Kamaldeep Paul

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3322543/publications.pdf

Version: 2024-02-01

86 papers	2,238 citations	218592 26 h-index	254106 43 g-index
99 all docs	99 docs citations	99 times ranked	2937 citing authors

#	Article	IF	Citations
1	Synthesis of new conjugated coumarinâ€“benzimidazole hybrids and their anticancer activity. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3667-3672.	1.0	113
2	Triazine as a promising scaffold for its versatile biological behavior. European Journal of Medicinal Chemistry, 2015, 102, 39-57.	2.6	97
3	Benzimidazole-biologically attractive scaffold for protein kinase inhibitors. RSC Advances, 2014, 4, 12422.	1.7	89
4	Synthesis of pyrazole-based hybrid molecules: Search for potent multidrug resistance modulators. Bioorganic and Medicinal Chemistry, 2006, 14, 5061-5071.	1.4	82
5	Insights of 8-hydroxyquinolines: A novel target in medicinal chemistry. Bioorganic Chemistry, 2021, 108, 104633.	2.0	80
6	Imidazo[1,2-a]pyridines: Promising Drug Candidate for Antitumor Therapy. Current Topics in Medicinal Chemistry, 2016, 16, 3590-3616.	1.0	76
7	Triazineâ€“benzimidazole hybrids: Anticancer activity, DNA interaction and dihydrofolate reductase inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 1691-1700.	1.4	73
8	Traceless directing groups: a novel strategy in regiodivergent Câ€“H functionalization. Chemical Communications, 2020, 56, 12479-12521.	2.2	73
9	1,8â€Naphthalimide: A Potent DNA Intercalator and Target for Cancer Therapy. Chemical Record, 2017, 17, 956-993.	2.9	69
10	A fluorescent probe with â€œAIE + ESIPTâ€•characteristics for Cu2+ and Fâ¯ ions estimation. Sensors and Actuators B: Chemical, 2017, 246, 653-661.	4.0	68
11	Synthesis and in vitro antitumor evaluation of primary amine substituted quinazoline linked benzimidazole. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 624-629.	1.0	66
12	Synthesis and inÂvitro evaluation of novel triazine analogues as anticancer agents and their interaction studies with bovine serum albumin. European Journal of Medicinal Chemistry, 2016, 117, 59-69.	2.6	58
13	Recent advances in development of imidazo[1,2-a]pyrazines: synthesis, reactivity and their biological applications. Organic and Biomolecular Chemistry, 2015, 13, 3525-3555.	1.5	53
14	Synthesis, single crystal and antitumor activities of benzimidazoleâ€“quinazoline hybrids. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3288-3294.	1.0	52
15	FRET-based ratiometric detection of Hg2+ and biothiols using naphthalimideâ€“rhodamine dyads. Organic and Biomolecular Chemistry, 2012, 10, 8076.	1.5	51
16	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. European Journal of Medicinal Chemistry, 2017, 126, 24-35.	2.6	47
17	Aggregation induced emission-excited state intramolecular proton transfer based â€œ off-on â€• fluorescent sensor for Al 3+ ions in liquid and solid state. Sensors and Actuators B: Chemical, 2018, 263, 585-593.	4.0	47
18	Synthetic approaches and functionalizations of imidazo[1,2-a]pyrimidines: an overview of the decade. RSC Advances, 2015, 5, 81608-81637.	1.7	37

#	Article	IF	Citations
19	Synthesis, in vitro anticancer activity and SAR studies of arylated imidazo[1,2-a]pyrazineâ€“coumarin hybrids. RSC Advances, 2015, 5, 37887-37895.	1.7	36
20	Synthesis, inÂvitro evaluation and molecular modelling of naphthalimide analogue as anticancer agents. European Journal of Medicinal Chemistry, 2013, 68, 352-360.	2.6	35
21	Purine-benzimidazole hybrids: Synthesis, single crystal determination and inÂvitro evaluation of antitumor activities. European Journal of Medicinal Chemistry, 2015, 93, 414-422.	2.6	33
22	A dual-responsive chromo-fluorescent probe for detection of Zn2+ and Fe3+via two different approaches. RSC Advances, 2013, 3, 9189.	1.7	30
23	Recent Advances and Developments of inâ€…vitro Evaluation of Heterocyclic Moieties on Cancer Cell Lines. Chemical Record, 2019, 19, 362-393.	2.9	30
24	Spectroscopy and molecular docking approach for investigation on the binding of nocodazole to human serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 235, 118289.	2.0	30
25	A practical approach for spiroâ€•and 5â€•monoalkylated barbituric acids. Journal of Heterocyclic Chemistry, 2006, 43, 607-612.	1.4	29
26	Synthesis, in vitro antitumor activity, dihydrofolate reductase inhibition, DNA intercalation and structureâ€“activity relationship studies of 1,3,5-triazine analogues. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 518-523.	1.0	28
27	An NBD-based two-in-one Cu²⁺/Ni²⁺ chemosensor with differential charge transfer processes. New Journal of Chemistry, 2016, 40, 2418-2422.	1.4	28
28	Synthesis of naphthalimide-phenanthro[9,10-d]imidazole derivatives: In vitro evaluation, binding interaction with DNA and topoisomerase inhibition. Bioorganic Chemistry, 2020, 96, 103631.	2.0	28
29	Al3+ induced hydrolysis of rhodamine-based Schiff-base: Applications in cell imaging and ensemble as CN- sensor in 100% aqueous medium. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 380, 111851.	2.0	27
30	Dansylâ€“antipyrine dyad as a fluorescent sensor for Cu2+ and Fâ˜: sequential XNOR logic operation. New Journal of Chemistry, 2014, 38, 2841.	1.4	26
31	A new â€˜Turn-onâ€™ PET-CHEF based fluorescent sensor for Al³⁺ and CN^{â˜} ions: applications in real samples. Analytical Methods, 2018, 10, 983-990.	1.3	26
32	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. European Journal of Medicinal Chemistry, 2019, 166, 267-280.	2.6	25
33	Quinazolineâ€“benzimidazole hybrid as dual optical sensor for cyanide and Pb2+ ions and Aurora kinase inhibitor. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 311, 68-75.	2.0	23
34	FTIR and rheological studies of PMMA-based nano-dispersed gel polymer electrolytes incorporated with LiBF4 and SiO2. Ionics, 2019, 25, 1495-1503.	1.2	23
35	Acrylonitrile embedded benzimidazole-anthraquinone based chromofluorescent sensor for ratiometric detection of CNâ˜ ions in bovine serum albumin. Sensors and Actuators B: Chemical, 2018, 267, 549-558.	4.0	22
36	Deciphering the excited state intramolecular charge-coupled double proton transfer in an asymmetric quinolineâ€“benzimidazole system. New Journal of Chemistry, 2020, 44, 12866-12874.	1.4	22

#	Article	IF	Citations
37	Enhancement in anti-tubercular activity of indole based thiosemicarbazones on complexation with copper(I) and silver(I) halides: Structure elucidation, evaluation and molecular modelling. Bioorganic Chemistry, 2018, 80, 303-318.	2.0	21
38	Synthesis and in vitro evaluation of naphthalimideâ€“benzimidazole conjugates as potential antitumor agents. Organic and Biomolecular Chemistry, 2019, 17, 5349-5366.	1.5	21
39	8â€Hydroxyquinoline Fluorophore for Sensing of Metal Ions and Anions. Chemical Record, 2020, 20, 1430-1473.	2.9	21
40	Synthesis, cytotoxicity, pharmacokinetic profile, binding with DNA and BSA of new imidazo[1,2-a]pyrazine-benzo[d]imidazol-5-yl hybrids. Scientific Reports, 2020, 10, 6534.	1.6	20
41	A review on diverse heterocyclic compounds as the privileged scaffolds in non-steroidal aromatase inhibitors. Bioorganic Chemistry, 2021, 113, 105017.	2.0	20
42	Recent developments on 1,8-Naphthalimide moiety as potential target for anticancer agents. Bioorganic Chemistry, 2022, 121, 105677.	2.0	20
43	Quinazolinone-benzimidazole conjugates: Synthesis, characterization, dihydrofolate reductase inhibition, DNA and protein binding properties. Journal of Photochemistry and Photobiology B: Biology, 2017, 168, 156-164.	1.7	19
44	Self-agglomerated crystalline needles harnessing ESIPT and AIEE features for the â€˜turn-onâ€™ fluorescence detection of Al³⁺ ions. New Journal of Chemistry, 2018, 42, 18550-18558.	1.4	19
45	Effective synthesis of benzimidazoles-imidazo[1,2-a]pyrazine conjugates: A comparative study of mono-and bis-benzimidazoles for antitumor activity. European Journal of Medicinal Chemistry, 2019, 180, 546-561.	2.6	19
46	Synthesis, in vitro evaluation and DNA interaction studies of N-allyl naphthalimide analogues as anticancer agents. RSC Advances, 2015, 5, 41803-41813.	1.7	18
47	Differential sensing of fluoride and cyanide ions by using Dicyano substituted benzimidazole probe. Journal of Luminescence, 2016, 173, 165-170.	1.5	18
48	Ratiometric fluorescent chemosensor for fluoride ion based on inhibition of excited state intramolecular proton transfer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 67-72.	2.0	17
49	Dual-channel ratiometric recognition of Al3+ and Fâ¯ ions through an ESIPT-ESICT signalling mechanism. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119112.	2.0	17
50	Benzimidazole based ratiometric chemosensor for detection of CNâ¯ and Cu2+ ions in protic/aqueous system: Elaboration as XOR logic operation. Inorganica Chimica Acta, 2016, 443, 57-63.	1.2	16
51	Naphthalimide based chromofluorescent sensor and DNA intercalator: Triggered by Hg2+/HSO4â¯ cleavage reaction. Sensors and Actuators B: Chemical, 2017, 246, 776-782.	4.0	15
52	Copper(<scp>i</scp>) and silver(<scp>i</scp>) complexes of anthraldehyde thiosemicarbazone: synthesis, structure elucidation, in vitro anti-tuberculosis/cytotoxic activity and interactions with DNA/HSA. Dalton Transactions, 2020, 49, 17350-17367.	1.6	15
53	Synthesis, structure and cytotoxicity evaluation of complexes of N1-substituted-isatin-3-thiosemicarbazone with copper(I) halides. Inorganica Chimica Acta, 2016, 449, 119-126.	1.2	13
54	Synthesis and structure of complexes (NiII, AgI) of substituted benzaldehyde thiosemicarbazones and antitubercular activity of NiII complex. Inorganica Chimica Acta, 2020, 499, 119187.	1.2	13

#	Article	IF	Citations
55	Pyrophosphate selective fluorescent probe and molecular flip-flop. Dalton Transactions, 2013, 42, 3783.	1.6	12
56	Donorâ€“Ï€â€“acceptor (Dâ€“Ï€â€“A) dyad for ratiometric detection of Hg²⁺ and PPi. New Journal of Chemistry, 2018, 42, 12729-12736.	1.4	11
57	Palladium catalyzed novel monoarylation and symmetrical/unsymmetrical diarylation of imidazo[1,2-a]pyrazines and their in vitro anticancer activities. RSC Advances, 2014, 4, 9885.	1.7	10
58	Current progress, challenges and future prospects of indazoles as protein kinase inhibitors for the treatment of cancer. RSC Advances, 2021, 11, 25228-25257.	1.7	10
59	Insulin Therapy for Diabetes Epidemic: A Patent Review. Current Drug Delivery, 2018, 15, 777-794.	0.8	10
60	Synthesis and photobiological applications of naphthalimideâ€“benzothiazole conjugates: cytotoxicity and topoisomerase IIÎ± inhibition. RSC Advances, 2021, 12, 483-497.	1.7	10
61	Triazineâ€“benzimidazole conjugates: synthesis, spectroscopic and molecular modelling studies for interaction with calf thymus DNA. RSC Advances, 2016, 6, 14741-14750.	1.7	9
62	Recent Advances in the Synthesis of Tamoxifen and Analogues in Medicinal Chemistry. Asian Journal of Organic Chemistry, 2020, 9, 1432-1465.	1.3	9
63	Di-2-pyridylketone-N1-substituted thiosemicarbazone derivatives of copper(II): Biosafe antimicrobial potential and high anticancer activity against immortalized L6 rat skeletal muscle cells. Journal of Inorganic Biochemistry, 2020, 212, 111205.	1.5	9
64	Synthesis of 2-Fluoro-3-phenylthio-1,3-butadiene and 2-Trifluoromethyl-3-phenylthio-1,3-butadiene and Their Reactivities toward Various Dienophiles. Organic Letters, 2009, 11, 4728-4731.	2.4	8
65	Thiazolidine based differential chromo-fluorescent sensor for Cu2+ and CNâ¯ ions: Elaboration as logic devices. Journal of Luminescence, 2016, 180, 292-300.	1.5	8
66	Anti-cancer activities of 5-acyl-6-[2-hydroxy/benzyloxy-3-(amino)-propylamino]-1,3-dialkyl-1H-pyrimidin-2,4-diones. Bioorganic and Medicinal Chemistry, 2006, 14, 8622-8625.	1.4	7
67	Studies of interactions between uracil-based hybrid molecules and P-glycoproteinâ€”Search for multidrug resistance modulators. Bioorganic and Medicinal Chemistry, 2006, 14, 7183-7186.	1.4	7
68	Single molecular platform displaying PET and hydrolysis sensing mechanism for differential detection of metal ions. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 380, 111845.	2.0	7
69	1-Oxo-1H-phenalene-2,3-dicarbonitrile Based Sensor for Selective Detection of Cyanide ions in Industrial Waste. Journal of Molecular Structure, 2021, 1234, 130077.	1.8	6
70	Benzimidazoleâ€Based Quinazolines: In Vitro Evaluation, Quantitative Structureâ€“Activity Relationship, and Molecular Modeling as Aurora Kinase Inhibitors. Archiv Der Pharmazie, 2016, 349, 193-201.	2.1	5
71	BINOL-based differential chromo-fluorescent sensor and its application in miniaturized 1-2/4-2 bit encoders and decoders. New Journal of Chemistry, 2018, 42, 2491-2497.	1.4	5
72	Triphenylethylene analogues: Design, synthesis and evaluation of antitumor activity and topoisomerase inhibitors. European Journal of Medicinal Chemistry, 2020, 208, 112775.	2.6	5

#	Article	IF	Citations
73	Cross-coupling Reaction of Î²,Î²-Difluoro-Î±-phenylvinylstannane with Alkenyl Iodides: Novel Approach to 2-Phenyl-1,1-difluoro-1,3-butadienes. Bulletin of the Korean Chemical Society, 2010, 31, 25-26.	1.0	5
74	Synthesis of 5-acyl-6-[2-hydroxy-3-(amino)propylamino]-1,3-dialkyl-1H-pyrimidine-2,4-diones. Organic and Biomolecular Chemistry, 2005, 3, 3958.	1.5	4
75	Investigation of rotameric conformations of substituted imidazo-[1,2-a]pyrazine: experimental and theoretical approaches. RSC Advances, 2018, 8, 9707-9717.	1.7	4
76	New Biphenylâ€Based Bispyrazolines: Synthesis, Antimicrobial, and Docking Studies. Journal of Heterocyclic Chemistry, 2019, 56, 2659-2670.	1.4	4
77	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. Arkivoc, 2015, 2015, 28-41.	0.3	4
78	Synthesis of energy transfer cassettes via click and Suzukiâ€“Miyaura cross coupling reactions. RSC Advances, 2016, 6, 37664-37671.	1.7	3
79	Synthesis of Triphenylethyleneâ€Naphthalimide Conjugates as topoisomeraseâ€IIÎ± inhibitor and HSA binder. ChemMedChem, 2021, 16, 1822-1832.	1.6	3
80	Synthesis of new triazole based imidazo[1,2-a]pyrazine-benzimidazole conjugates: H-bonding assisted FRET efficient ratiometric detection of pyrophosphate. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 348, 102-109.	2.0	2
81	Recent Approaches of Repositioning and Traditional Drugs for the Treatment of COVID-19 Pandemic Outbreak. Mini-Reviews in Medicinal Chemistry, 2021, 21, 952-968.	1.1	2
82	Ruthenium(II)â€Catalyzed Câ^'H Alkenylation of 1,8â€Naphthalimide with Cyclic Imide as a Weakly Coordinating Directing Group. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	2
83	Interleukin Receptor Antagonists and Janus Kinase Inhibitors Repurposed for Treatment of COVID-19. Mini-Reviews in Medicinal Chemistry, 2022, 22, .	1.1	1
84	Csp²â€“O and Câ€“C Bond Formation via Pdâ€Catalyzed Coupling Reaction of 2,4â€Dichloroquinazoline. Journal of Heterocyclic Chemistry, 2016, 53, 241-248.	1.4	0
85	Pyrrolo[2,3â€b]pyridine Derivatives: Synthesis and Preliminary Evaluation of their Calf Thymus DNA Binding Properties. ChemistrySelect, 2016, 1, 4772-4777.	0.7	0
86	ESIPT Coupled RAHB Probe for Estimation of Cyanide in Human Blood Serum/Plasma like Solutions Using Chemodosimetric Approach. ChemistrySelect, 2017, 2, 800-804.	0.7	0