Kamaljit Singh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7062250/publications.pdf

Version: 2024-02-01

63 papers	2,002 citations	279798 23 h-index	254184 43 g-index
65 all docs	65 docs citations	65 times ranked	2567 citing authors

#	Article	IF	Citations
1	A fluorene based probe: Synthesis and â€œturn-onâ€•water sensitivity of the in-situ formed Cu2+ complex: Application in bio-imaging. Analytica Chimica Acta, 2022, 1189, 339211.	5.4	3
2	Synthesis and antiplasmodial activity of regioisomers and epimers of second-generation dual acting ivermectin hybrids. Scientific Reports, 2022, 12, 564.	3.3	4
3	Synthesis, linear and non-linear optical properties of â€œpush-pullâ€•chromophores based on 9,9-dimethyl-9H-fluoren-2-amine. Dyes and Pigments, 2022, 200, 110160.	3.7	7
4	Quinolineâ€Dihydropyrimidinâ€2(1H)â€•one Hybrids: Synthesis, Biological Activity, and Mechanistic Studies. ChemMedChem, 2022, 17, .	3.2	4
5	Secondâ€•order nonlinear polarizability of â€œPushâ€Pullâ€ chromophores. A decade of progress in donorâ€Ïâ€acceptor materials. Chemical Record, 2022, 22, e202200024.	5.8	9
6	Thiazolothiazole based donor-Ï€-acceptor fluorophore: Protonation/deprotonation triggered molecular switch, sensing and bio-imaging applications. Analytica Chimica Acta, 2022, 1206, 339776.	5.4	14
7	N-alkyl isatin derivatives: Synthesis, nematicidal evaluation and protein target identifications for their mode of action. Pesticide Biochemistry and Physiology, 2021, 171, 104736.	3.6	12
8	Ivermectin: A Promising Therapeutic for Fighting Malaria. Current Status and Perspective. Journal of Medicinal Chemistry, 2021, 64, 9711-9731.	6.4	11
9	A bis-pyrene chalcone based fluorescent material for ratiometric sensing of hydrazine: An acid/base molecular switch and solid-state emitter. Analytica Chimica Acta, 2021, 1178, 338807.	5.4	16
10	A Schiffâ€Base Molecular Keypad LockandTurnâ€On Sensor for Selective Detection of Fe 3+ with INHIBIT Logic Behaviour. ChemistrySelect, 2021, 6, 12323-12330.	1.5	3
11	Structure elaboration of isoniazid: synthesis, in silico molecular docking and antimycobacterial activity of isoniazidâ€“pyrimidine conjugates. Molecular Diversity, 2020, 24, 949-955.	3.9	6
12	Molecular Design and Synthesis of Ivermectin Hybrids Targeting Hepatic and Erythrocytic Stages of Plasmodium Parasites. Journal of Medicinal Chemistry, 2020, 63, 1750-1762.	6.4	24
13	Non-linear optical behavior of benzothiazole based chromophores: Second harmonic generation. Dyes and Pigments, 2020, 183, 108739.	3.7	3
14	2-(2â€²-Hydroxyphenyl)benzothiazole derivatives: Emission and color tuning. Dyes and Pigments, 2020, 176, 108198.	3.7	21
15	Recent advances in the application of BODIPY in bioimaging and chemosensing. Journal of Materials Chemistry C, 2019, 7, 11361-11405.	5.5	149
16	The hybrid antimalarial approach. Annual Reports in Medicinal Chemistry, 2019, 53, 73-105.	0.9	3
17	Theoretical Approach towards the Investigation of Linear and Secondâ€Order Nonlinear Optical Behavior of Ferroceneâ€Diketopyrrolopyrrole Dyads. ChemistrySelect, 2019, 4, 12841-12847.	1.5	2
18	Synthesis, In Silico Molecular Docking, ADME Evaluation and In Vitro Antiplasmodial Activity of Pyrimidineâ€Based Hybrid Molecules. ChemistrySelect, 2019, 4, 12556-12561.	1.5	3

#	Article	IF	Citations
19	Aggregation tailored emission of a benzothiazole based derivative: photostable turn on bioimaging. RSC Advances, 2019, 9, 39970-39975.	3.6	16
20	Excitation wavelength based reversible multicolour photoluminescence by a single chromophore upon aggregation: Detection of picric acid-application in bioimaging. Sensors and Actuators B: Chemical, 2019, 281, 613-622.	7.8	27
21	Pyrimidine-chloroquinoline hybrids: Synthesis and antiplasmodial activity. European Journal of Medicinal Chemistry, 2018, 148, 39-53.	5.5	44
22	Selective and reversible recognition of Hg2+ ions by Tetrathia[22]porphyrin(2.1.2.1). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 205, 534-539.	3.9	5
23	Hg2+ triggered â€˜off state-on stateâ€™ conversion of a dipyrene derivative: Application to soft material. Sensors and Actuators B: Chemical, 2017, 244, 299-306.	7.8	4
24	A cyanostilbene-boronate based AIEE probe for hydrogen peroxideâ€”Application in chemical processing. Sensors and Actuators B: Chemical, 2017, 245, 95-103.	7.8	17
25	Ferrocene chromophores continue to inspire. Fine-tuning and switching of the second-order nonlinear optical response. Coordination Chemistry Reviews, 2017, 343, 185-219.	18.8	71
26	Second-order nonlinear polarizability of ferroceneâ€“BODIPY donorâ€“acceptor adducts. Quantifying charge redistribution in the excited state. Dalton Transactions, 2017, 46, 1124-1133.	3.3	10
27	Multifunctional geometrical isomers of ferrocene-benzo[1,2-b:4,5-bâ€²]difuran-2,6-(3H,7H)-dione adducts: second-order nonlinear optical behaviour and charge transport in thin film OFET devices. Journal of Materials Chemistry C, 2017, 5, 697-708.	5.5	17
28	Thermally stable ferrocene-Î±-cyanostilbenes as efficient materials for second order nonlinear optical polarizability. RSC Advances, 2016, 6, 50688-50696.	3.6	18
29	Ferrocene-BODIPY Pushâ€“Pull dyad: A common platform for the sensing of Hg 2+ and Cr 3+. Sensors and Actuators B: Chemical, 2016, 229, 499-505.	7.8	43
30	Synthesis, characterization and second-order nonlinear optical behaviour of ferroceneâ€“diketopyrrolopyrrole dyads: the effect of alkene vs. alkyne linkers. Journal of Materials Chemistry C, 2016, 4, 9717-9726.	5.5	13
31	Third-order nonlinear optical response and ultrafast dynamics of tetraoxa[22]porphyrin(2.1.2.1)s. Journal of Materials Chemistry C, 2016, 4, 9445-9453.	5.5	22
32	Indole-BODIPY: a â€œturn-onâ€•chemosensor for Hg²⁺ with application in live cell imaging. RSC Advances, 2016, 6, 82810-82816.	3.6	22
33	Nonlinear absorption in tetrathia[22]porphyrin(2.1.2.1)s: visualizing strong reverse saturable absorption at non-resonant excitation. RSC Advances, 2016, 6, 22659-22663.	3.6	12
34	Pyrimidine-based antimalarials: design strategies and antiplasmodial effects. MedChemComm, 2016, 7, 749-768.	3.4	64
35	Ferrocene-pyrimidine conjugates: Synthesis, electrochemistry, physicochemical properties and antiplasmodial activities. European Journal of Medicinal Chemistry, 2015, 100, 1-9.	5.5	39
36	Pyrene-based chemosensor detects picric acid upto attogram level through aggregation enhanced excimer emission. Analytica Chimica Acta, 2015, 864, 55-63.	5.4	55

#	Article	IF	Citations
37	Primaquineâ€“pyrimidine hybrids: Synthesis and dual-stage antiplasmodial activity. European Journal of Medicinal Chemistry, 2015, 101, 266-273.	5.5	47
38	meso-Di(heteroaryl)methanes: versatile building blocks ofÂporphyrinoids. Tetrahedron, 2015, 71, 8373-8390.	1.9	9
39	Synthesis, antiplasmodial activity and mechanistic studies of pyrimidine-5-carbonitrile and quinoline hybrids. European Journal of Medicinal Chemistry, 2015, 101, 52-62.	5.5	29
40	Synthesis, linear and nonlinear optical properties of thermally stable ferrocene-diketopyrrolopyrrole dyads. RSC Advances, 2015, 5, 84643-84656.	3.6	32
41	A probe with aggregation induced emission characteristics for screening of iodide. Dalton Transactions, 2015, 44, 16233-16237.	3.3	15
42	A fluorescent probe for the detection of Hg2+: Shift from â€œon-state Aâ€•to â€œon-state Bâ€• Talanta, 2014, 130, 571-576.	5.5	13
43	Quinolineâ€“Pyrimidine Hybrids: Synthesis, Antiplasmodial Activity, SAR, and Mode of Action Studies. Journal of Medicinal Chemistry, 2014, 57, 435-448.	6.4	97
44	A dioxadithiaazacrown etherâ€“BODIPY dyad Hg²⁺ complex for detection of <scp>l</scp>-cysteine: fluorescence switching and application to soft material. RSC Advances, 2014, 4, 29340-29343.	3.6	16
45	Sulphur bridged [22]annulene[2.1.2.1] based organic field-effect transistors: interplay of the steric bulk and charge transport. RSC Advances, 2014, 4, 37503-37509.	3.6	3
46	Regioselective, Direct mesoâ€Functionalization of Sulfurâ€Bridged 5,16â€Dihydro[22]annulene(2.1.2.1). European Journal of Organic Chemistry, 2014, 2014, 381-386.	2.4	1
47	â€˜Turn-onâ€™ coordination based detection of Pd²⁺and bioimaging applications. RSC Advances, 2014, 4, 16104-16108.	3.6	39
48	Supramolecular analyte recognition: experiment and theory interplay. RSC Advances, 2014, 4, 11980-11999.	3.6	10
49	Highly Regioselective Addition of Organozinc Reagents to 2â€Oxoâ€1,2â€dihydropyrimidineâ€5â€carboxylates Activated by BF₃Â·OEt₂: Synthesis of 2â€Oxoâ€1,2,3,4â€tetrahydropyrimidineâ€5â€carboxylates. European Journal of Organic Chemistry, 2013, 2013, 6124-6129.	2.4	6
50	Regioselective synthesis of 6-substituted-2-amino-5-bromo-4(3H)-pyrimidinones and evaluation of their antiviral activity. European Journal of Medicinal Chemistry, 2013, 67, 428-433.	5.5	9
51	Fullerene/Sulfur-Bridged Annulene Cocrystals: Two-Dimensional Segregated Heterojunctions with Ambipolar Transport Properties and Photoresponsivity. Journal of the American Chemical Society, 2013, 135, 558-561.	13.7	174
52	Synthesis of 4-aminoquinolineâ€“pyrimidine hybrids as potent antimalarials and their mode of action studies. European Journal of Medicinal Chemistry, 2013, 66, 314-323.	5.5	49
53	Neutral tetrathia[22]annulene[2.1.2.1] based field-effect transistors: improved on/off ratio defies ring puckering. Chemical Communications, 2012, 48, 12174.	4.1	20
54	Oxygen bridged neutral annulenes: a novel class of materials for organic field-effect transistors. Chemical Communications, 2012, 48, 121-123.	4.1	21

#	Article	IF	Citations
55	Thermally stable ferrocenyl â€œpushâ€“pullâ€•chromophores with tailorable and switchable second-order non-linear optical response: synthesis and structureâ€“property relationship. Journal of Materials Chemistry, 2012, 22, 10597.	6.7	51
56	Biginelli Condensation: Synthesis and Structure Diversification of 3,4-Dihydropyrimidin-2(1H)-one Derivatives. Advances in Heterocyclic Chemistry, 2012, , 223-308.	1.7	37
57	Sulfurâ€Bridged Annuleneâ€TCNQ Coâ€Crystal: A Selfâ€Assembled â€˜Molecular Level Heterojunctionâ€™â€™ with Air Stable Ambipolar Charge Transport Behavior. Advanced Materials, 2012, 24, 2603-2607.	21.0	207
58	2-Aminopyrimidine based 4-aminoquinoline anti-plasmodial agents. Synthesis, biological activity, structureâ€“activity relationship and mode of action studies. European Journal of Medicinal Chemistry, 2012, 52, 82-97.	5.5	66
59	New sulfur bridged neutral annulenes. Structure, physical properties and applications in organic field-effect transistors. Chemical Communications, 2011, 47, 905-907.	4.1	48
60	Facile transformation of Biginelli pyrimidin-2(1H)-ones to pyrimidines. In vitro evaluation as inhibitors of Mycobacterium tuberculosis and modulators of cytostatic activity. European Journal of Medicinal Chemistry, 2011, 46, 2290-2294.	5.5	66
61	N1-Alkylated 3,4-dihydropyrimidine-2(1H)-ones: Convenient one-pot selective synthesis and evaluation of their calcium channel blocking activity. European Journal of Medicinal Chemistry, 2009, 44, 1997-2001.	5.5	58
62	An Efficacious Protocol for the Oxidation of 3,4-Dihydropyrimidin-2(1H)-ones using Pyridinium Chlorochromate as Catalyst. Australian Journal of Chemistry, 2008, 61, 910.	0.9	18
63	An expedient protocol of the Biginelli dihydropyrimidine synthesis using carbonyl equivalents. Tetrahedron, 1999, 55, 12873-12880.	1.9	68