

# Maralekere K Prashanth

## List of Publications by Year in descending order

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46  
papers

964  
citations

331670

21  
h-index

477307

29  
g-index

49  
all docs

49  
docs citations

49  
times ranked

808  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption and antimicrobial studies of chemically bonded magnetic graphene oxide-Fe <sub>3</sub> O <sub>4</sub> nanocomposite for water purification. <i>Journal of Water Process Engineering</i> , 2017, 17, 22-31.	5.6	95
2	Synthesis, characterization, antidepressant and antioxidant activity of novel piperamides bearing piperidine and piperazine analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 7065-7070.	2.2	52
3	Controllable synthesis of TiO <sub>2</sub> chemically bonded graphene for photocatalytic hydrogen evolution and dye degradation. <i>Catalysis Today</i> , 2020, 340, 170-177.	4.4	45
4	Adsorption of anionic dye on eco-friendly synthesised reduced graphene oxide anchored with lanthanum aluminate: Isotherms, kinetics and statistical error analysis. <i>Ceramics International</i> , 2021, 47, 10322-10331.	4.8	45
5	Fabrication of polyaniline-few-layer MoS <sub>2</sub> nanocomposite for high energy density supercapacitors. <i>Polymer Bulletin</i> , 2018, 75, 4359-4375.	3.3	44
6	Novel 1,3,5-triazine-based pyrazole derivatives as potential antitumor agents and EGFR kinase inhibitors: synthesis, cytotoxicity, DNA binding, molecular docking and DFT studies. <i>New Journal of Chemistry</i> , 2021, 45, 13909-13924.	2.8	43
7	Synthesis, anticonvulsant, antioxidant and binding interaction of novel N-substituted methylquinazoline-2,4(1H,3H)-dione derivatives to bovine serum albumin: A structure-activity relationship study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 324-332.	3.9	39
8	Simple fabrication of reduced graphene oxide -few layer MoS <sub>2</sub> nanocomposite for enhanced electrochemical performance in supercapacitors and water purification. <i>Physica B: Condensed Matter</i> , 2018, 537, 336-345.	2.7	37
9	Versatile Graphene oxide decorated by star shaped Zinc oxide nanocomposites with superior adsorption capacity and antimicrobial activity. <i>Journal of Science: Advanced Materials and Devices</i> , 2018, 3, 167-174.	3.1	32
10	Click synthesis of 1,2,3-triazole based imidazoles: Antitubercular evaluation, molecular docking and HSA binding studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 36, 127810.	2.2	31
11	Synthesis of some new glutamine linked 2,3-disubstituted quinazolinone derivatives as potent antimicrobial and antioxidant agents. <i>Medicinal Chemistry Research</i> , 2013, 22, 2665-2676.	2.4	29
12	Synthesis and evaluation of novel imidazo[4,5-c]pyridine derivatives as antimycobacterial agents against <i>Mycobacterium tuberculosis</i> . <i>New Journal of Chemistry</i> , 2016, 40, 9194-9204.	2.8	28
13	Investigation of biological activity of 2,3-disubstituted quinazolin-4(1 <i>H</i> )-ones against <i>Mycobacterium tuberculosis</i> and DNA docking, spectroscopy and DFT studies. <i>New Journal of Chemistry</i> , 2021, 45, 403-414.	2.8	28
14	Synthesis and Anticonvulsant Activity of N-(Substituted)-methyl-2,4-dioxo-1,2,4-dihydroquinazoline-3(4 <i>H</i> )-carboxamides. <i>Archiv Der Pharmazie</i> , 2016, 349, 566-571.	2.4	27
15	MoS <sub>2</sub> -Calix[4]arene Catalyzed Synthesis and Molecular Docking Study of 2,4,5-Trisubstituted Imidazoles As Potent Inhibitors of <i>Mycobacterium tuberculosis</i> . <i>ACS Combinatorial Science</i> , 2020, 22, 509-518.	3.8	27
16	Novel synthesis of 4,4-difluoropyrido[4,3- <i>b</i> ]indoles via intramolecular Heck reaction. <i>Tetrahedron Letters</i> , 2013, 54, 1424-1427.	1.4	24
17	Synthesis and Pharmacological Evaluation of Novel 1-(2-(Difluoromethoxy)benzyl)-5-spiro[8.4]tricyclo[3.2.1]octane-3,4-dimidazoline and Their Derivatives. <i>Archiv Der Pharmazie</i> , 2014, 347, 370-380.	2.4	24
18	Rutile, mesoporous ruthenium oxide decorated graphene oxide as an efficient visible light driven photocatalyst for hydrogen evolution reaction and organic pollutant degradation. <i>Materials Science in Semiconductor Processing</i> , 2020, 116, 105156.	4.0	24

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19	Gadolinium sesquisulfide anchored N-doped reduced graphene oxide for sensitive detection and degradation of carbendazim. <i>Chemosphere</i> , 2022, 296, 134030.	8.2	24
20	N-doped reduced graphene oxide anchored with $\text{Ta}_2\text{O}_5$ for energy and environmental remediation: Efficient light-driven hydrogen evolution and simultaneous degradation of textile dyes. <i>Advanced Powder Technology</i> , 2021, 32, 2202-2212.	4.1	23
21	Effect of OH, NH <sub>2</sub> and OCH <sub>3</sub> groups on the corrosion inhibition efficacy of three new 2,4,5-trisubstituted imidazole derivatives on mild steel in acidic solutions: Experimental, surface and DFT explorations. <i>Journal of Molecular Liquids</i> , 2021, 329, 115587.	4.9	23
22	Synthesis and Antioxidant Activity of Novel Quinazolinones Functionalized with Urea/Thiourea/Thiazole Derivatives as 5-Lipoxygenase Inhibitors. <i>Letters in Drug Design and Discovery</i> , 2014, 11, 712-720.	0.7	21
23	Nitrogen doped carbon spheres from <i>Tamarindus indica</i> shell decorated with vanadium pentoxide; photoelectrochemical water splitting, photochemical hydrogen evolution & degradation of Bisphenol A. <i>Chemosphere</i> , 2022, 287, 132348.	8.2	20
24	Design, synthesis and molecular docking studies of imidazole and benzimidazole linked ethionamide derivatives as inhibitors of InhA and antituberculosis agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 60, 128604.	2.2	20
25	Discovery of a novel series of substituted quinolines acting as anticancer agents and selective EGFR blocker: Molecular docking study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 44, 128118.	2.2	17
26	Synthesis and Evaluation of 3-((2,4-dioxo-1,3,8-triazaspiro[4.6]undecan-3-yl)methyl)benzotrile Derivatives as Potential Anticonvulsants. <i>Archiv Der Pharmazie</i> , 2013, 346, 200-209.	4.1	16
27	Synthesis, Characterization, and BSA Binding Studies of Some New Benzamides Related to Schiff Base. <i>ISRN Organic Chemistry</i> , 2013, 2013, 1-12.	1.0	15
28	Synthesis, Characterization, and Biological Evaluation of Novel 3-(4-chlorophenyl)-2-(substituted)quinazolin-4(3H)-one Derivatives as Multi-target Anti-inflammatory Agents. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 2046-2051.	2.0	15
29	Fluorine substituted thiomethyl pyrimidine derivatives as efficient inhibitors for mild steel corrosion in hydrochloric acid solution: Thermodynamic, electrochemical and DFT studies. <i>Journal of Molecular Liquids</i> , 2020, 311, 113311.	4.9	14
30	Development of penipenoid C-inspired 2-benzoyl-1-methyl-2,3-dihydroquinazolin-4(1H)-one derivatives as potential EGFR inhibitors: Synthesis, anticancer evaluation and molecular docking study. <i>Journal of Molecular Structure</i> , 2022, 1258, 132674.	3.6	13
31	Efficient Synthesis of RuO <sub>2</sub> Nanoparticle with excellent activity for one-pot Synthesis of 2,3-disubstituted quinazolin-4(1H)-ones. <i>Vietnam Journal of Chemistry</i> , 2019, 57, 585-594.	0.8	12
32	Protection of mild steel corrosion by three new quinazoline derivatives: experimental and DFT studies. <i>Surfaces and Interfaces</i> , 2020, 18, 100446.	3.0	12
33	Highly Sensitive and Validated Spectrophotometric Technique for the Assay of Some Antidepressant Drugs. <i>Journal of Applied Spectroscopy</i> , 2015, 81, 1004-1011.	0.7	8
34	Microwave-assisted N-alkylation of amines with alcohols catalyzed by MnCl <sub>2</sub> : Anticancer, docking, and DFT studies. <i>Archiv Der Pharmazie</i> , 2022, 355, e2100443.	4.1	6
35	Facile green synthesis of samarium sesquioxide nanoparticle as a quencher for biologically active imidazole analogues: Computational and experimental insights. <i>Journal of Molecular Structure</i> , 2022, 1264, 133235.	3.6	6
36	KINETICS AND MECHANISTIC STUDY OF OXIDATION OF AMOXICILLIN BY CHLORAMINE-T IN ACID MEDIUM. <i>Journal of the Chilean Chemical Society</i> , 2015, 60, 3063-3068.	1.2	5

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37	Synthesis and characterization of copper oxide nanoparticles: In the study of voltammetric response of biomolecules. <i>Surface Engineering and Applied Electrochemistry</i> , 2016, 52, 469-474.	0.8	4
38	Synthesis, molecular docking, antimicrobial, antioxidant and anticonvulsant assessment of novel S and C-linker thiazole derivatives. <i>Chemical Physics Letters</i> , 2022, 791, 139408.	2.6	4
39	Synthesis and structure-activity relationship studies on novel 8-amino-3-[2-(4-fluorophenoxy)ethyl]-1,3-diazaspiro[4.5]decane-2,4-dione derivatives as anticonvulsant agents. <i>Medicinal Chemistry Research</i> , 2013, 22, 2633-2644.	2.4	3
40	Synthesis, Characterization, and Evaluation of Difluoropyrido[4,3 <i>b</i> ]indoles as Potential Agents for Acetylcholinesterase and Antiamnesic Activity. <i>Archiv Der Pharmazie</i> , 2017, 350, 1600303.	4.1	3
41	ANTIDEPRESSANT DRUGS: HIGHLY SENSITIVE AND VALIDATED SPECTROPHOTOMETRIC TECHNIQUE. <i>Journal of the Chilean Chemical Society</i> , 2014, 59, 2382-2388.	1.2	2
42	Synthesis, Anticonvulsant and Binding Interaction Study of Novel Piperamides with Bovine Serum Albumin by Fluorescence Spectroscopy. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2015, 16, 60-66.	1.1	2
43	Development and Validation of Reverse Phase HPLC Method for the Determination of Midazolam in Human Plasma. <i>Analytical Chemistry Letters</i> , 2014, 4, 213-223.	1.0	1
44	Bio Analytical Method Development Of an Anti-HIV-1 Drug Efavirenz Using High Performance Liquid Chromatography In Human Plasma. <i>Materials Today: Proceedings</i> , 2017, 4, 11939-11946.	1.8	1
45	Novel Heterocyclic Transition Metal Complexes: Synthesis, Characterization, Antimicrobial and Anticancer Activity. <i>Asian Journal of Chemistry</i> , 2021, 33, 2519-2524.	0.3	0
46	Novel transition metal complexes of 5-(2-phenyl-1H-benzo[d]imidazol-1-yl)quinolin-8-ol as active pharmacophore: Experimental and computational explorations. <i>Chemical Data Collections</i> , 2021, 36, 100777.	2.3	0