletal muscle engineering. Nanoscale, 2015, 7, 18239-18249.	2.8	29
148	Enzyme-less and low-potential sensing of glucose using a glassy carbon electrode modified with palladium nanoparticles deposited on graphene-wrapped carbon nanotubes. Mikrochimica Acta, 2016, 183, 1055-1062.	2.5	29
149	Large-scale single-step synthesis of wrinkled Nâ€“S doped 3D graphene like nanosheets from Tender palm shoots for high energy density supercapacitors. International Journal of Hydrogen Energy, 2021, 46, 403-415.	3.8	29
150	Magnetite decorated graphite nanoplatelets as cost effective CO2 adsorbent. Journal of Materials Chemistry, 2011, 21, 7467.	6.7	28
151	Noble metal dispersed multiwalled carbon nanotubes immobilized ss-DNA for selective detection of dopamine. Sensors and Actuators B: Chemical, 2011, 155, 679-686.	4.0	28
152	Removal of metals from aqueous solution and sea water by functionalized graphite nanoplatelets based electrodes. Journal of Hazardous Materials, 2011, 185, 322-328.	6.5	28
153	Ultrahigh arsenic sorption using iron oxide-graphene nanocomposite supercapacitor assembly. Journal of Applied Physics, 2012, 112, .	1.1	28
154	Enhanced efficiency in dye sensitized solar cells with nanostructured Pt decorated multiwalled carbon nanotube based counter electrode. Electrochimica Acta, 2012, 72, 199-206.	2.6	28
155	Synthesis and characterization of gold graphene composite with dyes as model substrates for decolorization: A surfactant free laser ablation approach. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 365-371.	2.0	28
156	Oxygen reduction reaction activity of platinum nanoparticles decorated nitrogen doped carbon in proton exchange membrane fuel cell under real operating conditions. International Journal of Hydrogen Energy, 2016, 41, 13163-13170.	3.8	28
157	Palladium nanoparticles decorated graphite nanoplatelets for room temperature carbon dioxide adsorption. Chemical Engineering Journal, 2012, 187, 10-15.	6.6	27
158	Grapheneâ€Functionalized Carbon Nanotubes for Conducting Polymer Nanocomposites and Their Improved Strain Sensing Properties. Macromolecular Chemistry and Physics, 2013, 214, 2439-2444.	1.1	27
159	Highly Durable Platinum based Cathode Electrocatalysts for PEMFC Application using Oxygen and Nitrogen Functional Groups Attached Nanocarbon Supports. Fuel Cells, 2015, 15, 278-287.	1.5	27
160	Platinum and platinumâ€“iron alloy nanoparticles dispersed nitrogen-doped graphene as high performance room temperature hydrogen sensor. International Journal of Hydrogen Energy, 2015, 40, 10346-10353.	3.8	27
161	Synergistic Role of Electrolyte and Binder for Enhanced Electrochemical Storage for Sodium-Ion Battery. ACS Omega, 2018, 3, 9945-9955.	1.6	27
162	Synergy between partially exfoliated carbon nanotubes-sulfur cathode and nitrogen rich dual function interlayer for high performance lithium sulfur battery. Carbon, 2019, 147, 364-376.	5.4	27

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163	Carbon materials for Na-S and K-S batteries. Matter, 2022, 5, 808-836.	5.0	27
164	Hydrogen absorption and desorption properties of Ho1-xMmxCo2Ho1-xMmxCo2 alloys. International Journal of Hydrogen Energy, 2007, 32, 2480-2487.	3.8	26
165	Hydrothermal synthesis of single-walled carbon nanotubes/TiO2 for quasi-solid-state composite-type symmetric hybrid supercapacitors. Journal of Energy Storage, 2021, 40, 102794.	3.9	26
166	Copper-63,65 nuclear quadrupole resonance of complexes of copper(I) halides with phosphorus-containing ligands. Journal of the Chemical Society Dalton Transactions, 1993, , 871.	1.1	25
167	Effect of substitutional elements on hydrogen absorption properties in ZrMnFe0.5Ni0.5 and ZrMnFe0.5Co0.5â˜†. International Journal of Hydrogen Energy, 2005, 30, 53-67.	3.8	25
168	Influence of localized surface plasmons on Pauli blocking and optical limiting in graphene under femtosecond pumping. Journal of Applied Physics, 2014, 116, .	1.1	25
169	Enhanced Electron Field Emission of One-Dimensional Highly Protruded Graphene Wrapped Carbon Nanotube Composites. Journal of Physical Chemistry C, 2014, 118, 5172-5179.	1.5	25
170	Polyanilineâ€“magnetite nanocapsules based nanocomposite for carbon dioxide adsorption. International Journal of Greenhouse Gas Control, 2012, 10, 486-493.	2.3	24
171	Gold Decorated Graphene by Laser Ablation for Efficient Electrocatalytic Oxidation of Methanol and Ethanol. Electroanalysis, 2014, 26, 1850-1857.	1.5	24
172	Cerium Oxide Nanoparticles Decorated Graphene Nanosheets for Selective Detection of Dopamine. Journal of Nanoscience and Nanotechnology, 2015, 15, 4855-4862.	0.9	24
173	Palladium Cobalt Alloy Catalyst Nanoparticles Facilitated Enhanced Hydrogen Storage Performance of Graphitic Carbon Nitride. Journal of Physical Chemistry C, 2016, 120, 9612-9618.	1.5	24
174	Electrospun nanoporous TiO 2 nanofibers wrapped with reduced graphene oxide for enhanced and rapid lithium-ion storage. Materials Characterization, 2017, 131, 64-71.	1.9	24
175	Few layer graphene wrapped mixed phase TiO2 nanofiber as a potential electrode material for high performance supercapacitor applications. Applied Surface Science, 2018, 444, 414-422.	3.1	24
176	Enhancing polysulfide confinement and redox kinetics by electrocatalytic interlayer for highly stable lithiumâ€“sulfur batteries. Electrochimica Acta, 2020, 362, 137035.	2.6	24
177	Structural and hydrogen absorption kinetics studies of polymer dispersed and boron added Zr-based AB2AB2 alloy. International Journal of Hydrogen Energy, 2006, 31, 867-876.	3.8	23
178	Dopamine biosensor with metal oxide nanoparticles decorated multi-walled carbon nanotubes. Nanoscience Methods, 2012, 1, 102-114.	1.0	23
179	Synthesis of Au-MWCNTâ€“Graphene hybrid composite for the rapid detection of H₂O₂ and glucose. RSC Advances, 2014, 4, 41670-41677.	1.7	23
180	Development of a nitrogen-doped 2D material for tribological applications in the boundary-lubrication regime. Beilstein Journal of Nanotechnology, 2017, 8, 1476-1483.	1.5	23

#	Article	IF	Citations
181	Performance of Partially Exfoliated Nitrogen-Doped Carbon Nanotubes Wrapped with Hierarchical Porous Carbon in Electrolytes. ChemSusChem, 2018, 11, 1664-1677.	3.6	23
182	A room temperature multivalent rechargeable iron ion battery with an ether based electrolyte: a new type of post-lithium ion battery. Chemical Communications, 2019, 55, 10416-10419.	2.2	23
183	Hydrogen storage properties of ZrMnFe1â^'Ni (x=0.2, 0.4, 0.5 and 0.6) alloys. Journal of Alloys and Compounds, 2002, 337, 148-154.	2.8	22
184	Kinetics of hydrogen absorption in Ho1â^'xMmxCo2 alloys. Journal of Alloys and Compounds, 2008, 448, 159-165.	2.8	22
185	Hydrogen Storage Studies of Palladium Decorated Nitrogen Doped Graphene Nanoplatelets. Journal of Nanoscience and Nanotechnology, 2012, 12, 6608-6614.	0.9	22
186	Synthesis and characterization of surface-enhanced Raman-scattered gold nanoparticles. International Journal of Nanomedicine, 2013, 8, 4327.	3.3	22
187	Enhanced electrochemical performance by unfolding a few wings of graphene nanoribbons of multiwalled carbon nanotubes as an anode material for Li ion battery applications. Nanoscale, 2015, 7, 13379-13386.	2.8	22
188	Investigation of the role of Cu2O beads over the wrinkled graphene as an anode material for lithium ion battery. International Journal of Hydrogen Energy, 2016, 41, 3974-3980.	3.8	22
189	Study of optical nonlinearity of functionalized multi-wall carbon nanotubes by using degenerate four wave mixing and Z-scan techniques. Optics Communications, 2007, 273, 153-158.	1.0	21
190	Synthesis and Characterization of Magnetic Metal-encapsulated Multi-walled Carbon Nanobeads. Nanoscale Research Letters, 2008, 3, .	3.1	21
191	One time nose-only inhalation of MWCNTs: Exploring the mechanism of toxicity by intermittent sacrifice in Wistar rats. Toxicology Reports, 2015, 2, 111-120.	1.6	21
192	pH Responsive Release of Doxorubicin to the Cancer Cells by Functionalized Multi-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2015, 15, 4799-4805.	0.9	21
193	Design of porous calcium phosphate based gel polymer electrolyte for Quasi-solid state sodium ion battery. Journal of Electroanalytical Chemistry, 2020, 859, 113864.	1.9	21
194	TiO2 nanoparticle embedded nitrogen doped electrospun helical carbon nanofiber-carbon nanotube hybrid anode for lithium-ion batteries. International Journal of Hydrogen Energy, 2021, 46, 2464-2478.	3.8	21
195	NQR studies of polyhalocuprate(I) anions. Inorganica Chimica Acta, 1994, 227, 153-157.	1.2	20
196	Design and fabrication of carbon nanotube-based microfuel cell and fuel cell stack coupled with hydrogen storage device. International Journal of Hydrogen Energy, 2007, 32, 4272-4278.	3.8	20
197	Spectral characterization of novel LiZnVO4 phosphor. Optics Communications, 2012, 285, 1194-1198.	1.0	20
198	Studies on graphene enfolded olivine composite electrode material via polyol technique for high rate performance lithium-ion batteries. Electronic Materials Letters, 2015, 11, 841-852.	1.0	20

#	Article	IF	Citations
199	Coreâ€“Shell Cathode Design with Molybdenum Trioxide as the Electrocatalytic Trapping Layer for High-Energy Density Room-Temperature Sodium Sulfur Batteries. Journal of Physical Chemistry C, 2020, 124, 7615-7623.	1.5	20
200	Graphene supported MgNi alloy nanocomposite as a room temperature hydrogen storage material â€“ Experiments and theoretical insights. Acta Materialia, 2021, 215, 117040.	3.8	20
201	An efficient and durable novel catalyst support with superior electron-donating properties and fuel diffusivity for a direct methanol fuel cell. Catalysis Science and Technology, 2017, 7, 5079-5091.	2.1	19
202	Catalytic performance of non-platinum-based hybrid carbon hetero-structure for oxygen reduction and hydrogen oxidation reactions in proton exchange membrane fuel cell. International Journal of Hydrogen Energy, 2018, 43, 18477-18487.	3.8	19
203	Mechanically stable and economically viable polyvinyl alcohol-based membranes with sulfonated carbon nanotubes for proton exchange membrane fuel cells. Sustainable Energy and Fuels, 2020, 4, 1372-1382.	2.5	19
204	Insights into the effect of polymer functionalization of multiwalled carbon nanotubes in the design of flexible strain sensor. Sensors and Actuators A: Physical, 2021, 322, 112605.	2.0	19
205	Platinum decorated on partially exfoliated multiwalled carbon nanotubes as high performance cathode catalyst for PEMFC. International Journal of Hydrogen Energy, 2015, 40, 9435-9443.	3.8	18
206	A polymerized ionic liquid functionalized cathode catalyst support for a proton exchange membrane CO₂ conversion cell. RSC Advances, 2015, 5, 24864-24871.	1.7	18
207	Hydrogen absorption characteristics in the Tb1â^'xZrxFe3 (x=0.1, 0.2, 0.3) system. Journal of Alloys and Compounds, 1999, 285, 143-149.	2.8	17
208	Hydrogen absorptionâ€“desorption characteristics, kinetics of hydrogen absorption and thermodynamics of dissolved hydrogen in Zr0.1Tb0.9Fe1.5Co1.5. Journal of Alloys and Compounds, 2000, 302, 146-154.	2.8	17
209	Hydrogen absorption characteristics in MmxTb1-xCo2MmxTb1-xCo2 (x=0x=0, 0.05, 0.1, 0.15, 0.2). International Journal of Hydrogen Energy, 2007, 32, 1890-1897.	3.8	17
210	Non-Enzymatic Amperometric Glucose Biosensor from Zinc Oxide Nanoparticles Decorated Multi-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2011, 11, 4684-4691.	0.9	17
211	Experimental study on the field emission properties of metal oxide nanoparticleâ€“decorated graphene. Journal of Applied Physics, 2012, 111, 034311.	1.1	17
212	An optically transparent cathode for dye sensitized solar cells based on cationically functionalized and metal decorated graphene. Nano Energy, 2012, 1, 757-763.	8.2	17
213	Directed Self Assembly Of Copper-Based Hierarchical Nanostructures on Nitrogen-Doped Graphene and Their Field Emission Studies. Journal of Physical Chemistry C, 2015, 119, 2917-2924.	1.5	17
214	Effect of wrinkles on electrochemical performance of multiwalled carbon nanotubes as anode material for Li ion battery. Electrochimica Acta, 2015, 186, 142-150.	2.6	17
215	Room temperature hydrogen gas sensing properties of mono dispersed platinum nanoparticles on graphene-like carbon-wrapped carbon nanotubes. International Journal of Hydrogen Energy, 2018, 43, 16421-16429.	3.8	17
216	Green Approach for Synthesizing Three Different Carbon Microstructures from a Single Biowaste Bombax malabaricum for Fully Biocompatible Flexible Supercapacitors and Their Performance in Various Electrolytes. ACS Omega, 2019, 4, 6399-6410.	1.6	17

#	Article	IF	Citations
217	Diatom frustule-graphene based nanomaterial for room temperature hydrogen storage. International Journal of Hydrogen Energy, 2020, 45, 764-773.	3.8	17
218	Electron field emitters based on multi-walled carbon nanotubes coated with conducting polymer/metal/metal-oxide composites. Journal of Experimental Nanoscience, 2009, 4, 67-76.	1.3	16
219	Multi wall carbon nanotubes assisted synthesis of YVO4:Eu3+ nanocomposites for display device applications. Composites Part B: Engineering, 2012, 43, 1192-1195.	5.9	16
220	Variations in Magnetic Properties of Nanostructured Nickel. Journal of Nanoscience and Nanotechnology, 2013, 13, 8162-8166.	0.9	16
221	Nitrogen-Doped Graphene for Ionic Liquid Based Supercapacitors. Journal of Nanoscience and Nanotechnology, 2015, 15, 1154-1161.	0.9	16
222	Chemical Simultaneous Synthesis Strategy of Two Nitrogen-Rich Carbon Nanomaterials for All-Solid-State Symmetric Supercapacitor. ACS Omega, 2018, 3, 17276-17286.	1.6	16
223	Copper nanoparticles incorporated porous carbon nanofibers as a freestanding binder-free electrode for symmetric supercapacitor with enhanced electrochemical performance. Materials Research Express, 2019, 6, 105005.	0.8	16
224	Synthesis of titanium carbide nanoparticles by wire explosion process and its application in carbon dioxide adsorption. Journal of Alloys and Compounds, 2019, 794, 645-653.	2.8	16
225	63,65Cu and 79 81Br NQR Studies of Thione Complexes of Cu(I) Halides. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1992, 47, 125-128.	0.7	15
226	Oxidation of a tricoordinated CuI complex to a tetracoordinated CuII species. A single- EPR study. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 2155.	1.7	15
227	Hydrogen diffusion studies in Zr-based Laves phase AB2 alloys. Journal of Alloys and Compounds, 2008, 460, 268-271.	2.8	15
228	Effect of metal nanoparticles decoration on electron field emission property of graphene sheets. Nanoscale, 2011, 3, 4170.	2.8	15
229	Restricting charge transfer in dye-graphene system. Chemical Physics Letters, 2012, 521, 130-133.	1.2	15
230	Effect of partial exfoliation in carbon dioxide adsorption-desorption properties of carbon nanotubes. Journal of Applied Physics, 2014, 116, 124314.	1.1	15
231	Task-specific functionalization of graphene for use as a cathode catalyst support for carbon dioxide conversion. Journal of Materials Chemistry A, 2015, 3, 797-804.	5.2	15
232	One-step in situ hydrothermal preparation of grapheneâ€“SnO2 nanohybrid for superior dopamine detection. Journal of Applied Electrochemistry, 2016, 46, 1187-1197.	1.5	15
233	Redox-active polymer hydrogel electrolyte in biowaste-derived microporous carbon-based high capacitance and energy density ultracapacitors. Journal of Electroanalytical Chemistry, 2020, 870, 114236.	1.9	15
234	Thermodynamic and hydrogen-induced structural properties of Ho1â^'xMmxCo2-hydrides. Journal Physics D: Applied Physics, 2007, 40, 1183-1189.	1.3	14

#	Article	IF	Citations
235	Performance of Proton Exchange Membrane Fuel Cells Using Pt/MWNTâ€“Pt/C Composites as Electrocatalysts for Oxygen Reduction Reaction in Proton Exchange Membrane Fuel Cells. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	14
236	Amine-rich ionic liquid grafted graphene for sub-ambient carbon dioxide adsorption. RSC Advances, 2016, 6, 3032-3040.	1.7	14
237	Chemical Vapor Deposition-Grown Nickel-Encapsulated N-Doped Carbon Nanotubes as a Highly Active Oxygen Reduction Reaction Catalyst without Direct Metalâ€“Nitrogen Coordination. ACS Omega, 2018, 3, 13609-13620.	1.6	14
238	Copper-63,65 nuclear quadrupole resonance studies of copper(I) complexes with sulfur-containing ligands. Part 2. Bis(1-alkylimidazolidine-2-thione)copper(I) iodides and related compounds. Journal of the Chemical Society Dalton Transactions, 1993, , 1185.	1.1	13
239	63,65Cu and 79,81Br NQR Studies of Halogenocuprate Complexes of Triphenylphosphine. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1994, 49, 199-201.	0.7	13
240	Effect of Purity and Substrate on Field Emission Properties of Multi-walled Carbon Nanotubes. Nanoscale Research Letters, 2007, 2, 331-336.	3.1	13
241	Electron field emission from magnetic nanomaterial encapsulated multi-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2010, 98, 195-202.	1.1	13
242	The role of functionalised multiwalled carbon nanotubes based supercapacitor for arsenic removal and desalination of sea water. Journal of Experimental Nanoscience, 2012, 7, 85-97.	1.3	13
243	Carbon Dioxide Adsorption of Zinc Oxide Nanoparticles Synthesized by Wire Explosion Technique. INAE Letters, 2018, 3, 197-202.	1.0	13
244	Repelling Polysulfides Using White Graphite Introduced Polymer Membrane as a Shielding Layer in Ambient Temperature Sodium Sulfur Battery. Advanced Materials Interfaces, 2019, 6, 1901497.	1.9	13
245	Polar Bilayer Cathode for Advanced Lithiumâ€“Sulfur Battery: Synergy Between Polysulfide Conversion and Confinement. Journal of Physical Chemistry C, 2019, 123, 10777-10787.	1.5	13
246	Optimizing metal-support interphase for efficient fuel cell oxygen reduction reaction catalyst. Journal of Colloid and Interface Science, 2020, 561, 439-448.	5.0	13
247	Graphdiyneâ€”A Two-Dimensional Cathode for Aluminum Dual-Ion Batteries with High Specific Capacity and Diffusivity. ACS Applied Energy Materials, 2021, 4, 7786-7799.	2.5	13
248	Study of hydrogen absorption by ZrMnFe1-xCox(x= 0.2, 0.4, 0.5 and 0.6) alloys. Journal of Physics Condensed Matter, 2002, 14, 3939-3949.	0.7	12
249	Carbon nanostructure grown using bi-metal oxide as electrocatalyst support for proton exchange membrane fuel cell. International Journal of Hydrogen Energy, 2013, 38, 6460-6468.	3.8	12
250	Graphitic Carbon Nitride Hybrid Supported Metal Nanoparticles as a Novel Low-Cost Counter Electrode for Dye-Sensitized Solar Cell. Journal of Nanoscience and Nanotechnology, 2016, 16, 9583-9590.	0.9	12
251	Solar synthesized tin oxide nanoparticles dispersed on graphene wrapped carbon nanotubes as a Li ion battery anode material with improved stability. RSC Advances, 2017, 7, 13789-13797.	1.7	12
252	Strongly coupled sulfur nanoparticles on graphene-carbon nanotube hybrid electrode for multifunctional sodium and aluminium ion storage. Journal of Alloys and Compounds, 2020, 818, 152864.	2.8	12

#	Article	IF	Citations
253	Comprehensive structural and magnetic properties of iron oxide nanoparticles synthesized through chemical routes. Journal of Alloys and Compounds, 2020, 818, 152931.	2.8	12
254	Crucial Parameters Responsible for Carbon Nanotubes Toxicity. Current Nanoscience, 2010, 6, 141-154.	0.7	12
255	Kinetics of hydrogen absorption and thermodynamics of dissolved hydrogen in Tb1â^'xZrxFe3 system. International Journal of Hydrogen Energy, 2000, 25, 463-472.	3.8	11
256	Single step process for the synthesis of carbon nanotubes and metal/alloy-filled multiwalled carbon nanotubes. Nanoscale Research Letters, 2007, 2, 75-80.	3.1	11
257	Platinum nanoparticles supported on a bi-metal oxide grown carbon nanostructure as an ethanol electro-oxidation electrocatalyst. Journal of Materials Chemistry A, 2013, 1, 13605.	5.2	11
258	Effect of complex formation on nonlinear optical parameters of dye-graphene system. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 299, 54-61.	2.0	11
259	1D-2D integrated hybrid carbon nanostructure supported bimetallic alloy catalyst for ethanol oxidation and oxygen reduction reactions. International Journal of Hydrogen Energy, 2019, 44, 4951-4961.	3.8	11
260	Investigations of hydrogen storage properties in certain Zr-based AB2 alloys. International Journal of Hydrogen Energy, 2002, 27, 419-424.	3.8	10
261	Solubility and diffusion of hydrogen in AB2-type Laves phase alloys. Journal of Alloys and Compounds, 2005, 404-406, 265-268.	2.8	10
262	Effects of ball-milling conditions and additives on the hydrogen sorption properties of Mg + 5 wt% Cr2O3 mixtures. Journal of Materials Research, 2006, 21, 1747-1752.	1.2	10
263	Correlation between hydrogen storage properties and amount of alloy particles in Mg-based composites. Journal of Alloys and Compounds, 2007, 438, 285-292.	2.8	10
264	Sub-ambient carbon dioxide adsorption properties of nitrogen doped graphene. Journal of Applied Physics, 2015, 117, .	1.1	10
265	Application of Few-Layered Reduced Graphene Oxide Nanofluid as a Working Fluid for Direct Absorption Solar Collectors. Journal of Nanoscience and Nanotechnology, 2017, 17, 1233-1239.	0.9	10
266	Nonprecious Catalyst for Three-Phase Contact in a Proton Exchange Membrane CO₂ Conversion Full Cell for Efficient Electrochemical Reduction of Carbon Dioxide. ACS Applied Materials & Interfaces, 2019, 11, 40432-40442.	4.0	10
267	Multifunctional high entropy oxides incorporated functionalized biowaste derived activated carbon for electrochemical energy storage and desalination. Electrochimica Acta, 2022, 405, 139828.	2.6	10
268	A flexible, ceramic-rich solid electrolyte for room-temperature sodiumâ€“sulfur batteries. Chemical Communications, 2022, 58, 8794-8797.	2.2	10
269	Investigations of hydrogen storage in palladium decorated graphene nanoplatelets. Transactions of the Indian Institute of Metals, 2011, 64, 169-173.	0.7	9
270	Electrochemical catalytic activity study of nitrogen-containing hierarchically porous carbon and its application in dye-sensitized solar cells. RSC Advances, 2016, 6, 96109-96120.	1.7	9

#	Article	IF	Citations
271	In situ nitrogen-doped, defect-induced carbon nanotubes as an efficient anode for sodium-ion batteries. Nanotechnology, 2020, 31, 235403.	1.3	9
272	Facile synthesis and electrochemical properties of Î±-Fe2O3 nanoparticles/etched carbon nanotube composites as anode for lithium-ion batteries. Materials Chemistry and Physics, 2021, 267, 124664.	2.0	9
273	Hydrogen absorption characteristics in Zr0.2Ho0.8Fe0.5Co1.5. International Journal of Hydrogen Energy, 2000, 25, 983-986.	3.8	8
274	Semi-empirical model for enthalpy of formation and hydrogen content in Zr-based AB2 alloys. International Journal of Hydrogen Energy, 2007, 32, 620-625.	3.8	8
275	Development of MWNT Based Disposable Biosensor on Glassy Carbon Electrode for the Detection of Organophosphorus Nerve Agents. Journal of Nanoscience and Nanotechnology, 2009, 9, 5676-5680.	0.9	8
276	Correlated conformation and charge transport in multiwall carbon nanotube-conducting polymer nanocomposites. Journal of Physics Condensed Matter, 2011, 23, 265303.	0.7	8
277	Multi-edged wrinkled graphene-like carbon-wrapped carbon nanotubes and highly conductive Pt-free counter electrode for dye-sensitized solar cells. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	8
278	Absorption-enhanced EMI shielding using silver decorated three-dimensional porous architected reduced graphene oxide in polybenzoxazine composites. New Journal of Chemistry, 2021, 45, 16939-16948.	1.4	8
279	PPy coated on SiO2 encapsulated porous carbon nanofibers as a potential anode material for high rate capable and long-life Li-ion battery. Materials Letters, 2021, 298, 130029.	1.3	8
280	Resonance radiation trapping effects in copper and manganese lasers. Journal of Applied Physics, 1987, 61, 859-863.	1.1	7
281	⁶³Cu NQR and Structural Studies of Complexes Formed Between Cu(I) Halides and tris(o-methoxyphenyl)- or tris(p-tolyl)phosphine Ligands. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1998, 53, 625-629.	0.7	7
282	Hydrogen storage properties of Mg-based composites prepared by reaction ball milling. Journal of Physics Condensed Matter, 2006, 18, 11275-11290.	0.7	7
283	Hydrogen solubility and diffusion studies of Zr-based AB2 alloys and solâ€“gel encapsulated AB2 alloy particles. Intermetallics, 2007, 15, 968-975.	1.8	7
284	Electromagnetic interference (EMI) shielding of carbon nanostrcutured films. , 2010, , .		7
285	Gold Nanoparticle Decorated Multi-Walled Carbon Nanotubes as Counter Electrode for Dye Sensitized Solar Cells. Journal of Nanoscience and Nanotechnology, 2012, 12, 8323-8329.	0.9	7
286	Theoretical Insights into the Experimental Observation of Stable p-Type Conductivity and Ferromagnetic Ordering in Vacuum-Hydrogenated TiO₂. Journal of Physical Chemistry C, 2017, 121, 14359-14366.	1.5	7
287	Retracting interphasial stored Li+ ions by transition metal/metal carbide nanoparticles for enhanced Li+ ion storage capacity. Journal of Colloid and Interface Science, 2021, 582, 1213-1222.	5.0	7
288	High temperature annealed (002) oriented WO3 nanoplatelets with uniform Pt decoration as durable carbon free anode electrocatalyst for PEMFC application. International Journal of Hydrogen Energy, 2022, 47, 24978-24990.	3.8	7

#	Article	IF	Citations
289	Experimental and theoretical investigations of the nuclear quadrupole resonance of 127I in orthoperiodic acid, H5IO6. Journal of Molecular Structure, 1983, 111, 295-300.	1.8	6
290	Thermodynamics of Hydrogen Dissolved in Palladium-rich Pdï£¿Erï£¿Ag(Au,Cu) Ternary Solid Solution Alloys. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1993, 97, 607-617.	0.9	6
291	Crystal Structure and NQR of Two Copper (I) Complexes of 4,6-Dimethylpyrimidine-2-thione. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1994, 49, 193-198.	0.7	6
292	Hydrogen solubility studies in Zr0.2Tb0.8Fe1.5Co1.5. International Journal of Hydrogen Energy, 2000, 25, 861-869.	3.8	6
293	Dynamics and charge transfer of hydrogen interstitials in ZrCrFe0.5Co0.5. Acta Materialia, 2006, 54, 3747-3754.	3.8	6
294	Influence of hydrogen absorption on structural and electrical transport properties of Ho1â^'xMmxCo2 alloys. Journal of Applied Physics, 2007, 102, 063706.	1.1	6
295	Influence of hydrogen absorptionâ€“desorption on structural properties of Dy1â^'xMmxCo2alloys. Journal of Physics Condensed Matter, 2008, 20, 255224.	0.7	6
296	Carbon Nanotube-Polymer Based Nanocomposite as Electrode Material for the Detection of Paraoxon. Journal of Nanoscience and Nanotechnology, 2010, 10, 2798-2802.	0.9	6
297	Non-Enzymatic Glucose and Cholesterol Biosensors Based on Silica Coated Nano Iron Oxide Dispersed Multiwalled Carbon Nanotubes. , 2011, , .		6
298	Iron-manganese binary oxide coated functionalized multiwalled carbon nanotubes for arsenic removal. AIP Conference Proceedings, 2012, , .	0.3	6
299	Graphite Nanoplatelets/Multiwalled Carbon Nanotubes Hybrid Nanostructure for Electrochemical Capacitor. Journal of Nanoscience and Nanotechnology, 2012, 12, 6658-6664.	0.9	6
300	Ionic liquid functionalization â€“ an effective way to tune carbon dioxide adsorption properties of carbon nanotubes. RSC Advances, 2015, 5, 35098-35106.	1.7	6
301	Control over the charge transfer in dye-nanoparticle decorated graphene. Chemical Physics Letters, 2016, 644, 176-182.	1.2	6
302	Binary reaction ingrained high current density and long cycle life novel anode material for lithium ion battery. Journal of Materials Chemistry A, 2017, 5, 2784-2791.	5.2	6
303	Platinum Nanoparticle Decorated Expired Drug-Derived N-Doped Ketjenblack Carbon as Efficient Catalyst for PEM Fuel Cells. Journal of the Electrochemical Society, 2021, 168, 064517.	1.3	6
304	Electrospun porous carbon nanofibers/TiO2 composite coated over carbon cloth- A flexible electrode for capacitive deionization. Ceramics International, 2022, 48, 20351-20361.	2.3	6
305	Tribological study of iron infused carbon tubes additive in gearbox, engine, and vegetable-based lubricants. Tribology International, 2022, 171, 107538.	3.0	6
306	Electrochemical investigations of ZrCrmFenCopVo (m+n+o+p=2) electrode for Niâ€“MH battery applications. International Journal of Hydrogen Energy, 2001, 26, 1097-1102.	3.8	5

#	Article	IF	Citations
307	Interstitial hydrogen diffusion in MmxTb1â^'xCo2â€“H (x=0, 0.1 and 0.2). Journal of Alloys and Compounds, 2008, 453, 121-126.	2.8	5
308	Hybrid carbon nanostructure assemblage for high performance pseudo-capacitors. AIP Advances, 2012, 2, 022121.	0.6	5
309	Cerium Oxide Dispersed Multi Walled Carbon Nanotubes as Cathode Material for Flexible Field Emitters. Journal of Nanoscience and Nanotechnology, 2012, 12, 6718-6723.	0.9	5
310	1D-2D carbon heterostructure with low Pt loading as a superior cathode electrode for dye-sensitized solar cell. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	5
311	Designed self-assembly of iron encapsulated doped porous carbon as durable electrocatalyst for oxygen reduction reaction in alkaline medium. Carbon, 2019, 152, 616-630.	5.4	5
312	Diatom-frustule catalyst supported multiwalled carbon nanotubes: Scalable and cost-effective synthesis and stable anode for lithium-ion battery. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 261, 114695.	1.7	5
313	High Areal Capacitance of Flexible Supercapacitors Fabricated with Carbon Cloth-Carbon Fiber-TiO₂ Electrodes and Different Hydrogel Polymer Electrolytes. Journal of the Electrochemical Society, 2022, 169, 020514.	1.3	5
314	Effect of Coordinated Solvent Molecules in Cu-MOF on Enzyme Free Sensing of Glucose and Lactate in Physiological pH. Journal of the Electrochemical Society, 2022, 169, 057524.	1.3	5
315	A novel, highly sensitive electrochemical 1,4-dioxane sensor based on reduced graphene oxideâ€“curcumin nanocomposite. RSC Advances, 2022, 12, 19375-19383.	1.7	5
316	Temperature dependence of79BrNQR frequency in cadmium strontium, barium, zinc, magnesium and nickel bromates. Pramana - Journal of Physics, 1984, 23, 141-148.	0.9	4
317	Nuclear quadrupole resonance studies (63,65Cu and 79,81Br) of binuclear copper(I) polyhalide anions. Journal of the Chemical Society Dalton Transactions, 1991, , 2615.	1.1	4
318	Structural and hydrogen solubility studies on ZrMnFe1â^'xCox (x=0.2, 0.3 and 0.5) alloys. International Journal of Hydrogen Energy, 2000, 25, 879-885.	3.8	4
319	Four-co-ordinated copper(II) species obtained by X-ray irradiation of a three-co-ordinated copper(I) complex: a single crystal EPR study. Dalton Transactions RSC, 2000, , 3513-3518.	2.3	4
320	Hydrogen storage studies in Zr0.9Ho0.1MnFe0.5Co0.5 and Zr0.9Ho0.1MnFe0.5Ni0.5. International Journal of Hydrogen Energy, 2002, 27, 413-418.	3.8	4
321	Investigation of MmFe2 electrode for nickelâ€“metal hydride battery applications. Journal of Power Sources, 2003, 114, 352-356.	4.0	4
322	High Power Density from Pt Thin Film Electrodes Based Microbial Fuel Cell. Journal of Nanoscience and Nanotechnology, 2008, 8, 4132-4134.	0.9	4
323	Optical switching properties of RCo2-type alloy hydride based solid state device. Journal of Applied Physics, 2008, 104, 064504.	1.1	4
324	Graphene/Ionic Liquid Binary Electrode Material for High Performance Supercapacitor. , 2011, , .		4

#	Article	IF	Citations
325	Analysis of crosslinked polyvinyl alcohol membranes with silica fillers in polymer electrolyte membrane fuel cells. Materials Research Express, 2019, 6, 105526.	0.8	4
326	Synergy between Interconnected Porous Carbon-Sulfur Cathode and Metallic MgB₂ Interlayer as a Lithium Polysulfide Immobilizer for High-Performance Lithium-Sulfur Batteries. ACS Omega, 2020, 5, 22379-22388.	1.6	4
327	Biomass derived hierarchically porous carbon inherent structure as an effective metal free cathode for Liâ€Œ₂/air battery. Electrochemical Science Advances, 2021, 1, e202000037.	1.2	4
328	Functionalized 2D Graphene Sheets as Catalyst Support for Proton Exchange Membrane Fuel Cell Electrodes. Advanced Science Letters, 2012, 6, 141-146.	0.2	4
329	Solubility of hydrogen in Ti3In. Journal of the Less Common Metals, 1990, 157, 85-95.	0.9	3
330	Diffusion of hydrogen interstitials in Zr based AB2and mischmetal based AB5alloys. Journal of Physics Condensed Matter, 2005, 17, 5201-5206.	0.7	3
331	Studies of hydrogen dynamics and structural aspects of polymer dispersed and boron added MmNi3.5Al0.5Fe0.5Co0.5. Journal of Physics Condensed Matter, 2005, 17, 7531-7546.	0.7	3
332	Hydrogen-induced changes in the properties of Zr-based AB2alloy studied by x-ray, electrical resistivity and differential scanning calorimetry. Journal of Physics Condensed Matter, 2006, 18, 2943-2954.	0.7	3
333	Diffusion of hydrogen in cubic Laves phase Ho1-xMmxCo2Ho1-xMmxCo2 (x=0x=0, 0.2 and 0.4) alloys. International Journal of Hydrogen Energy, 2007, 32, 2965-2970.	3.8	3
334	Synthesis Of Graphene/Chitosan Nanocomposite Thin Films. AIP Conference Proceedings, 2010, , .	0.3	3
335	Tin Oxide Dispersed Electrostatically Connected Hybrid Composite of 1D-2D Carbon Nanomaterials as Anode for High Performance Li Ion Battery Application. Graphene, 2014, 2, 88-94.	0.2	3
336	Proton-Conducting Polymer Wrapped Cathode Catalyst for Enhancing Triple-Phase Boundaries in Proton Exchange Membrane Fuel Cells. ACS Applied Energy Materials, 2022, 5, 627-638.	2.5	3
337	Evaluation of EFG parameters in XOâ‾3 ions (Xî—»Cl,Br,I) by CNDO/2 and indo methods. Journal of Molecular Structure, 1983, 111, 317-322.	1.8	2
338	Nuclear Quadrupole Resonance Studies on Inorganic Solids. Physica Status Solidi A, 1986, 93, 17-27.	1.7	2
339	Electron paramagnetic resonance study of X-irradiated tri-coordinated copper(I) complexes. Journal of Molecular Structure, 1999, 478, 29-35.	1.8	2
340	Electrical resistivity studies on ZrxTb1-xFe3(x= 0.2, 0.3) hydrides. Journal of Physics Condensed Matter, 2001, 13, 4155-4164.	0.7	2
341	Electrochromism in Mischmetal-Based AB2Alloy Hydride Thin Film. Journal of Physical Chemistry C, 2007, 111, 8532-8537.	1.5	2
342	Hydriding and electrical resistivity properties of MmTM3-hydrogen (TM=FeTM=Fe, Co and Ni) system. International Journal of Hydrogen Energy, 2007, 32, 3356-3362.	3.8	2

#	Article	IF	Citations
343	Temperature and concentration dependent electrical resistivity of Ho1â^'xTixCo2â€“hydrogen system. Solid State Sciences, 2007, 9, 973-979.	1.5	2
344	Magnetic properties of Ho1â^'xMmxCo2 (x=0, 0.1, 0.2, 0.3 and 0.4) alloys and their hydrides. Journal of Magnetism and Magnetic Materials, 2008, 320, 2237-2240.	1.0	2
345	Structural and hydridingâ€“dehydriding properties of Ho1â^'xTixCo2 alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 472, 293-298.	2.6	2
346	Hydrogen-induced and A-site substitution-dependent structural properties of AB2-type (Ho1â^'xAx)Co2â€“hydrogen system (A=Mm and Ti). Journal of Alloys and Compounds, 2008, 458, 574-578.	2.8	2
347	Magnetic and transport properties of Laves phase Dy1â^'xMmxCo2 (x=0â€“0.5) alloys. Intermetallics, 2009, 17, 150-153.	1.8	2
348	Au/TiO₂ NANOTUBES FOR SELECTIVE DETECTION OF DOPAMINE. International Journal of Nanoscience, 2011, 10, 1185-1189.	0.4	2
349	Platinum-Iron Alloy Nanoparticles Dispersed Multiwalled Carbon Nanotubes As Cathode Electrocatalyst for PEMFC. , 2011, , .		2
350	Magnetic Nanoparticles Decorated Multiwalled Carbon Nanotubes Dispersed Nanofluids. , 2011, , .		2
351	Enhanced Photovoltaic Performance in Polypyrrole Nanoparticles Counter Electrode Due to Incorporation of Multi-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2015, 15, 4941-4947.	0.9	2
352	Investigation of Electrocatalytic Activity of Ptâ€“Y Alloy Nanoparticles Dispersed on Nitrogen Doped Graphene for Proton Exchange Membrane Fuel Cell. Journal of Nanoscience and Nanotechnology, 2016, 16, 9642-9650.	0.9	2
353	Investigation of oxygen reduction and methanol oxidation reaction activity of PtAu nano-alloy on surface modified porous hybrid nanocarbon supports. Materials Research Express, 2016, 3, 095017.	0.8	2
354	Towards Intravenous Drug Delivery: Augmenting the Stability and Dispersity of Bis-Demethoxy Curcumin Analog by Bottom-Up Strategy. Journal of Nanoscience and Nanotechnology, 2016, 16, 1186-1189.	0.9	2
355	Ion percolation through annealed, supported graphene oxide films: Role of nanochannels and voids. Journal of Applied Physics, 2019, 125, 144304.	1.1	2
356	Graphitic Carbon Nitride Causes Widespread Global Molecular Changes in Epithelial and Fibroblast Cells. ACS Omega, 2021, 6, 9368-9380.	1.6	2
357	Entropy Stabilized Oxide Nanocrystals as Reaction Promoters in Lithiumâ€O₂ Batteries. Batteries and Supercaps, 2022, 5, .	2.4	2
358	Powder Zeeman Study of the Nuclear Quadrupole Resonance Lower Transition Spectrum for I = 5/2; Application to Orthoperiodic Acid. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1985, 40, 112-115.	0.7	1
359	Hydrogen storage properties of Mg-based composites prepared by reaction ball milling. Journal of Physics Condensed Matter, 2008, 20, 179801-179801.	0.7	1
360	High pressure CO<inf>2</inf> adsorption in functionalized graphite nanoplatelets. , 2010, , .		1

#	Article	IF	Citations
361	Hydrothermal Synthesis of RuO2Â·xH2O/Graphene Hybrid Nanocomposite for Supercapacitor Application. , 2011, , .		1
362	Hydrogen Exfoliated Graphene As Counter Electrode for Dye Sensitized Solar Cells. , 2011, , .		1
363	Dye Sensitized Solar Cells Based on Mesoporous Titanate and Titania Nanoparticles. , 2011, , .		1
364	Synthesis and Thermal Transport Studies of Nanofluids Based on Metal Decorated Photochemically Oxidized Multiwalled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2012, 12, 6615-6620.	0.9	1
365	Large-area graphene-based thin films using rapid reduction of graphene-oxide. , 2013, , .		1
366	Nanostructured Materials for Energy-Related Applications. , 2013, , 1013-1038.		1
367	Application of multiwalled carbon nanotubes-graphene hybrid nanocomposite for nonenzymatic H[sub 2]O[sub 2] biosensor. , 2013, , .		1
368	Cavity induced fluorescence enhancement of graphitic carbon nitride submicron flakes. Materials Research Express, 2017, 4, 015015.	0.8	1
369	Metal-semiconductor coreâ€“shell nanomaterials for energy applications. , 2017, , 99-132.		1
370	Multilayer graphene as an effective corrosion protection coating for copper. AIP Conference Proceedings, 2018, , .	0.3	1
371	Nitrogen-Containing Tubular Hollow Carbon Frameworks: A Nongraphitic Carbon for a Robust Room Temperature Hydrogen Gas Sensing Application. , 2021, 5, 1-4.		1
372	Validation of First Generation Dry Capacitive Sensing System for the Detection of Curcumin. Sensor Letters, 2016, 14, 710-718.	0.4	1
373	Evaluation of the electric field gradient at the 79Br site due to BrO2 radicals in Zn(BrO3)2 Â·6H2O, Cd(BrO3)2 Â·2H2O and Sr(BrO3)2 Â·H2O. Journal of Molecular Structure, 1985, 131, 357-361.	1.8	0
374	Investigation of EFG Parameters at the Halogen Site in XO₃ and XO₃ ^{2âŠ} Radicals (X = Cl, Br) in Certain Inorganic Solids. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1986, 41, 169-170.	0.7	0
375	Hydrogen solubility and thermodynamics of dissolved hydrogen in Pd_{1â€x}Tb_x (x) Tj ETQq1 1 0.784314 rgBT / 1896-1900.	0.9	0
376	Solubility of hydrogen in Pd-Dy-Ni ternary alloys. Journal of Physics Condensed Matter, 2001, 13, 11589-11596.	0.7	0
377	Thermodynamic and kinetic properties of Ho1â^'xTixCo2-hydrogen system. Journal of Physics and Chemistry of Solids, 2008, 69, 1869-1876.	1.9	0
378	Optical switching properties of RCo2-type alloy thin films by electrochemical hydrogenation. International Journal of Hydrogen Energy, 2008, 33, 5636-5640.	3.8	0

#	Article	IF	Citations
379	Magnetic behaviour in Dy1 â^'xMmxCo2compounds. Journal of Physics Condensed Matter, 2010, 22, 436001.	0.7	0
380	Magnetic behaviour of hydrogenated Ho1â^'xMmxCo2 (x=0â€“0.4) alloys. Journal of Alloys and Compounds, 2010, 497, 28-31.	2.8	0
381	Effect of Heat Treatment on Morphology and Optical properties of Zinc Oxide Nanoparticle Decorated Multiâ€walled Carbon Nanotubes. , 2011, , .		0
382	Preparation and Characterization of beta-Carotene Encapsulated Chitosan, Oleic Acid Coated Fe3O4 Nanoparticles. , 2011, , .		0
383	The High Pressure Hydrogen Storage Study of Functionalized Graphite Nanoplatelets. , 2011, , .		0
384	MnO[sub 2] nanotube-Pt/graphene mixture as an ORR catalyst for proton exchange membrane fuel cell. , 2013, , .		0
385	Synthesis of Carbon Nanohelices Using Sn Based Bi-Metal Oxide Catalysts. Journal of Nanoscience and Nanotechnology, 2015, 15, 1287-1296.	0.9	0
386	Probing permeation of energetic hydrogen atoms through molybdenum disulphide on graphene platform. Materials Research Express, 2019, 6, 095614.	0.8	0
387	A modified bulge test for in-situ study of ionic permeation properties of membranes under continuously tunable, uniform pressure. Review of Scientific Instruments, 2019, 90, 073906.	0.6	0
388	In situ reduction of graphitic oxide by amorphization of magnesium diboride for the superior thermo-optical property based nanofluid applications. Materials Today Chemistry, 2020, 18, 100354.	1.7	0