

# Kamaldeep Paul

## 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.

84  
papers

1,526  
citations

23  
h-index

35  
g-index

99  
ext. papers

1,869  
ext. citations

4.1  
avg. IF

5.47  
L-index

#	Paper	IF	Citations
84	Recent developments on 1,8-Naphthalimide moiety as potential target for anticancer agents.. <i>Bioorganic Chemistry</i> , <b>2022</b> , 121, 105677	5.1	3
83	Synthesis and photobiological applications of naphthalimide-benzothiazole conjugates: cytotoxicity and topoisomerase II $\beta$ inhibition.. <i>RSC Advances</i> , <b>2021</b> , 12, 483-497	3.7	0
82	Insights of 8-hydroxyquinolines: A novel target in medicinal chemistry. <i>Bioorganic Chemistry</i> , <b>2021</b> , 108, 104633	5.1	23
81	Recent Approaches of Repositioning and Traditional Drugs for the Treatment of COVID-19 Pandemic Outbreak. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2021</b> , 21, 952-968	3.2	2
80	1-Oxo-1H-phenalene-2,3-dicarbonitrile Based Sensor for Selective Detection of Cyanide ions in Industrial Waste. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1234, 130077	3.4	1
79	Dual-channel ratiometric recognition of Al and F ions through an ESIPT-ESICT signalling mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 247, 119112	4.4	8
78	Current progress, challenges and future prospects of indazoles as protein kinase inhibitors for the treatment of cancer.. <i>RSC Advances</i> , <b>2021</b> , 11, 25228-25257	3.7	4
77	Synthesis of Triphenylethylene-Naphthalimide Conjugates as topoisomerase-II $\beta$ inhibitor and HSA binder. <i>ChemMedChem</i> , <b>2021</b> , 16, 1821-1831	3.7	1
76	A review on diverse heterocyclic compounds as the privileged scaffolds in non-steroidal aromatase inhibitors. <i>Bioorganic Chemistry</i> , <b>2021</b> , 113, 105017	5.1	7
75	8-Hydroxyquinoline Fluorophore for Sensing of Metal Ions and Anions. <i>Chemical Record</i> , <b>2020</b> , 20, 1430-1473	4.7	9
74	Spectroscopy and molecular docking approach for investigation on the binding of nocodazole to human serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 235, 118289	4.4	19
73	Synthesis of naphthalimide-phenanthro[9,10-d]imidazole derivatives: In vitro evaluation, binding interaction with DNA and topoisomerase inhibition. <i>Bioorganic Chemistry</i> , <b>2020</b> , 96, 103631	5.1	14
72	Synthesis, cytotoxicity, pharmacokinetic profile, binding with DNA and BSA of new imidazo[1,2-a]pyrazine-benzo[d]imidazol-5-yl hybrids. <i>Scientific Reports</i> , <b>2020</b> , 10, 6534	4.9	7
71	Traceless directing groups: a novel strategy in regiodivergent C-H functionalization. <i>Chemical Communications</i> , <b>2020</b> , 56, 12479-12521	5.8	28
70	Synthesis and structure of complexes (NiII, AgI) of substituted benzaldehyde thiosemicarbazones and antitubercular activity of NiII complex. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 499, 119187	2.7	8
69	Copper(I) and silver(I) complexes of anthraldehyde thiosemicarbazone: synthesis, structure elucidation, anti-tuberculosis/cytotoxic activity and interactions with DNA/HSA. <i>Dalton Transactions</i> , <b>2020</b> , 49, 17350-17367	4.3	6
68	Deciphering the excited state intramolecular charge-coupled double proton transfer in an asymmetric quinoline-Benzimidazole system. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 12866-12874	3.6	8

67	Recent Advances in the Synthesis of Tamoxifen and Analogues in Medicinal Chemistry. <i>Asian Journal of Organic Chemistry</i> , <b>2020</b> , 9, 1432-1465	3	2
66	Di-2-pyridylketone-N-substituted thiosemicarbazone derivatives of copper(II): Biosafe antimicrobial potential and high anticancer activity against immortalized L6 rat skeletal muscle cells. <i>Journal of Inorganic Biochemistry</i> , <b>2020</b> , 212, 111205	4.2	2
65	Triphenylethylene analogues: Design, synthesis and evaluation of antitumor activity and topoisomerase inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 208, 112775	6.8	4
64	Synthesis of 5-(4-(1H-phenanthro[9,10-d]imidazol-2-yl)benzylidene)thiazolidine-2,4-dione as promising DNA and serum albumin-binding agents and evaluation of antitumor activity. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 166, 267-280	6.8	19
63	Single molecular platform displaying PET and hydrolysis sensing mechanism for differential detection of metal ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 380, 111845	4.7	6
62	Synthesis and in vitro evaluation of naphthalimide-benzimidazole conjugates as potential antitumor agents. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 5349-5366	3.9	12
61	Al <sup>3+</sup> induced hydrolysis of rhodamine-based Schiff-base: Applications in cell imaging and ensemble as CN <sup>-</sup> sensor in 100% aqueous medium. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 380, 111851	4.7	11
60	Recent Advances and Developments of in vitro Evaluation of Heterocyclic Moieties on Cancer Cell Lines. <i>Chemical Record</i> , <b>2019</b> , 19, 362-393	6.6	12
59	New Biphenyl-Based Bispyrazolines: Synthesis, Antimicrobial, and Docking Studies. <i>Journal of Heterocyclic Chemistry</i> , <b>2019</b> , 56, 2659-2670	1.9	4
58	Effective synthesis of benzimidazoles-imidazo[1,2-a]pyrazine conjugates: A comparative study of mono- and bis-benzimidazoles for antitumor activity. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 180, 546-561	6.8	13
57	FTIR and rheological studies of PMMA-based nano-dispersed gel polymer electrolytes incorporated with LiBF <sub>4</sub> and SiO <sub>2</sub> . <i>Ionics</i> , <b>2019</b> , 25, 1495-1503	2.7	8
56	Aggregation induced emission-excited state intramolecular proton transfer based 'off-on' fluorescent sensor for Al <sup>3+</sup> ions in liquid and solid state. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 263, 585-593	8.5	36
55	Acrylonitrile embedded benzimidazole-anthraquinone based chromofluorescent sensor for ratiometric detection of CN <sup>-</sup> ions in bovine serum albumin. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 267, 549-558	8.5	12
54	A new 'turn-on' PET-CHEF based fluorescent sensor for Al <sup>3+</sup> and CN <sup>-</sup> ions: applications in real samples. <i>Analytical Methods</i> , <b>2018</b> , 10, 983-990	3.2	18
53	BINOL-based differential chromo-fluorescent sensor and its application in miniaturized 1-2/4-2 bit encoders and decoders. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 2491-2497	3.6	5
52	Investigation of rotameric conformations of substituted imidazo-[1,2-]pyrazine: experimental and theoretical approaches.. <i>RSC Advances</i> , <b>2018</b> , 8, 9707-9717	3.7	1
51	Enhancement in anti-tubercular activity of indole based thiosemicarbazones on complexation with copper(I) and silver(I) halides: Structure elucidation, evaluation and molecular modelling. <i>Bioorganic Chemistry</i> , <b>2018</b> , 80, 303-318	5.1	10
50	Insulin Therapy for Diabetes Epidemic: A Patent Review. <i>Current Drug Delivery</i> , <b>2018</b> , 15, 777-794	3.2	6

49	Self-agglomerated crystalline needles harnessing ESIPT and AIEE features for the Turn-on fluorescence detection of Al <sup>3+</sup> ions. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 18550-18558	3.6	14
48	Donor-Acceptor (D-A) dyad for ratiometric detection of Hg <sup>2+</sup> and PPI. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 12729-12736	3.6	10
47	ESIPT Coupled RAHB Probe for Estimation of Cyanide in Human Blood Serum/Plasma like Solutions Using Chemodosimetric Approach. <i>ChemistrySelect</i> , <b>2017</b> , 2, 800-804	1.8	
46	A fluorescent probe with AIE + ESIPT characteristics for Cu <sup>2+</sup> and F <sup>-</sup> ions estimation. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 246, 653-661	8.5	50
45	Quinazolinone-benzimidazole conjugates: Synthesis, characterization, dihydrofolate reductase inhibition, DNA and protein binding properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2017</b> , 168, 156-164	6.7	14
44	Naphthalimide based chromofluorescent sensor and DNA intercalator: Triggered by Hg <sup>2+</sup> /HSO <sub>4</sub> <sup>-</sup> cleavage reaction. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 246, 776-782	8.5	12
43	1,8-Naphthalimide: A Potent DNA Intercalator and Target for Cancer Therapy. <i>Chemical Record</i> , <b>2017</b> , 17, 956-993	6.6	44
42	Synthesis of new triazole based imidazo[1,2-a]pyrazine-benzimidazole conjugates: H-bonding assisted FRET efficient ratiometric detection of pyrophosphate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 348, 102-109	4.7	2
41	Novel pyrazolo[3,4-d]pyrimidine with 4-(1H-benzimidazol-2-yl)-phenylamine as broad spectrum anticancer agents: Synthesis, cell based assay, topoisomerase inhibition, DNA intercalation and bovine serum albumin studies. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 126, 24-35	6.8	28
40	Pyrrolo[2,3-b]pyridine Derivatives: Synthesis and Preliminary Evaluation of their Calf Thymus DNA Binding Properties. <i>ChemistrySelect</i> , <b>2016</b> , 1, 4772-4777	1.8	
39	Triazine-Benzimidazole conjugates: synthesis, spectroscopic and molecular modelling studies for interaction with calf thymus DNA. <i>RSC Advances</i> , <b>2016</b> , 6, 14741-14750	3.7	6
38	Differential sensing of fluoride and cyanide ions by using Dicyano substituted benzimidazole probe. <i>Journal of Luminescence</i> , <b>2016</b> , 173, 165-170	3.8	16
37	Synthesis, in vitro antitumor activity, dihydrofolate reductase inhibition, DNA intercalation and structure-activity relationship studies of 1,3,5-triazine analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2016</b> , 26, 518-523	2.9	21
36	An NBD-based two-in-one Cu <sup>2+</sup> /Ni <sup>2+</sup> chemosensor with differential charge transfer processes. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 2418-2422	3.6	23
35	Benzimidazole based ratiometric chemosensor for detection of CN <sup>-</sup> and Cu <sup>2+</sup> ions in protic/aqueous system: Elaboration as XOR logic operation. <i>Inorganica Chimica Acta</i> , <b>2016</b> , 443, 57-63	2.7	13
34	Imidazo[1,2-a]pyridines: Promising Drug Candidate for Antitumor Therapy. <i>Current Topics in Medicinal Chemistry</i> , <b>2016</b> , 16, 3590-3616	3	47
33	Benzimidazole-Based Quinazolines: In Vitro Evaluation, Quantitative Structure-Activity Relationship, and Molecular Modeling as Aurora Kinase Inhibitors. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 193-201	4.3	2
32	Csp <sup>2</sup> C-C Bond Formation via Pd-Catalyzed Coupling Reaction of 2,4-Dichloroquinazoline. <i>Journal of Heterocyclic Chemistry</i> , <b>2016</b> , 53, 241-248	1.9	

31	Synthesis and in vitro evaluation of novel triazine analogues as anticancer agents and their interaction studies with bovine serum albumin. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 117, 59-69	6.8	46
30	Synthesis of energy transfer cassettes via click and Suzuki-Miyaura cross coupling reactions. <i>RSC Advances</i> , <b>2016</b> , 6, 37664-37671	3.7	2
29	Synthesis, structure and cytotoxicity evaluation of complexes of N1-substituted-isatin-3-thiosemicarbazone with copper(I) halides. <i>Inorganica Chimica Acta</i> , <b>2016</b> , 449, 119-126	2.7	10
28	Thiazolidine based differential chromo-fluorescent sensor for Cu <sup>2+</sup> and CN <sup>-</sup> ions: Elaboration as logic devices. <i>Journal of Luminescence</i> , <b>2016</b> , 180, 292-300	3.8	6
27	Purine-benzimidazole hybrids: synthesis, single crystal determination and in vitro evaluation of antitumor activities. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 93, 414-22	6.8	28
26	Triazine as a promising scaffold for its versatile biological behavior. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 102, 39-57	6.8	66
25	Quinazoline-benzimidazole hybrid as dual optical sensor for cyanide and Pb <sup>2+</sup> ions and Aurora kinase inhibitor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2015</b> , 311, 68-75	4.7	19
24	Synthesis, in vitro evaluation and DNA interaction studies of N-allyl naphthalimide analogues as anticancer agents. <i>RSC Advances</i> , <b>2015</b> , 5, 41803-41813	3.7	14
23	Triazine-benzimidazole hybrids: anticancer activity, DNA interaction and dihydrofolate reductase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 1691-700	3.4	57
22	Synthesis, in vitro anticancer activity and SAR studies of arylated imidazo[1,2-a]pyrazine-boumarin hybrids. <i>RSC Advances</i> , <b>2015</b> , 5, 37887-37895	3.7	31
21	Synthetic approaches and functionalizations of imidazo[1,2-a]pyrimidines: an overview of the decade. <i>RSC Advances</i> , <b>2015</b> , 5, 81608-81637	3.7	25
20	Recent advances in development of imidazo[1,2-a]pyrazines: synthesis, reactivity and their biological applications. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 3525-55	3.9	39
19	Ratiometric fluorescent chemosensor for fluoride ion based on inhibition of excited state intramolecular proton transfer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 138, 67-72	4.4	16
18	Synthesis of new 2,3-disubstituted pyridines containing a 1,2,3-triazole in the side-chain via one-pot copper-catalyzed azide-alkyne cycloaddition. <i>Arkivoc</i> , <b>2015</b> , 2015, 28-41	0.9	4
17	Synthesis and in vitro antitumor evaluation of primary amine substituted quinazoline linked benzimidazole. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 624-9	2.9	54
16	Benzimidazole-biologically attractive scaffold for protein kinase inhibitors. <i>RSC Advances</i> , <b>2014</b> , 4, 12422-7	3.7	72
15	Dansyl-antipyrene dyad as a fluorescent sensor for Cu <sup>2+</sup> and F <sup>-</sup> sequential XNOR logic operation. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 2841	3.6	23
14	Palladium catalyzed novel monoarylation and symmetrical/unsymmetrical diarylation of imidazo[1,2-a]pyrazines and their in vitro anticancer activities. <i>RSC Advances</i> , <b>2014</b> , 4, 9885	3.7	8

13	Synthesis, in vitro evaluation and molecular modelling of naphthalimide analogue as anticancer agents. <i>European Journal of Medicinal Chemistry</i> , <b>2013</b> , 68, 352-60	6.8	24
12	Pyrophosphate selective fluorescent probe and molecular flip-flop. <i>Dalton Transactions</i> , <b>2013</b> , 42, 3783-4	6.3	11
11	Synthesis, single crystal and antitumor activities of benzimidazole-quinazoline hybrids. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 3288-94	2.9	46
10	Synthesis of new conjugated coumarin-benzimidazole hybrids and their anticancer activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 3667-72	2.9	95
9	A dual-responsive chromo-fluorescent probe for detection of Zn <sup>2+</sup> and Fe <sup>3+</sup> via two different approaches. <i>RSC Advances</i> , <b>2013</b> , 3, 9189	3.7	28
8	FRET-based ratiometric detection of Hg <sup>2+</sup> and biothiols using naphthalimide-rhodamine dyads. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 8076-81	3.9	48
7	Cross-coupling Reaction of 1,1-Difluoro-1-phenylvinylstannane with Alkenyl Iodides: Novel Approach to 2-Phenyl-1,1-difluoro-1,3-butadienes. <i>Bulletin of the Korean Chemical Society</i> , <b>2010</b> , 31, 25-26 <sup>1,2</sup>		4
6	Synthesis of 2-fluoro-3-phenylthio-1,3-butadiene and 2-trifluoromethyl-3-phenylthio-1,3-butadiene and their reactivities toward various dienophiles. <i>Organic Letters</i> , <b>2009</b> , 11, 4728-31	6.2	5
5	A practical approach for spiro- and 5-monoalkylated barbituric acids. <i>Journal of Heterocyclic Chemistry</i> , <b>2006</b> , 43, 607-612	1.9	28
4	Anti-cancer activities of 5-acyl-6-[2-hydroxy/benzyloxy-3-(amino)-propylamino]-1,3-dialkyl-1H-pyrimidin-2,4-diones. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 8622-5	3.4	5
3	Synthesis of pyrazole-based hybrid molecules: search for potent multidrug resistance modulators. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 5061-71	3.4	72
2	Studies of interactions between uracil-based hybrid molecules and P-glycoprotein--search for multidrug resistance modulators. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 7183-6	3.4	5
1	Synthesis of 5-acyl-6-[2-hydroxy-3-(amino)propylamino]-1,3-dialkyl-1H-pyrimidine-2,4-diones. <i>Organic and Biomolecular Chemistry</i> , <b>2005</b> , 3, 3958-65	3.9	2