R Suresh

List of Publications by Year in descending order

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30	857	430874	580821
papers	citations	18 h-index	25 g-index

31	31	31	1325
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication of Niâ€“Fe2O3 magnetic nanorods and application to the detection of uric acid. RSC Advances, 2014, 4, 17146.	3.6	103
2	Doping of Co into V2O5 nanoparticles enhances photodegradation of methylene blue. Journal of Alloys and Compounds, 2014, 598, 151-160.	5.5	95
3	New electrochemical sensor based on Ni-doped V2O5 nanoplates modified glassy carbon electrode for selective determination of dopamine at nanomolar level. Sensors and Actuators B: Chemical, 2014, 202, 440-447.	7.8	69
4	Facile synthesis of cobalt doped hematite nanospheres: Magnetic and their electrochemical sensing properties. Materials Chemistry and Physics, 2012, 134, 590-596.	4.0	62
5	Simultaneous determination of paracetamol and 4-aminophenol based on poly(chromium Schiff base) Tj ETQq1 1 0.784314 rgBT /Over	5.2	49
6	AgVO3 nanorods: Synthesis, characterization and visible light photocatalytic activity. Solid State Sciences, 2015, 39, 34-39.	3.2	48
7	Synthesis of Co 2+ -doped Fe 2 O 3 photocatalyst for degradation of pararosaniline dye. Solid State Sciences, 2017, 68, 39-46.	3.2	44
8	Bifunctional hexagonal Ni/NiO nanostructures: influence of the coreâ€“shell phase on magnetism, electrochemical sensing of serotonin, and catalytic reduction of 4-nitrophenol. Nanoscale Advances, 2019, 1, 1531-1540.	4.6	39
9	Copper vanadate nanoparticles: synthesis, characterization and its electrochemical sensing property. Journal of Materials Science: Materials in Electronics, 2014, 25, 1485-1491.	2.2	34
10	Manganese sesquioxide to trimanganese tetroxide hierarchical hollow nanostructures: effect of gadolinium on structural, thermal, optical and magnetic properties. CrystEngComm, 2015, 17, 2886-2895.	2.6	33
11	Synthesis and characterization of chromium(III) Schiff base complexes: Antimicrobial activity and its electrocatalytic sensing ability of catechol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 139, 431-441.	3.9	32
12	Effect of reduced graphene oxide on the structural, optical, adsorption and photocatalytic properties of iron oxide nanoparticles. New Journal of Chemistry, 2018, 42, 8485-8493.	2.8	32
13	Fabrication of Ag@Co-Al Layered Double Hydroxides Reinforced poly(o-phenylenediamine) Nanohybrid for Efficient Electrochemical Detection of 4-Nitrophenol, 2,4-Dinitrophenol and Uric acid at Nano Molar Level. Scientific Reports, 2019, 9, 13250.	3.3	28
14	Fabrication of Î±-Fe₂O₃ Nanoparticles for the Electrochemical Detection of Uric Acid. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2012, 42, 303-307.	0.6	22
15	Synthesis, growth and photoluminescence behaviour of Gd₂O₂SO₄:Eu³⁺ nanophosphors: the effect of temperature on the structural, morphological and optical properties. RSC Advances, 2015, 5, 7515-7521.	3.6	22
16	Fabrication of iron oxide nanoparticles: magnetic and electrochemical sensing property. Journal of Materials Science: Materials in Electronics, 2013, 24, 1256-1263.	2.2	21
17	Structural, optical and magnetic properties of gadolinium sesquioxide nanobars synthesized via thermal decomposition of gadolinium oxalate. Materials Research Bulletin, 2013, 48, 4210-4215.	5.2	20
18	Cadmium oxide nanoplatelets: synthesis, characterization and their electrochemical sensing property of catechol. Journal of the Iranian Chemical Society, 2013, 10, 771-776.	2.2	18

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19	Î±-Fe2O3 nanoflowers: synthesis, characterization, electrochemical sensing and photocatalytic property. Journal of the Iranian Chemical Society, 2014, 11, 645-652.	2.2	18
20	Solventless synthesis of m-LaVO4 photocatalyst for the degradation of methylene blue and textile effluent. Journal of Materials Science: Materials in Electronics, 2017, 28, 4014-4019.	2.2	13
21	Solid-state synthesis and characterization of Î±-Fe2O3@ZnO nanocomposites with enhanced visible light driven photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2018, 29, 20347-20355.	2.2	13
22	Electrochemical, catalytic and antimicrobial activity of N-functionalized tetraazamacrocyclic binuclear nickel(II) complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 601-606.	3.9	9
23	Synthesis, characterization, optical and sensing property of manganese oxide nanoparticles. , 2014, , .		7
24	Synthesis of Cadmium Oxide and its Electrochemical Detection of Pollutants. Advanced Materials Research, 0, 678, 369-372.	0.3	6
25	Electrochemical sensing behaviour of Ni doped Fe3O4 nanoparticles. , 2014, , .		5
26	Spectral, Electrochemical, Fluorescence, Kinetic and Anti-microbial Studies of Acyclic Schiff-base Gadolinium(III) Complexes. Bulletin of the Korean Chemical Society, 2012, 33, 3581-3588.	1.9	5
27	Hydrothermal Synthesis and Characterization of Cobalt Doped Î±-Fe[sub 2]O[sub 3]. , 2010, , .		4
28	Synthesis of Ni0.2Fe1.8O3/polyaniline magnetic nanocomposite with excellent photocatalytic activity. Materials Letters, 2017, 208, 27-30.	2.6	4
29	Manganese-doped hematite nanoplates with enhanced and non-enzymatic electrochemical sensing performance. Inorganic and Nano-Metal Chemistry, 2017, 47, 450-455.	1.6	2
30	Fe₂O₃ and V₂O₅ Nanoparticles: A New Voltammetric Sensor. Advanced Materials Research, 2013, 678, 331-334.	0.3	0