

Rashmi Madhuri

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71 papers	1,809 citations	27 h-index	39 g-index
93 ext. papers	2,027 ext. citations	8.8 avg, IF	5.22 L-index

#	Paper	IF	Citations
71	Bringing Awareness to the Darker Side of Nanoparticles 2020 , 135-163		1
70	Quality Control of Beverages for Health Safety: Starting from Laboratory to the Point-of-Care Detection Techniques 2019 , 39-83		0
69	Group IV transition metal based phospho-chalcogenides@MoTe ₂ for electrochemical hydrogen evolution reaction over wide range of pH. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 24628-24641	6.7	12
68	Bimetallic transition metal chalcogenide nanowire array: An effective catalyst for overall water splitting. <i>Electrochimica Acta</i> , 2019 , 318, 901-912	6.7	26
67	Stimuli-responsive polymers for treatment of diabetes mellitus 2019 , 491-524		1
66	Retraction notice to "Size-specific imprinted polymer embedded carbon nanodots modified magnetic nanoparticle for specific recognition of titanium nanoparticle: The round versus round", [Biosensors and Bioelectronics, 86 (2016) 818-826]. <i>Biosensors and Bioelectronics</i> , 2019 , 124-125, 269	11.8	
65	Retraction to "A Fluorescent molecularly-imprinted polymer gate with temperature and pH as inputs for detection of alpha-fetoprotein", [Biosensors and Bioelectronics, 78 (2016) 454-463]. <i>Biosensors and Bioelectronics</i> , 2019 , 124-125, 268	11.8	
64	Designing of fluorescent and magnetic imprinted polymer for rapid, selective and sensitive detection of imidacloprid via activators regenerated by the electron transfer-atom transfer radical polymerization (ARGET-ATRP) technique. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 116, 222-233	3.9	15
63	Controlled hydrothermal synthesis of graphene supported NiCo ₂ O ₄ coral-like nanostructures: An efficient electrocatalyst for overall water splitting. <i>Applied Surface Science</i> , 2018 , 449, 203-212	6.7	23
62	Retraction notice to An imprinted Ag@CdS core shell nanoparticle based optical-electrochemical dual probe for trace level recognition of ferritin Biosensors and Bioelectronics Volume 63, 15 January 2015, Pages 301-310. <i>Biosensors and Bioelectronics</i> , 2018 , 111, 184	11.8	
61	Role of Nanomaterials as an Emerging Trend Towards the Detection of Winged Contaminants. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2018 , 245-289	0.4	
60	Bismuth oxide decorated graphene oxide nanocomposites synthesized via sonochemical assisted hydrothermal method for adsorption of cationic organic dyes. <i>Journal of Colloid and Interface Science</i> , 2018 , 509, 82-93	9.3	62
59	Graphene-Based Portable, Flexible, and Wearable Sensing Platforms: An Emerging Trend for Health Care and Biomedical Surveillance 2018 , 307-338		6
58	Retraction notice to Single cell imprinting on the surface of Ag-ZnO bimetallic nanoparticle modified graphene oxide sheets for targeted detection, removal and photothermal killing of E. Coli Biosensors and Bioelectronics Volume 89, Part 1, 15 March 2017, Pages 620-626. <i>Biosensors and Bioelectronics</i> , 2018 , 112, 216	11.8	2
57	Shape-Dependent Electrocatalytic Activity of Iridium Oxide Decorated Erbium Pyrosilicate toward the Hydrogen Evolution Reaction over the Entire pH Range. <i>ACS Catalysis</i> , 2018 , 8, 8830-8843	13.1	26
56	Retraction notice to "Graphene quantum dots decorated CdS doped graphene oxide sheets in dual action mode: as initiator and platform for designing of nimesulide imprinted polymer " [BIOS 89P1 (2017) 627-635]. <i>Biosensors and Bioelectronics</i> , 2018 , 114, 89	11.8	
55	Electrocatalytic behavior of transition metal (Ni, Fe, Cr) doped metal oxide nanocomposites for oxygen evolution reaction. <i>Applied Surface Science</i> , 2018 , 449, 660-668	6.7	26

54	Green Synthesis of Noble Metal Nanoparticles: A Step Forward to Economical and Sustainable Development 2018 , 553-602		2
53	Eco-Friendly Noble Metal Nanoparticles for Therapeutic Applications: Present and Future Scenario 2018 , 629-665		2
52	Green Tiny Magnets: An Economic and Eco-friendly Remedy for Environmental Damage 2018 , 245-292		1
51	Single cell imprinting on the surface of Ag-ZnO bimetallic nanoparticle modified graphene oxide sheets for targeted detection, removal and photothermal killing of E. Coli. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 620-626	11.8	29
50	Introduction of selectivity and specificity to graphene using an inimitable combination of molecular imprinting and nanotechnology. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 234-248	11.8	41
49	2-Dimensional graphene as a route for emergence of additional dimension nanomaterials. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 8-27	11.8	25
48	Role of Magnetic Nanoparticles in Providing Safe and Clean Water to Each Individual 2017 , 281-316		4
47	Detection of Hg ²⁺ ion using fluorescent carbon dots derived from elephant foot yam via green-chemistry 2017 ,		1
46	Probing the shape-specific electrochemical properties of cobalt oxide nanostructures for their application as selective and sensitive non-enzymatic glucose sensors. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6497-6505	7.1	32
45	Shape effect on the fabrication of imprinted nanoparticles: Comparison between spherical-, rod-, hexagonal-, and flower-shaped nanoparticles. <i>Chemical Engineering Journal</i> , 2017 , 321, 195-206	14.7	17
44	Anisotropic Gold Nanoparticle Decorated Magnetopolymersome: An Advanced Nanocarrier for Targeted Photothermal Therapy and Dual-Mode Responsive T MRI Imaging. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2120-2135	5.5	5
43	Cow Dung Derived PdNPs@WO ₃ Porous Carbon Nanodiscs as Trifunctional Catalysts for Design of Zinc-Air Batteries and Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9735-9748	8.3	17
42	Development of carbon dots modified fluorescent molecular imprinted Polymer@Ag/AgCl nanoparticle for hepatocellular carcinoma marker 2017 ,		2
41	Electrocatalytic activity of silver nanoparticles decorated reduced graphene oxide (AgNP@rGO) nanocomposites 2017 ,		2
40	Electrochemical performance of Ag nanoparticle decorated reduced graphene oxide in determination of anticancer drug flutamide 2017 ,		4
39	Removal and Recycling of Precious Rare Earth Element from Wastewater Samples Using Imprinted Magnetic Ordered Mesoporous Carbon. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 6910-6923	8.3	11
38	Dual doped graphene oxide for electrochemical sensing of europium ion 2017 ,		2
37	Electrochemical sensing of cyanometallic compound using TiO ₂ /PVA nanocomposite-modified electrode. <i>Journal of Applied Electrochemistry</i> , 2017 , 47, 75-83	2.6	13

36	A technique comes to life for security of life: the food contaminant sensors 2017 , 713-772		4
35	Hydrothermally synthesized reduced graphene oxide/nickel hydroxide (rGO/Ni(OH) ₂) nanocomposite: A promising material in dye removal 2017 ,		2
34	A single solution for arsenite and arsenate removal from drinking water using cysteine@ZnS:TiO ₂ nanoparticle modified molecularly imprinted biofouling-resistant filtration membrane. <i>Chemical Engineering Journal</i> , 2016 , 304, 259-270	14.7	41
33	A battle between spherical and cube-shaped Ag/AgCl nanoparticle modified imprinted polymer to achieve femtogram detection of alpha-feto protein. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 5534-5547	7.3	18
32	Economic and Ecofriendly Synthesis of Biocompatible Heteroatom Doped Carbon Nanodots for Graphene Oxide Assay and Live Cell Imaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1463-1473	8.3	10
31	The next generation cell-penetrating peptide and carbon dot conjugated nano-liposome for transdermal delivery of curcumin. <i>Biomaterials Science</i> , 2016 , 4, 418-29	7.4	41
30	Agar based bimetallic nanoparticles as high-performance renewable adsorbent for removal and degradation of cationic organic dyes. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 33, 226-238	6.3	49
29	A Genuine Combination of Solvent-free Sample Preparation Technique and Molecularly Imprinted Nanomaterials 2016 , 29-88		
28	Imprinted Carbonaceous Nanomaterials: A Tiny Looking Big Thing in the Field of Selective and Specific Analysis 2016 , 165-216		0
27	Stimuli-responsive poly(N-isopropyl acrylamide)-co-tyrosine@gadolinium: Iron oxide nanoparticle-based nanotheranostic for cancer diagnosis and treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 142, 248-258	6	37
26	Nanocomposite of bimetallic nanodendrite and reduced graphene oxide as a novel platform for molecular imprinting technology. <i>Analytica Chimica Acta</i> , 2016 , 918, 77-88	6.6	31
25	Molecularly imprinted star polymer-modified superparamagnetic iron oxide nanoparticle for trace level sensing and separation of mancozeb. <i>RSC Advances</i> , 2016 , 6, 36751-36760	3.7	21
24	Europium doped magnetic graphene oxide-MWCNT nanohybrid for estimation and removal of arsenate and arsenite from real water samples. <i>Chemical Engineering Journal</i> , 2016 , 299, 244-254	14.7	36
23	Equipment-Free, Single-Step, Rapid, On-Site Kit for Visual Detection of Lead Ions in Soil, Water, Bacteria, Live Cells, and Solid Fruits Using Fluorescent Cube-Shaped Nitrogen-Doped Carbon Dots. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 5606-5617	8.3	29
22	Heteroatom-doped graphene: A green and foody approach towards development of metal free bifunctional catalyst for rechargeable zinc-air battery. <i>Nano Energy</i> , 2016 , 30, 118-129	17.1	39
21	Size-specific imprinted polymer embedded carbon nanodots modified magnetic nanoparticle for specific recognition of titanium nanoparticle: The round versus round. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 818-826	11.8	1
20	PVA assisted low temperature anatase to rutile phase transformation (ART) and properties of titania nanoparticles. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 565-572	5.7	12
19	Fast and Selective Preconcentration of Europium from Wastewater and Coal Soil by Graphene Oxide/Silane@Fe ₃ O ₄ Dendritic Nanostructure. <i>Environmental Science & Technology</i> , 2015 , 49, 6117-6126	19.3	47

18	Dual-responsive polymer coated superparamagnetic nanoparticle for targeted drug delivery and hyperthermia treatment. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9235-46	9.5	122
17	Imprinted ZnO nanostructure-based electrochemical sensing of calcitonin: a clinical marker for medullary thyroid carcinoma. <i>Analytica Chimica Acta</i> , 2015 , 853, 271-284	6.6	32
16	Nano-iniferter based imprinted sensor for ultra trace level detection of prostate-specific antigen in both men and women. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 1-10	11.8	40
15	Developing electrochemical sensor for point-of-care diagnostics of oxidative stress marker using imprinted bimetallic Fe/Pd nanoparticle. <i>Talanta</i> , 2015 , 132, 406-15	6.2	29
14	An imprinted Ag@CdS core shell nanoparticle based optical-electrochemical dual probe for trace level recognition of ferritin. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 301-310	11.8	27
13	Development of an imprinted polymeric sensor with dual sensing property for trace level estimation of zinc and arginine. <i>Materials Science and Engineering C</i> , 2015 , 49, 25-33	8.3	19
12	Gold nanoparticle mediated designing of non-hydrolytic sol-gel cross-linked metformin imprinted polymer network: a theoretical and experimental study. <i>Talanta</i> , 2014 , 120, 198-207	6.2	31
11	Simultaneous determination of heavy metals in biological samples by a multiple-template imprinting technique: an electrochemical study. <i>RSC Advances</i> , 2014 , 4, 56690-56700	3.7	16
10	Combination of Molecular Imprinting and Nanotechnology: Beginning of a New Horizon 2014 , 367-422		0
9	A metronidazole-probe sensor based on imprinted biocompatible nanofilm for rapid and sensitive detection of anaerobic protozoan. <i>RSC Advances</i> , 2014 , 4, 32881	3.7	29
8	Combination of Molecular Imprinting and Nanotechnology: Beginning of a New Horizon 2014 , 375-432		
7	Multiwalled carbon nanotubes bearing 'terminal monomeric unit' for the fabrication of epinephrine imprinted polymer-based electrochemical sensor. <i>Biosensors and Bioelectronics</i> , 2013 , 45, 114-22	11.8	42
6	Sol-gel derived multiwalled carbon nanotubes ceramic electrode modified with molecularly imprinted polymer for ultra trace sensing of dopamine in real samples. <i>Electrochimica Acta</i> , 2011 , 56, 7202-7211	6.7	36
5	Enantioselective separation and electrochemical sensing of D- and L-tryptophan at ultratrace level using molecularly imprinted micro-solid phase extraction fiber coupled with complementary molecularly imprinted polymer-fiber sensor. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical Sciences</i> , 2011 , 879, 251-259	3.2	20
4	Development of a highly sensitive and selective hyphenated technique (molecularly imprinted micro-solid phase extraction fiber-molecularly imprinted polymer fiber sensor) for ultratrace analysis of folic acid. <i>Analytica Chimica Acta</i> , 2010 , 662, 14-22	6.6	52
3	Enantioselective quantitative separation of D- and L-thyroxine by molecularly imprinted micro-solid phase extraction silver fiber coupled with complementary molecularly imprinted polymer-sensor. <i>Journal of Chromatography A</i> , 2010 , 1217, 4255-66	4.5	46
2	Imprinting molecular recognition sites on multiwalled carbon nanotubes surface for electrochemical detection of insulin in real samples. <i>Electrochimica Acta</i> , 2010 , 55, 9146-9156	6.7	99
1	Layer-by-layer assembled molecularly imprinted polymer modified silver electrode for enantioselective detection of D- and L-thyroxine. <i>Analytica Chimica Acta</i> , 2010 , 681, 16-26	6.6	24

