

# Rashmi Madhuri

## List of Publications by Citations

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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.

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

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 71 | Dual-responsive polymer coated superparamagnetic nanoparticle for targeted drug delivery and hyperthermia treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9235-46  | 9.5  | 122       |
| 70 | Imprinting molecular recognition sites on multiwalled carbon nanotubes surface for electrochemical detection of insulin in real samples. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 9146-9156  | 6.7  | 99        |
| 69 | 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> , <b>2018</b> , 509, 82-93  | 9.3  | 62        |
| 68 | 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> , <b>2010</b> , 662, 14-22 | 6.6  | 52        |
| 67 | 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> , <b>2016</b> , 33, 226-238   | 6.3  | 49        |
| 66 | Fast and Selective Preconcentration of Europium from Wastewater and Coal Soil by Graphene Oxide/Silane@Fe <sub>3</sub> O <sub>4</sub> Dendritic Nanostructure. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 6117-26                                   | 10.3 | 47        |
| 65 | 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> , <b>2010</b> , 1217, 4255-66        | 4.5  | 46        |
| 64 | Multiwalled carbon nanotubes bearing 'terminal monomeric unit' for the fabrication of epinephrine imprinted polymer-based electrochemical sensor. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 45, 114-22  | 11.8 | 42        |
| 63 | Introduction of selectivity and specificity to graphene using an inimitable combination of molecular imprinting and nanotechnology. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 89, 234-248   | 11.8 | 41        |
| 62 | A single solution for arsenite and arsenate removal from drinking water using cysteine@ZnS:TiO <sub>2</sub> nanoparticle modified molecularly imprinted biofouling-resistant filtration membrane. <i>Chemical Engineering Journal</i> , <b>2016</b> , 304, 259-270         | 14.7 | 41        |
| 61 | The next generation cell-penetrating peptide and carbon dot conjugated nano-liposome for transdermal delivery of curcumin. <i>Biomaterials Science</i> , <b>2016</b> , 4, 418-29   | 7.4  | 41        |
| 60 | Nano-iniferter based imprinted sensor for ultra trace level detection of prostate-specific antigen in both men and women. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 66, 1-10  | 11.8 | 40        |
| 59 | Heteroatom-doped graphene @LiCl green and foody approach towards development of metal free bifunctional catalyst for rechargeable zinc-air battery. <i>Nano Energy</i> , <b>2016</b> , 30, 118-129   | 17.1 | 39        |
| 58 | 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> , <b>2016</b> , 142, 248-258                                       | 6    | 37        |
| 57 | 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> , <b>2011</b> , 56, 7202-7211   | 6.7  | 36        |
| 56 | Europium doped magnetic graphene oxide-MWCNT nanohybrid for estimation and removal of arsenate and arsenite from real water samples. <i>Chemical Engineering Journal</i> , <b>2016</b> , 299, 244-254  | 14.7 | 36        |
| 55 | 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> , <b>2017</b> , 5, 6497-6505                                  | 7.1  | 32        |

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|----|--|------|----|
| 54 | Imprinted ZnO nanostructure-based electrochemical sensing of calcitonin: a clinical marker for medullary thyroid carcinoma. <i>Analytica Chimica Acta</i> , <b>2015</b> , 853, 271-284   | 6.6  | 32 |
| 53 | Gold nanoparticle mediated designing of non-hydrolytic sol-gel cross-linked metformin imprinted polymer network: a theoretical and experimental study. <i>Talanta</i> , <b>2014</b> , 120, 198-207   | 6.2  | 31 |
| 52 | Nanocomposite of bimetallic nanodendrite and reduced graphene oxide as a novel platform for molecular imprinting technology. <i>Analytica Chimica Acta</i> , <b>2016</b> , 918, 77-88  | 6.6  | 31 |
| 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> , <b>2017</b> , 89, 620-626   | 11.8 | 29 |
| 50 | Developing electrochemical sensor for point-of-care diagnostics of oxidative stress marker using imprinted bimetallic Fe/Pd nanoparticle. <i>Talanta</i> , <b>2015</b> , 132, 406-15   | 6.2  | 29 |
| 49 | A metronidazole-probe sensor based on imprinted biocompatible nanofilm for rapid and sensitive detection of anaerobic protozoan. <i>RSC Advances</i> , <b>2014</b> , 4, 32881  | 3.7  | 29 |
| 48 | 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> , <b>2016</b> , 4, 5606-5617   | 8.3  | 29 |
| 47 | An imprinted Ag@CdS core shell nanoparticle based optical-electrochemical dual probe for trace level recognition of ferritin. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 63, 301-310   | 11.8 | 27 |
| 46 | Shape-Dependent Electrocatalytic Activity of Iridium Oxide Decorated Erbium Pyrosilicate toward the Hydrogen Evolution Reaction over the Entire pH Range. <i>ACS Catalysis</i> , <b>2018</b> , 8, 8830-8843  | 13.1 | 26 |
| 45 | Bimetallic transition metal chalcogenide nanowire array: An effective catalyst for overall water splitting. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 901-912  | 6.7  | 26 |
| 44 | Electrocatalytic behavior of transition metal (Ni, Fe, Cr) doped metal oxide nanocomposites for oxygen evolution reaction. <i>Applied Surface Science</i> , <b>2018</b> , 449, 660-668   | 6.7  | 26 |
| 43 | 2-Dimensional graphene as a route for emergence of additional dimension nanomaterials. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 89, 8-27   | 11.8 | 25 |
| 42 | Layer-by-layer assembled molecularly imprinted polymer modified silver electrode for enantioselective detection of D- and L-thyroxine. <i>Analytica Chimica Acta</i> , <b>2010</b> , 681, 16-26  | 6.6  | 24 |
| 41 | Controlled hydrothermal synthesis of graphene supported NiCo <sub>2</sub> O <sub>4</sub> coral-like nanostructures: An efficient electrocatalyst for overall water splitting. <i>Applied Surface Science</i> , <b>2018</b> , 449, 203-212  | 6.7  | 23 |
| 40 | Molecularly imprinted star polymer-modified superparamagnetic iron oxide nanoparticle for trace level sensing and separation of mancozeb. <i>RSC Advances</i> , <b>2016</b> , 6, 36751-36760   | 3.7  | 21 |
| 39 | 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 and Life Sciences</i> , <b>2011</b> , 879, 364-70 | 3.2  | 20 |
| 38 | 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> , <b>2015</b> , 49, 25-33  | 8.3  | 19 |
| 37 | 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> , <b>2016</b> , 4, 5534-5547  | 7.3  | 18 |

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| 36 | Shape effect on the fabrication of imprinted nanoparticles: Comparison between spherical-, rod-, hexagonal-, and flower-shaped nanoparticles. <i>Chemical Engineering Journal</i> , <b>2017</b> , 321, 195-206   | 14.7 | 17 |
| 35 | Cow Dung Derived PdNPs@WO <sub>3</sub> Porous Carbon Nanodiscs as Trifunctional Catalysts for Design of Zinc-Air Batteries and Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 9735-9748  | 8.3  | 17 |
| 34 | Simultaneous determination of heavy metals in biological samples by a multiple-template imprinting technique: an electrochemical study. <i>RSC Advances</i> , <b>2014</b> , 4, 56690-56700   | 3.7  | 16 |
| 33 | 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> , <b>2018</b> , 116, 222-233                         | 3.9  | 15 |
| 32 | Electrochemical sensing of cyanometallic compound using TiO <sub>2</sub> /PVA nanocomposite-modified electrode. <i>Journal of Applied Electrochemistry</i> , <b>2017</b> , 47, 75-83   | 2.6  | 13 |
| 31 | Group IV transition metal based phospho-chalcogenides@MoTe <sub>2</sub> for electrochemical hydrogen evolution reaction over wide range of pH. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 24628-24641   | 6.7  | 12 |
| 30 | PVA assisted low temperature anatase to rutile phase transformation (ART) and properties of titania nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 646, 565-572   | 5.7  | 12 |
| 29 | Removal and Recycling of Precious Rare Earth Element from Wastewater Samples Using Imprinted Magnetic Ordered Mesoporous Carbon. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 6910-6923   | 8.3  | 11 |
| 28 | 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> , <b>2016</b> , 4, 1463-1473   | 8.3  | 10 |
| 27 | Graphene-Based Portable, Flexible, and Wearable Sensing Platforms: An Emerging Trend for Health Care and Biomedical Surveillance <b>2018</b> , 307-338   |      | 6  |
| 26 | 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> , <b>2017</b> , 3, 2120-2135   | 5.5  | 5  |
| 25 | Role of Magnetic Nanoparticles in Providing Safe and Clean Water to Each Individual <b>2017</b> , 281-316  |      | 4  |
| 24 | Electrochemical performance of Ag nanoparticle decorated reduced graphene oxide in determination of anticancer drug flutamide <b>2017</b> ,  |      | 4  |
| 23 | A technique comes to life for security of life: the food contaminant sensors <b>2017</b> , 713-772   |      | 4  |
| 22 | 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> , <b>2018</b> , 112, 216 | 11.8 | 2  |
| 21 | Development of carbon dots modified fluorescent molecular imprinted Polymer@Ag/AgCl nanoparticle for hepatocellular carcinoma marker <b>2017</b> ,   |      | 2  |
| 20 | Electrocatalytic activity of silver nanoparticles decorated reduced graphene oxide (AgNP@rGO) nanocomposites <b>2017</b> ,   |      | 2  |
| 19 | Dual doped graphene oxide for electrochemical sensing of europium ion <b>2017</b> ,  |      | 2  |

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|----|---|------|---|
| 18 | Hydrothermally synthesized reduced graphene oxide/nickel hydroxide (rGO/Ni(OH) <sub>2</sub> ) nanocomposite: A promising material in dye removal <b>2017</b> ,  |      | 2 |
| 17 | Green Synthesis of Noble Metal Nanoparticles: A Step Forward to Economical and Sustainable Development <b>2018</b> , 553-602  |      | 2 |
| 16 | Eco-Friendly Noble Metal Nanoparticles for Therapeutic Applications: Present and Future Scenario <b>2018</b> , 629-665  |      | 2 |
| 15 | Detection of Hg <sup>2+</sup> ion using fluorescent carbon dots derived from elephant foot yam via green-chemistry <b>2017</b> ,  |      | 1 |
| 14 | Bringing Awareness to the Darker Side of Nanoparticles <b>2020</b> , 135-163  |      | 1 |
| 13 | 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> , <b>2016</b> , 86, 818-826   | 11.8 | 1 |
| 12 | Stimuli-responsive polymers for treatment of diabetes mellitus <b>2019</b> , 491-524  |      | 1 |
| 11 | Green Tiny Magnets: An Economic and Eco-friendly Remedy for Environmental Damage <b>2018</b> , 245-292  |      | 1 |
| 10 | Quality Control of Beverages for Health Safety: Starting from Laboratory to the Point-of-Care Detection Techniques <b>2019</b> , 39-83  |      | 0 |
| 9  | Combination of Molecular Imprinting and Nanotechnology: Beginning of a New Horizon <b>2014</b> , 367-422  |      | 0 |
| 8  | Imprinted Carbonaceous Nanomaterials: A Tiny Looking Big Thing in the Field of Selective and Specific Analysis <b>2016</b> , 165-216  |      | 0 |
| 7  | Retraction notice to An imprinted Ag@CdS core shell nanoparticle based optical-electrochemical dual probe for trace level recognition of ferritin <i>Biosensors and Bioelectronics</i> Volume 63, 15 January 2015, Pages 301-310. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 111, 184                 | 11.8 |   |
| 6  | Role of Nanomaterials as an Emerging Trend Towards the Detection of Winged Contaminants. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , <b>2018</b> , 245-289  | 0.4  |   |
| 5  | 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> , <b>2018</b> , 114, 89                                   | 11.8 |   |
| 4  | Combination of Molecular Imprinting and Nanotechnology: Beginning of a New Horizon <b>2014</b> , 375-432  |      |   |
| 3  | A Genuine Combination of Solvent-free Sample Preparation Technique and Molecularly Imprinted Nanomaterials <b>2016</b> , 29-88  |      |   |
| 2  | 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> , <b>2019</b> , 124-125, 269 | 11.8 |   |
| 1  | 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> , <b>2019</b> , 124-125, 268  | 11.8 |   |

