

# 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	Sulfur-Bridged Annulene-TCNQ Co-Crystal: A Self-Assembled Molecular Level Heterojunction with Air Stable Ambipolar Charge Transport Behavior. <i>Advanced Materials</i> , 2012, 24, 2603-2607.	21.0	207
2	Fullerene/Sulfur-Bridged Annulene Cocrystals: Two-Dimensional Segregated Heterojunctions with Ambipolar Transport Properties and Photoresponsivity. <i>Journal of the American Chemical Society</i> , 2013, 135, 558-561.	13.7	174
3	Recent advances in the application of BODIPY in bioimaging and chemosensing. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11361-11405.	5.5	149
4	Quinoline-Pyrimidine Hybrids: Synthesis, Antiplasmodial Activity, SAR, and Mode of Action Studies. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 435-448.	6.4	97
5	Ferrocene chromophores continue to inspire. Fine-tuning and switching of the second-order nonlinear optical response. <i>Coordination Chemistry Reviews</i> , 2017, 343, 185-219.	18.8	71
6	An expedient protocol of the Biginelli dihydropyrimidine synthesis using carbonyl equivalents. <i>Tetrahedron</i> , 1999, 55, 12873-12880.	1.9	68
7	Facile transformation of Biginelli pyrimidin-2(1H)-ones to pyrimidines. In vitro evaluation as inhibitors of <i>Mycobacterium tuberculosis</i> and modulators of cytostatic activity. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 2290-2294.	5.5	66
8	2-Aminopyrimidine based 4-aminoquinoline anti-plasmodial agents. Synthesis, biological activity, structure-activity relationship and mode of action studies. <i>European Journal of Medicinal Chemistry</i> , 2012, 52, 82-97.	5.5	66
9	Pyrimidine-based antimalarials: design strategies and antiplasmodial effects. <i>MedChemComm</i> , 2016, 7, 749-768.	3.4	64
10	N1-Alkylated 3,4-dihydropyrimidine-2(1H)-ones: Convenient one-pot selective synthesis and evaluation of their calcium channel blocking activity. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 1997-2001.	5.5	58
11	Pyrene-based chemosensor detects picric acid upto attogram level through aggregation enhanced excimer emission. <i>Analytica Chimica Acta</i> , 2015, 864, 55-63.	5.4	55
12	Thermally stable ferrocenyl push-pull chromophores with tailorable and switchable second-order non-linear optical response: synthesis and structure-property relationship. <i>Journal of Materials Chemistry</i> , 2012, 22, 10597.	6.7	51
13	Synthesis of 4-aminoquinoline-pyrimidine hybrids as potent antimalarials and their mode of action studies. <i>European Journal of Medicinal Chemistry</i> , 2013, 66, 314-323.	5.5	49
14	New sulfur bridged neutral annulenes. Structure, physical properties and applications in organic field-effect transistors. <i>Chemical Communications</i> , 2011, 47, 905-907.	4.1	48
15	Primaquine-pyrimidine hybrids: Synthesis and dual-stage antiplasmodial activity. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 266-273.	5.5	47
16	Pyrimidine-chloroquinoline hybrids: Synthesis and antiplasmodial activity. <i>European Journal of Medicinal Chemistry</i> , 2018, 148, 39-53.	5.5	44
17	Ferrocene-BODIPY Push-Pull dyad: A common platform for the sensing of Hg <sup>2+</sup> and Cr <sup>3+</sup> . <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 499-505.	7.8	43
18	Turn-on coordination based detection of Pd <sup>2+</sup> and bioimaging applications. <i>RSC Advances</i> , 2014, 4, 16104-16108.	3.6	39

#	ARTICLE	IF	CITATIONS
19	Ferrocene-pyrimidine conjugates: Synthesis, electrochemistry, physicochemical properties and antiplasmodial activities. <i>European Journal of Medicinal Chemistry</i> , 2015, 100, 1-9.	5.5	39
20	Biginelli Condensation: Synthesis and Structure Diversification of 3,4-Dihydropyrimidin-2(1H)-one Derivatives. <i>Advances in Heterocyclic Chemistry</i> , 2012, , 223-308.	1.7	37
21	Synthesis, linear and nonlinear optical properties of thermally stable ferrocene-diketopyrrolopyrrole dyads. <i>RSC Advances</i> , 2015, 5, 84643-84656.	3.6	32
22	Synthesis, antiplasmodial activity and mechanistic studies of pyrimidine-5-carbonitrile and quinoline hybrids. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 52-62.	5.5	29
23	Excitation wavelength based reversible multicolour photoluminescence by a single chromophore upon aggregation: Detection of picric acid-application in bioimaging. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 613-622.	7.8	27
24	Molecular Design and Synthesis of Ivermectin Hybrids Targeting Hepatic and Erythrocytic Stages of <i>Plasmodium</i> Parasites. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 1750-1762.	6.4	24
25	Third-order nonlinear optical response and ultrafast dynamics of tetraoxa[22]porphyrin(2.1.2.1)s. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9445-9453.	5.5	22
26	Indole-BODIPY: a chemosensor for Hg <sup>2+</sup> with application in live cell imaging. <i>RSC Advances</i> , 2016, 6, 82810-82816.	3.6	22
27	Oxygen bridged neutral annulenes: a novel class of materials for organic field-effect transistors. <i>Chemical Communications</i> , 2012, 48, 121-123.	4.1	21
28	2-(2-Hydroxyphenyl)benzothiazole derivatives: Emission and color tuning. <i>Dyes and Pigments</i> , 2020, 176, 108198.	3.7	21
29	Neutral tetrathia[22]annulene[2.1.2.1] based field-effect transistors: improved on/off ratio defies ring puckering. <i>Chemical Communications</i> , 2012, 48, 12174.	4.1	20
30	An Efficacious Protocol for the Oxidation of 3,4-Dihydropyrimidin-2(1H)-ones using Pyridinium Chlorochromate as Catalyst. <i>Australian Journal of Chemistry</i> , 2008, 61, 910.	0.9	18
31	Thermally stable ferrocene- $\pi$ -cyanostilbenes as efficient materials for second order nonlinear optical polarizability. <i>RSC Advances</i> , 2016, 6, 50688-50696.	3.6	18
32	A cyanostilbene-boronate based AIEE probe for hydrogen peroxide Application in chemical processing. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 95-103.	7.8	17
33	Multifunctional geometrical isomers of ferrocene-benzo[1,2-b:4,5-b']difuran-2,6-(3H,7H)-dione adducts: second-order nonlinear optical behaviour and charge transport in thin film OFET devices. <i>Journal of Materials Chemistry C</i> , 2017, 5, 697-708.	5.5	17
34	A dioxadithiaazacrown ether "BODIPY dyad Hg <sup>2+</sup> complex for detection of cysteine: fluorescence switching and application to soft material. <i>RSC Advances</i> , 2014, 4, 29340-29343.	3.6	16
35	Aggregation tailored emission of a benzothiazole based derivative: photostable turn on bioimaging. <i>RSC Advances</i> , 2019, 9, 39970-39975.	3.6	16
36	A bis-pyrene chalcone based fluorescent material for ratiometric sensing of hydrazine: An acid/base molecular switch and solid-state emitter. <i>Analytica Chimica Acta</i> , 2021, 1178, 338807.	5.4	16

#	ARTICLE	IF	CITATIONS
37	A probe with aggregation induced emission characteristics for screening of iodide. Dalton Transactions, 2015, 44, 16233-16237.	3.3	15
38	Thiazolothiazole based donor- $\pi$ -acceptor fluorophore: Protonation/deprotonation triggered molecular switch, sensing and bio-imaging applications. Analytica Chimica Acta, 2022, 1206, 339776.	5.4	14
39	A fluorescent probe for the detection of Hg <sup>2+</sup> : Shift from $\pi$ -conjugated state to $\pi$ -conjugated state. Talanta, 2014, 130, 571-576.	5.5	13
40	Synthesis, characterization and second-order nonlinear optical behaviour of ferrocene-diketopyrrolopyrrole dyads: the effect of alkene vs. alkyne linkers. Journal of Materials Chemistry C, 2016, 4, 9717-9726.	5.5	13
41	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
42	N-alkyl isatin derivatives: Synthesis, nematocidal evaluation and protein target identifications for their mode of action. Pesticide Biochemistry and Physiology, 2021, 171, 104736.	3.6	12
43	Ivermectin: A Promising Therapeutic for Fighting Malaria. Current Status and Perspective. Journal of Medicinal Chemistry, 2021, 64, 9711-9731.	6.4	11
44	Supramolecular analyte recognition: experiment and theory interplay. RSC Advances, 2014, 4, 11980-11999.	3.6	10
45	Second-order nonlinear polarizability of ferrocene-BODIPY donor-acceptor adducts. Quantifying charge redistribution in the excited state. Dalton Transactions, 2017, 46, 1124-1133.	3.3	10
46	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
47	meso-Di(heteroaryl)methanes: versatile building blocks of porphyrinoids. Tetrahedron, 2015, 71, 8373-8390.	1.9	9
48	Second-order nonlinear polarizability of $\pi$ -push-pull chromophores. A decade of progress in donor- $\pi$ -acceptor materials. Chemical Record, 2022, 22, e202200024.	5.8	9
49	Synthesis, linear and non-linear optical properties of $\pi$ -push-pull chromophores based on 9,9-dimethyl-9H-fluoren-2-amine. Dyes and Pigments, 2022, 200, 110160.	3.7	7
50	Highly Regioselective Addition of Organozinc Reagents to 2-oxo-1,2-dihydropyrimidine-5-carboxylates Activated by BF <sub>3</sub> ·OEt <sub>2</sub> : Synthesis of 2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylates. European Journal of Organic Chemistry, 2013, 2013, 6124-6129.	2.4	6
51	Structure elaboration of isoniazid: synthesis, in silico molecular docking and antimycobacterial activity of isoniazid-pyrimidine conjugates. Molecular Diversity, 2020, 24, 949-955.	3.9	6
52	Selective and reversible recognition of Hg <sup>2+</sup> ions by Tetrathia[22]porphyrin(2.1.2.1). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 205, 534-539.	3.9	5
53	Hg <sup>2+</sup> triggered $\pi$ -off state-on state <sup>TM</sup> conversion of a dipyrrene derivative: Application to soft material. Sensors and Actuators B: Chemical, 2017, 244, 299-306.	7.8	4
54	Synthesis and antiplasmodial activity of regioisomers and epimers of second-generation dual acting ivermectin hybrids. Scientific Reports, 2022, 12, 564.	3.3	4

#	ARTICLE	IF	CITATIONS
55	Quinolineâ€Dihydropyrimidinâ€2(1<i>H</i>)â€one Hybrids: Synthesis, Biological Activity, and Mechanistic Studies. ChemMedChem, 2022, 17, .	3.2	4
56	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
57	The hybrid antimalarial approach. Annual Reports in Medicinal Chemistry, 2019, 53, 73-105.	0.9	3
58	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
59	Non-linear optical behavior of benzothiazole based chromophores: Second harmonic generation. Dyes and Pigments, 2020, 183, 108739.	3.7	3
60	A fluorene based probe: Synthesis and â€œturn-onâ€ water sensitivity of the in-situ formed Cu <sup>2+</sup> complex: Application in bio-imaging. Analytica Chimica Acta, 2022, 1189, 339211.	5.4	3
61	A Schiffâ€Base Molecular Keypad LockandTurnâ€On Sensor for Selective Detection of Fe <sup>3+</sup> with INHIBIT Logic Behaviour. ChemistrySelect, 2021, 6, 12323-12330.	1.5	3
62	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
63	Regioselective, Direct <i>meso</i>â€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