Manoj Devaraj

List of Publications by Year in descending order

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33 papers	1,504 citations	331642 21 h-index	414395 32 g-index
33 all docs	33 docs citations	33 times ranked	2438 citing authors

#	Article	IF	Citations
1	The role of MOF based nanocomposites in the detection of phenolic compounds for environmental remediation- A review. Chemosphere, 2022, 300, 134516.	8.2	30
2	Tailoring the heterojunction of TiO2 with multivalence CeO2 nanocrystals - for detection of toxic 2-aminophenol. Food and Chemical Toxicology, 2022, 165, 113182.	3.6	7
3	Reviewâ€"Metal Organic Framework Based Nanomaterials for Electrochemical Sensing of Toxic Heavy Metal Ions: Progress and Their Prospects. Journal of the Electrochemical Society, 2021, 168, 037513.	2.9	55
4	Switching the solubility of electroactive ionic liquids for designing high energy supercapacitor and low potential biosensor. Journal of Colloid and Interface Science, 2021, 588, 221-231.	9.4	11
5	Self-assembled dendrite-like 3D-CeO2 nanostructures for non-enzymatic vitamin B2 sensor. Materials Letters, 2021, 295, 129834.	2.6	9
6	MOFâ€Derived Copper Nitride/Phosphide Heterostructure Coated by Multiâ€Doped Carbon as Electrocatalyst for Efficient Water Splitting and Neutralâ€pH Hydrogen Evolution Reaction. ChemElectroChem, 2020, 7, 289-298.	3.4	30
7	Water insoluble, self-binding viologen functionalized ionic liquid for simultaneous electrochemical detection of nitrophenol isomers. Analytica Chimica Acta, 2020, 1138, 89-98.	5.4	14
8	Nanosized Titania-Nickel mixed oxide for visible light photocatalytic activity. Journal of Molecular Liquids, 2020, 311, 113328.	4.9	12
9	Functionalized graphene fiber modified by dual nanoenzyme: Towards high-performance flexible nanohybrid microelectrode for electrochemical sensing in live cancer cells. Sensors and Actuators B: Chemical, 2020, 310, 127861.	7.8	44
10	Hierarchical Coreâ€“Shell Structure of 2D VS₂@VC@N-Doped Carbon Sheets Decorated by Ultrafine Pd Nanoparticles: Assembled in a 3D Rosette-like Array on Carbon Fiber Microelectrode for Electrochemical Sensing. ACS Applied Materials & Interfaces, 2020, 12, 15507-15516.	8.0	34
11	Horseradish Peroxidase-Immobilized Graphene Oxide-Chitosan Gold Nanocomposites as Highly Sensitive Electrochemical Biosensor for Detection of Hydrogen Peroxide. Journal of the Electrochemical Society, 2020, 167, 147517.	2.9	17
12	Metal-free carbocatalyst for catalytic hydrogenation of N-containing unsaturated compounds. Journal of Catalysis, 2019, 377, 199-208.	6.2	31
13	Heterostructures of mesoporous TiO2 and SnO2 nanocatalyst for improved electrochemical oxidation ability of vitamin B6 in pharmaceutical tablets. Journal of Colloid and Interface Science, 2019, 542, 45-53.	9.4	35
14	One-step solution synthesis of a two-dimensional semiconducting covalent organometallic nanosheet via the condensation of boronic acid. RSC Advances, 2019, 9, 29327-29330.	3.6	2
15	Influence of mesoporous defect induced mixed-valent NiO (Ni2+/Ni3+)-TiO2 nanocomposite for non-enzymatic glucose biosensors. Sensors and Actuators B: Chemical, 2018, 264, 27-37.	7.8	88
16	Aldehyde functionalized ionic liquid on electrochemically reduced graphene oxide as a versatile platform for covalent immobilization of biomolecules and biosensing. Biosensors and Bioelectronics, 2018, 103, 104-112.	10.1	55
17	Towards green synthesis of monodisperse Cu nanoparticles: An efficient and high sensitive electrochemical nitrite sensor. Sensors and Actuators B: Chemical, 2018, 266, 873-882.	7.8	133
18	Mechanothermal synthesis of Ag/TiO2 for photocatalytic methyl orange degradation and hydrogen production. Chemical Engineering Research and Design, 2018, 120, 339-347.	5.6	106

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19	DNA binding and cleavage studies of copper(II) complex containing N2O2 Schiff base ligand. Inorganica Chimica Acta, 2018, 482, 170-178.	2.4	16
20	Amperometric sensing of catechol using a glassy carbon electrode modified with ferrocene covalently immobilized on graphene oxide. Mikrochimica Acta, 2017, 184, 2925-2932.	5.0	35
21	A bioinspired ionic liquid tagged cobalt-salophen complex for nonenzymatic detection of glucose. Biosensors and Bioelectronics, 2017, 91, 380-387.	10.1	41
22	Fabrication of novel shape Cu and Cu/Cu2O nanoparticles modified electrode for the determination of dopamine and paracetamol. Journal of Molecular Liquids, 2016, 221, 930-941.	4.9	332
23	Au-CuO core-shell nanoparticles design and development for the selective determination of Vitamin B6. Electrochimica Acta, 2015, 176, 514-522.	5.2	58
24	Optimization of Oleylamine-Fe₃O₄/MWCNTs Nanocomposite Modified GC Electrode for Electrochemical Determination of Ofloxacin. Journal of Nanoscience and Nanotechnology, 2014, 14, 5059-5069.	0.9	21
25	Auâ€“ZnO bullet-like heterodimer nanoparticles: synthesis and use for enhanced nonenzymatic electrochemical determination of glucose. RSC Advances, 2014, 4, 8943.	3.6	61
26	Synthesis, H2PO4â¯and Pd2+ion sensing and gold nanoparticle encapsulation of ferrocenyldendrimers by a green chemistry approach. RSC Advances, 2014, 4, 4413-4419.	3.6	7
27	Electrostatic fabrication of oleylamine capped nickel oxide nanoparticles anchored multiwall carbon nanotube nanocomposite: A robust electrochemical determination of riboflavin at nanomolar levels. Analytical Methods, 2014, 6, 1011.	2.7	31
28	Optimization of site specific adsorption of oleylamine capped CuO nanoparticles on MWCNTs for electrochemical determination of guanosine. Sensors and Actuators B: Chemical, 2013, 188, 603-612.	7.8	42
29	Controlled growth and molecular self-assembly of Au nanoparticles to Au nanochains: application towards enhancement for the electrochemical determination of paracetamol. Analytical Methods, 2013, 5, 3503.	2.7	31
30	Enhancement of the electrochemical behavior of CuO nanoleaves on MWCNTs/GC composite film modified electrode for determination of norfloxacin. Colloids and Surfaces B: Biointerfaces, 2013, 102, 554-561.	5.0	77
31	Impact of CuO nanoleaves on MWCNTs/GCE nanocomposite film modified electrode for the electrochemical oxidation of folic acid. Applied Nanoscience (Switzerland), 2012, 2, 223-230.	3.1	29
32	Structural and optical properties of 2D CuO nanoleaves. , 2012, , .		1
33	Reactive template method for the synthesis of Pd nanoparticles supported PoPd hollow spheres for electrochemical oxidation of ascorbic acid. Transactions of the Indian Institute of Metals, 2011, 64, 195-198.	1.5	9