

Manoj Devaraj

List of Publications by Year in descending order

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33
papers

1,504
citations

331670
21
h-index

414414
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 TiO ₂ with multivalence CeO ₂ 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-CeO ₂ 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 TiO ₂ and SnO ₂ 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 <i>via</i> the condensation of boronic acid. RSC Advances, 2019, 9, 29327-29330.	3.6	2
15	Influence of mesoporous defect induced mixed-valent NiO (Ni ²⁺ /Ni ³⁺)-TiO ₂ 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	Mechanochemical synthesis of Ag/TiO ₂ 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. <i>Inorganica Chimica Acta</i> , 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. <i>Mikrochimica Acta</i> , 2017, 184, 2925-2932.	5.0	35
21	A bioinspired ionic liquid tagged cobalt-salophen complex for nonenzymatic detection of glucose. <i>Biosensors and Bioelectronics</i> , 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. <i>Journal of Molecular Liquids</i> , 2016, 221, 930-941.	4.9	332
23	Au-CuO core-shell nanoparticles design and development for the selective determination of Vitamin B6. <i>Electrochimica Acta</i> , 2015, 176, 514-522.	5.2	58
24	Optimization of Oleylamine-Fe ₃ O ₄ /MWCNTs Nanocomposite Modified GC Electrode for Electrochemical Determination of Ofloxacin. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 5059-5069.	0.9	21
25	Au@ZnO bullet-like heterodimer nanoparticles: synthesis and use for enhanced nonenzymatic electrochemical determination of glucose. <i>RSC Advances</i> , 2014, 4, 8943.	3.6	61
26	Synthesis, H ₂ PO ₄ [~] and Pd ²⁺ ion sensing and gold nanoparticle encapsulation of ferrocenyldendrimers by a green chemistry approach. <i>RSC Advances</i> , 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. <i>Analytical Methods</i> , 2014, 6, 1011.	2.7	31
28	Optimization of site specific adsorption of oleylamine capped CuO nanoparticles on MWCNTs for electrochemical determination of guanosine. <i>Sensors and Actuators B: Chemical</i> , 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. <i>Analytical Methods</i> , 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. <i>Colloids and Surfaces B: Biointerfaces</i> , 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. <i>Applied Nanoscience (Switzerland)</i> , 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. <i>Transactions of the Indian Institute of Metals</i> , 2011, 64, 195-198.	1.5	9