

# Mahesh B

## List of Publications by Year in descending order

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28  
papers

235  
citations

1040056

9  
h-index

1058476

14  
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30  
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30  
docs citations

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times ranked

182  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of Zn/Cu oxide nanoparticles by <i>Vernicia fordii</i> seed extract: their photocatalytic activity toward industrial dye degradation and their biological activity. <i>Inorganic and Nano-Metal Chemistry</i> , 2023, 53, 388-400.	1.6	3
2	Recent advances in photocatalytic remediation of emerging organic pollutants using semiconducting metal oxides: an overview. <i>Environmental Science and Pollution Research</i> , 2022, 29, 4930-4957.	5.3	19
3	PANI-molybdate nanocomposites: Structural, morphological and dielectric properties for the effective electromagnetic interference (EMI) shielding applications in X-band. <i>Applied Surface Science Advances</i> , 2022, 7, 100203.	6.8	7
4	<i>Thunbergia mysorensis</i> mediated nano silver oxide for enhanced antibacterial, antioxidant, anticancer potential and in vitro hemolysis evaluation. <i>Journal of Molecular Structure</i> , 2022, 1255, 132455.	3.6	16
5	Sensing beyond Senses: An Overview of Outstanding Strides in Architecting Nanopolymer-Enabled Sensors for Biomedical Applications. <i>Polymers</i> , 2022, 14, 601.	4.5	4
6	Miscibility and thermal stability of synthetic glutamic acid comprising polypeptide with polyvinyl alcohol: Fabrication of nanofibrous electrospun membranes. <i>Materials Chemistry and Physics</i> , 2022, 281, 125847.	4.0	4
7	Synthesis and structural characterization of elastin-based polypentapeptide/hydroxypropylmethylcellulose blend films: Assessment of miscibility, thermal stability and surface characteristics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 649, 129503.	4.7	6
8	Examination of miscibility characteristics of the synthetic plastic-mimetic peptide with polyacrylamide: development of nonwoven mats by electrospinning. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 405-418.	1.3	0
9	Development and Validation of Spectrophotometric Methods for the Assay of Mirabegron in Bulk and Pharmaceutical Formulations. <i>Journal of Applied Spectroscopy</i> , 2021, 87, 1171-1178.	0.7	4
10	Insights into the miscibility characteristics of plastic-mimetic polypeptide with hydroxypropylmethylcellulose: Investigation of thermal degradability and intermolecular interactions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111877.	5.0	1
11	Green synthesis of silver nanoparticles using cow urine: Antimicrobial and blood biocompatibility studies. <i>Jcis Open</i> , 2021, 3, 100023.	3.2	9
12	Colorimetric detection of chromium (VI) using peroxidase mimetic IONPS with 4- Aminoantipyrene and 3-Aminophenol as a chromogen. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100471.	2.9	4
13	Determination of Solifenacin Succinate in Pure and Pharmaceutical Dosage forms by Spectrophotometry. <i>Journal of Analytical Chemistry</i> , 2021, 76, 1262-1270.	0.9	2
14	Enzymatic method and its validation for the micromolar assay of glucose in human serum samples. <i>Analytical Biochemistry</i> , 2020, 590, 113536.	2.4	4
15	Blends of synthetic plastic-derived polypeptide with Hydroxypropylmethylcellulose and polyvinyl alcohol: unraveling the specific interaction parameters, morphology and thermal stability of the polymers couple. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	11
16	Zinc Oxide Nanoparticles Supported on Multi-walled Carbon Nanotube Modified Electrode for Electrochemical Sensing of a Fluoroquinolone Drug. <i>Electroanalysis</i> , 2020, 32, 2183-2192.	2.9	11
17	Impact of Blend Proportion on the Miscibility and Thermal Characteristics of Synthetic Plastic-Derived Polypentapeptide with Commercially Available Polyvinyl Alcohol. <i>Journal of Polymers and the Environment</i> , 2019, 27, 2267-2280.	5.0	4
18	Miscibility studies of plastic-mimetic polypeptide with hydroxypropylmethylcellulose blends and generation of non-woven fabrics. <i>Carbohydrate Polymers</i> , 2019, 212, 129-141.	10.2	23

#	ARTICLE	IF	CITATIONS
19	Synthesis and evaluation of interaction parameters of synthetic elastin-derived polypentapeptide with poly(vinylpyrrolidone) in solution and solid phase. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46699.	2.6	1
20	Fabrication of copper oxide nanoparticles modified carbon paste electrode and its application in simultaneous electroanalysis of guanine, adenine and thymine. <i>Sensors and Actuators A: Physical</i> , 2018, 280, 277-286.	4.1	19
21	Elastin-based polymer: synthesis, characterization and examination of its miscibility characteristics with poly(vinyl alcohol) and electrospinning of the miscible blends. <i>Polymer International</i> , 2018, 67, 1511-1522.	3.1	12
22	Synthesis of elastin-based polymer and evaluation of its intermolecular interactions with hydroxypropyl methylcellulose. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45283.	2.6	6
23	Investigation on miscibility behaviors of elastin-like polypentapeptide blends with polyvinyl alcohol in aqueous and solid state. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	9
24	Synthesis, Characterization, and Antibacterial Activity of Co(II), Ni(II), Cu(II), Zn(II), Cd(II), and Hg(II) Complexes of Schiff's Base Type Ligands Containing Benzofuran Moiety. <i>International Journal of Inorganic Chemistry</i> , 2013, 2013, 1-10.	0.6	6
25	New Hydrogen Donor: A Facile Method for the Removal of Hydrogenolysable Protecting Groups in Peptide Synthesis.. <i>Protein and Peptide Letters</i> , 2002, 9, 225-230.	0.9	3
26	Catalytic Transfer Hydrogenation of Aromatic Nitro Compounds by Employing Ammonium Formate and 5% Platinum on Carbon. <i>Synthetic Communications</i> , 2000, 30, 3639-3644.	2.1	41
27	EXPLORATION OF BIOACTIVE COMPONENTS OF THUNBERGIA COCCINEA, ITS PHARMACOGNOSTIC, ANTIOXIDANT, GCMS AND ANTIHYPERGLYCEMIC STUDIES. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 0, , 45-54.	0.3	3
28	Development of ciprofloxacin sensor using iron-doped graphitic carbon nitride as transducer matrix: Analysis of ciprofloxacin in blood samples. <i>Journal of Electrochemical Science and Engineering</i> , 0, , .	3.5	1