

K P Rakesh

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.

65
papers

2,344
citations

33
h-index

46
g-index

66
ext. papers

3,095
ext. citations

5
avg. IF

5.83
L-index

#	Paper	IF	Citations
65	Heterogeneous graphitic carbon nitrides in visible-light-initiated organic transformations. <i>Green Chemistry</i> , 2022 , 24, 438-479	10	5
64	A key review on oxadiazole analogs as potential methicillin-resistant Staphylococcus aureus (MRSA) activity: Structure-activity relationship studies. <i>European Journal of Medicinal Chemistry</i> , 2021 , 219, 113442	6.8	19
63	Anti-tuberculosis activity and its structure-activity relationship (SAR) studies of oxadiazole derivatives: A key review. <i>European Journal of Medicinal Chemistry</i> , 2021 , 209, 112886	6.8	15
62	A general approach to nitrile- and sulfonyl fluoride-substituted cyclopropanes. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 6021-6024	3.9	0
61	Pyrazole-based analogs as potential antibacterial agents against methicillin-resistance staphylococcus aureus (MRSA) and its SAR elucidation. <i>European Journal of Medicinal Chemistry</i> , 2021 , 212, 113134	6.8	31
60	Catalytic pyrolysis of ulva lactuca macroalgae: Effects of mono and bimetallic catalysts and reaction parameters on bio-oil up-gradation. <i>Bioresource Technology</i> , 2021 , 324, 124594	11	6
59	Copper-Promoted Conjugate Addition of Carboxylic Acids to Ethenesulfonyl Fluoride (ESF) for Constructing Aliphatic Sulfonyl Fluorides. <i>ACS Omega</i> , 2021 , 6, 25972-25981	3.9	0
58	Copper-catalyzed mild desulfonylation of vinyl sulfonyl molecules. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1696-1702	5.2	6
57	But-3-ene-1,3-disulfonyl difluoride (BDF): a highly selective SuFEx clickable hub for the quick assembly of sultam-containing aliphatic sulfonyl fluorides. <i>Chemical Communications</i> , 2020 , 56, 8075-8078	5.8	7
56	Indole-based derivatives as potential antibacterial activity against methicillin-resistance Staphylococcus aureus (MRSA). <i>European Journal of Medicinal Chemistry</i> , 2020 , 194, 112245	6.8	46
55	Chalcone hybrids as privileged scaffolds in antimalarial drug discovery: A key review. <i>European Journal of Medicinal Chemistry</i> , 2020 , 193, 112215	6.8	41
54	Hydrophilic SiC hollow fiber membranes for low fouling separation of oil-in-water emulsions with high flux.. <i>RSC Advances</i> , 2020 , 10, 4832-4839	3.7	11
53	Synthesis of Dihydrazones as Potential Anticancer and DNA Binding Candidates: A Validation by Molecular Docking Studies. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020 , 20, 845-858	2.2	
52	Antibacterial activities with the structure-activity relationship of coumarin derivatives. <i>European Journal of Medicinal Chemistry</i> , 2020 , 207, 112832	6.8	45
51	Antibacterial activities of sulfonyl or sulfonamide containing heterocyclic derivatives and its structure-activity relationships (SAR) studies: A critical review. <i>Bioorganic Chemistry</i> , 2020 , 105, 104400	5.1	24
50	Structure-activity relationships (SAR) of triazine derivatives: Promising antimicrobial agents. <i>European Journal of Medicinal Chemistry</i> , 2020 , 185, 111804	6.8	47
49	Applications of sulfonyl fluoride (SO ₂ F ₂) in chemical transformations. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 3490-3516	5.2	29

48	2-Azidoethane-1-sulfonylfluoride (ASF): A Versatile Bis-clickable Reagent for SuFEx and CuAAC Click Reactions. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 1763-1769	3.2	13
47	Radical scavenging and anti-inflammatory activities of (hetero)arylethenesulfonyl fluorides: Synthesis and structure-activity relationship (SAR) and QSAR studies. <i>Bioorganic Chemistry</i> , 2019 , 89, 103015	5.1	19
46	SOF-mediated transformation of 2-hydroxyacetophenones to benzo-oxetes. <i>Beilstein Journal of Organic Chemistry</i> , 2019 , 15, 976-980	2.5	6
45	Anticancer and DNA binding studies of potential amino acids based quinazolinone analogs: Synthesis, SAR and molecular docking. <i>Bioorganic Chemistry</i> , 2019 , 87, 252-264	5.1	35
44	Recent Developments in Radical-Mediated Transformations of Organohalides. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 2769-2806	3.2	30
43	Synthetic approaches and pharmaceutical applications of chloro-containing molecules for drug discovery: A critical review. <i>European Journal of Medicinal Chemistry</i> , 2019 , 173, 117-153	6.8	80
42	Transition-metal-free regioselective construction of 1,5-diaryl-1,2,3-triazoles through dehydrative cycloaddition of alcohols with aryl azides mediated by SOF. <i>Chemical Communications</i> , 2019 , 55, 2845-2848	5.8	29
41	The significance of N-methylpicolinamides in the development of anticancer therapeutics: Synthesis and structure-activity relationship (SAR) studies. <i>Bioorganic Chemistry</i> , 2019 , 86, 513-537	5.1	19
40	Chalcone derivatives and their antibacterial activities: Current development. <i>Bioorganic Chemistry</i> , 2019 , 91, 103133	5.1	67
39	Triazole derivatives as inhibitors of Alzheimer's disease: Current developments and structure-activity relationships. <i>European Journal of Medicinal Chemistry</i> , 2019 , 180, 656-672	6.8	48
38	Synthetic routes and structure-activity relationships (SAR) of anti-HIV agents: A key review. <i>European Journal of Medicinal Chemistry</i> , 2019 , 181, 111566	6.8	8
37	Amino acids conjugated quinazolinone-Schiff bases as potential antimicrobial agents: Synthesis, SAR and molecular docking studies. <i>Bioorganic Chemistry</i> , 2019 , 90, 103093	5.1	37
36	Rh-Catalyzed Highly Enantioselective Synthesis of Aliphatic Sulfonyl Fluorides. <i>Science</i> , 2019 , 21, 695-705	5.1	20
35	Structure-activity relationship (SAR) studies of synthetic glycogen synthase kinase-3 inhibitors: A critical review. <i>European Journal of Medicinal Chemistry</i> , 2019 , 164, 448-470	6.8	34
34	Discovery of novel arylethenesulfonyl fluorides as potential candidates against methicillin-resistant of <i>Staphylococcus aureus</i> (MRSA) for overcoming multidrug resistance of bacterial infections. <i>European Journal of Medicinal Chemistry</i> , 2019 , 162, 364-377	6.8	52
33	Pharmaceutical significance of azepane based motifs for drug discovery: A critical review. <i>European Journal of Medicinal Chemistry</i> , 2019 , 162, 465-494	6.8	29
32	Pharmaceutical and medicinal significance of sulfur (S)-Containing motifs for drug discovery: A critical review. <i>European Journal of Medicinal Chemistry</i> , 2019 , 162, 679-734	6.8	181
31	Construction of Di(hetero)arylmethanes Through Pd-Catalyzed Direct Dehydroxylative Cross-Coupling of Benzylic Alcohols and Aryl Boronic Acids Mediated by Sulfonyl Fluoride (SO ₂ F ₂). <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 1801-1807	3.2	16

30	Innovative nano-carriers in anticancer drug delivery-a comprehensive review. <i>Bioorganic Chemistry</i> , 2019 , 85, 325-336	5.1	68
29	Anti-inflammatory and Antioxidant Peptide-Conjugates: Modulation of Activity by Charged and Hydrophobic Residues. <i>International Journal of Peptide Research and Therapeutics</i> , 2019 , 25, 227-234	2.1	14
28	Arylnaphthalene lactone analogues: synthesis and development as excellent biological candidates for future drug discovery.. <i>RSC Advances</i> , 2018 , 8, 9487-9502	3.7	33
27	Carbonylblefin metathesis: a key review. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 1381-1391	5.2	31
26	Pd-Catalyzed one-pot dehydroxylative coupling of phenols with K ₄ [Fe(CN) ₆] mediated by SO ₂ F ₂ : a practical method for the direct conversion of phenols to aryl nitriles. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 1835-1839	5.2	33
25	Development of piperazine-1-carbothioamide chitosan silver nanoparticles (P1C-Tit*CAgNPs) as a promising anti-inflammatory candidate: a molecular docking validation. <i>MedChemComm</i> , 2018 , 9, 713-724	5	18
24	Promising bactericidal approach of dihydrazone analogues against bio-film forming Gram-negative bacteria and molecular mechanistic studies.. <i>RSC Advances</i> , 2018 , 8, 5473-5483	3.7	32
23	Master mechanisms of Staphylococcus aureus: consider its excellent protective mechanisms hindering vaccine development!. <i>Microbiological Research</i> , 2018 , 212-213, 59-66	5.3	33
22	A portal to a class of novel sultone-functionalized pyridines via an annulative SuFEx process employing earth abundant nickel catalysts. <i>Chemical Communications</i> , 2018 , 54, 9011-9014	5.8	23
21	Visible Light-Induced C-H Bond Functionalization: A Critical Review. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 4652-4698	5.6	93
20	Role of BP*C@AgNPs in Bap-dependent multicellular behavior of clinically important methicillin-resistant Staphylococcus aureus (MRSA) biofilm adherence: A key virulence study. <i>Microbial Pathogenesis</i> , 2018 , 123, 275-284	3.8	33
19	Aryl fluorosulfate analogues as potent antimicrobial agents: SAR, cytotoxicity and docking studies. <i>Bioorganic Chemistry</i> , 2018 , 81, 107-118	5.1	33
18	Multi-targetable chalcone analogs to treat deadly Alzheimer's disease: Current view and upcoming advice. <i>Bioorganic Chemistry</i> , 2018 , 80, 86-93	5.1	57
17	Recent Development of Sulfonyl or Sulfonamide Hybrids as Potential Anticancer Agents: A Key Review. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018 , 18, 488-505	2.2	52
16	Synthesis of novel benzodioxane amidst piperazine moiety decorated chitosan silver nanoparticle against biohazard pathogens and as potential anti-inflammatory candidate: A molecular docking studies. <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 489-502	7.9	37
15	Podophyllotoxin derivatives as an excellent anticancer aspirant for future chemotherapy: A key current imminent needs. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 340-355	3.4	70
14	Amino acids/peptides conjugated heterocycles: A tool for the recent development of novel therapeutic agents. <i>Bioorganic Chemistry</i> , 2018 , 76, 113-129	5.1	46
13	Visible-light initiated aerobic oxidations: a critical review. <i>Green Chemistry</i> , 2018 , 20, 4790-4833	10	114

12	Combating a Master Manipulator: Staphylococcus aureus Immunomodulatory Molecules as Targets for Combinatorial Drug Discovery. <i>ACS Combinatorial Science</i> , 2018 , 20, 681-693	3.9	38
11	Multi-targeted dihydrazones as potent biotherapeutics. <i>Bioorganic Chemistry</i> , 2018 , 81, 389-395	5.1	33
10	Vision for medicine: Staphylococcus aureus biofilm war and unlocking key@ for anti-biofilm drug development. <i>Microbial Pathogenesis</i> , 2018 , 123, 339-347	3.8	49
9	Synthesis, SAR and molecular docking studies of benzo[d]thiazole-hydrazones as potential antibacterial and antifungal agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 3148-3155	2.9	54
8	Synthesis of benzo[]thiazole-hydrazone analogues: molecular docking and SAR studies of potential H/K ATPase inhibitors and anti-inflammatory agents. <i>MedChemComm</i> , 2017 , 8, 1173-1189	5	28
7	Synthesis and SAR studies of potent H+/K+-ATPase and anti-inflammatory activities of symmetrical and unsymmetrical urea analogues. <i>Medicinal Chemistry Research</i> , 2017 , 26, 1675-1681	2.2	9
6	Novel T-C@AgNPs mediated biocidal mechanism against biofilm associated methicillin-resistant (Bap-MRSA) 090, cytotoxicity and its molecular docking studies. <i>MedChemComm</i> , 2017 , 8, 2181-2194	5	36
5	Benzisoxazole: a privileged scaffold for medicinal chemistry. <i>MedChemComm</i> , 2017 , 8, 2023-2039	5	42
4	Synthesis and molecular docking studies of xanthone attached amino acids as potential antimicrobial and anti-inflammatory agents. <i>MedChemComm</i> , 2017 , 8, 1706-1719	5	48
3	Synthesis and SAR studies of potent H(+)/K(+)-ATPase inhibitors of quinazolinone-Schiff@ base analogues. <i>Bioorganic Chemistry</i> , 2016 , 68, 1-8	5.1	20
2	An unexpected reaction to methodology: an unprecedented approach to transamidation. <i>RSC Advances</i> , 2016 , 6, 108315-108318	3.7	14
1	Schiff@ bases of quinazolinone derivatives: Synthesis and SAR studies of a novel series of potential anti-inflammatory and antioxidants. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 1072-7	2.9	98