Jatinder Kaur

List of Publications by Year
in descending order

39 papers	11,508 citations	489802 18 h-index	340414 39 g-index
42 all docs	42 docs citations	42 times ranked	32458 citing authors

#	Article	IF	Citations
1	Critical Review of Bioadsorption on Modified Cellulose and Removal of Divalent Heavy Metals (Cd, Pb,) Tj ETQq1 1 0.784314 rgBT /Over	1.8	54
2	Optimization of a Pyrimidinone Series for Selective Inhibition of Ca²⁺/Calmodulin-Stimulated Adenylyl Cyclase 1 Activity for the Treatment of Chronic Pain. Journal of Medicinal Chemistry, 2022, 65, 4667-4686.	2.9	3
3	Novel therapeutic heterocycles as selective cyclooxygenase-2 inhibitors and anti-cancer agents: Synthesis, in vitro bioassay screenings, and molecular docking studies. Journal of Molecular Structure, 2022, 1263, 133141.	1.8	5
4	Fluorine-18 Labelled Radioligands for PET Imaging of Cyclooxygenase-2. Molecules, 2022, 27, 3722.	1.7	1
5	In Cellulo Generation of Fluorescent Probes for Liveâ€Cell Imaging of Cylooxygenaseâ€2. Chemistry - A European Journal, 2021, 27, 3326-3337.	1.7	4
6	Synthesis and Biological Evaluation of 1,3,5â€Trisubstituted 2â€Pyrazolines as Novel Cyclooxygenaseâ€2 Inhibitors with Antiproliferative Activity. Chemistry and Biodiversity, 2021, 18, e2000832.	1.0	4
7	Structureâ€“Activity Relationship Studies of Acetazolamide-Based Carbonic Anhydrase Inhibitors with Activity against Neisseria gonorrhoeae. ACS Infectious Diseases, 2021, 7, 1969-1984.	1.8	48
8	Development of Fluorescence Imaging Probes for Labeling COX-1 in Live Ovarian Cancer Cells. ACS Medicinal Chemistry Letters, 2021, 12, 798-804.	1.3	5
9	Cu(II) complexes of hydrazonesâ€“NSAID conjugates: synthesis, characterization and anticancer activity. Journal of Coordination Chemistry, 2020, 73, 3186-3202.	0.8	4
10	Optimization of Acetazolamide-Based Scaffold as Potent Inhibitors of Vancomycin-Resistant Enterococcus. Journal of Medicinal Chemistry, 2020, 63, 9540-9562.	2.9	57
11	Optimization of a 1,3,4-oxadiazole series for inhibition of Ca2+/calmodulin-stimulated activity of adenylyl cyclases 1 and 8 for the treatment of chronic pain. European Journal of Medicinal Chemistry, 2019, 162, 568-585.	2.6	22
12	Glutathione S-Transferase Ï€-Activatable O²-(Sulfonylethyl Derived) Diazeniumdiolates Potently Suppress Melanoma in Vitro and in Vivo. Journal of Medicinal Chemistry, 2018, 61, 1833-1844.	2.9	17
13	Fluorescent Hexose Conjugates Establish Stringent Stereochemical Requirement by GLUT5 for Recognition and Transport of Monosaccharides. ACS Chemical Biology, 2017, 12, 1087-1094.	1.6	16
14	In situ click chemistry generation of cyclooxygenase-2 inhibitors. Nature Communications, 2017, 8, 1.	5.8	10,736
15	Ruthenium(II) complexes of aroylhydrazones: structural, electrochemical and electrostatic interactions with DNA. Journal of Coordination Chemistry, 2017, 70, 1667-1682.	0.8	2
16	Pyrimidine-based fluorescent COX-2 inhibitors: synthesis and biological evaluation. Organic and Biomolecular Chemistry, 2016, 14, 7250-7257.	1.5	11
17	Design, Synthesis, and Evaluation of an ¹⁸Fâ€Labeled Radiotracer Based on Celecoxibâ€“NBD for Positron Emission Tomography (PET) Imaging of Cyclooxygenaseâ€2 (COXâ€2). ChemMedChem, 2015, 10, 1635-1640.	1.6	27
18	Synthesis, bioassay studies, and molecular docking of novel 5-substituted 1H tetrazoles as cyclooxygenase-2 (COX-2) inhibitors. Medicinal Chemistry Research, 2015, 24, 78-85.	1.1	17

#	Article	IF	Citations
19	Fluorophoreâ€Labeled Cyclooxygenaseâ€2 Inhibitors for the Imaging of Cyclooxygenaseâ€2 Overexpression in Cancer: Synthesis and Biological Studies. ChemMedChem, 2014, 9, 109-116.	1.6	36
20	Do nitric oxide-releasing drugs offer a potentially new paradigm for the management of cardiovascular risks in diabetes?. Expert Review of Cardiovascular Therapy, 2014, 12, 533-536.	0.6	3
21	Hybrid fluorescent conjugates of COX-2 inhibitors: Search for a COX-2 isozyme imaging cancer biomarker. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 163-168.	1.0	37
22	Synthesis of three 18F-labelled cyclooxygenase-2 (COX-2) inhibitors based on a pyrimidine scaffold. Organic and Biomolecular Chemistry, 2013, 11, 8052.	1.5	28
23	A diazen-1-ium-1,2-diolate analog of 7-azabenzobicyclo[2.2.1]heptane: Synthesis, nitric oxide and nitroxyl release, in vitro hemodynamic, and anti-hypertensive studies. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 2769-2774.	1.0	2
24	Can nitric oxide-releasing hybrid drugs alleviate adverse cardiovascular risks?. Future Medicinal Chemistry, 2013, 5, 381-383.	1.1	4
25	1,4-Diaryl-substituted triazoles as cyclooxygenase-2 inhibitors: Synthesis, biological evaluation and molecular modeling studies. Bioorganic and Medicinal Chemistry, 2013, 21, 4288-4295.	1.4	14
26	Synthesis and Biological Investigations of Nitric Oxide Releasing Nateglinide and Meglitinide Type II Antidiabetic Prodrugs: In-Vivo Antihyperglycemic Activities and Blood Pressure Lowering Studies. Journal of Medicinal Chemistry, 2012, 55, 7883-7891.	2.9	33
27	O²-Sulfonylethyl Protected Isopropylamine Diazen-1-ium-1,2-diolates as Nitroxyl (HNO) Donors: Synthesis, Î²-Elimination Fragmentation, HNO Release, Positive Inotropic Properties, and Blood Pressure Lowering Studies. Journal of Medicinal Chemistry, 2012, 55, 10262-10271.	2.9	19
28	Cardiovascular Properties of a Nitric Oxide Releasing Rofecoxib Analogue: Beneficial Antiâ€hypertensive Activity and Enhanced Recovery in an Ischemic Reperfusion Injury Model. ChemMedChem, 2012, 7, 1365-1368.	1.6	17
29	N-1 and C-3 substituted indole Schiff bases as selective COX-2 inhibitors: Synthesis and biological evaluation. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 2154-2159.	1.0	41
30	Rofecoxib Analogues Possessing a Nitric Oxide Donor Sulfohydroxamic Acid (SO₂NHOH) Cyclooxygenaseâ€2 Pharmacophore: Synthesis, Molecular Modeling, and Biological Evaluation as Antiâ€inflammatory Agents. ChemMedChem, 2012, 7, 62-67.	1.6	24
31	Aspirin Analogues as Dual Cyclooxygenaseâ€2/5â€Lipoxygenase Inhibitors: Synthesis, Nitric Oxide Release, Molecular Modeling, and Biological Evaluation as Antiâ€inflammatory Agents. ChemMedChem, 2012, 7, 144-150.	1.6	20
32	ATP selective acridone based fluorescent probes for monitoring of metabolic events. Chemical Communications, 2011, 47, 4472.	2.2	38
33	Isomeric acetoxy analogs of celecoxib and their evaluation as cyclooxygenase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6074-6080.	1.0	11
34	Acridine derivatives: a patent review (2009 â€“ 2010). Expert Opinion on Therapeutic Patents, 2011, 21, 437-454.	2.4	24
35	Acridone based Cu2+â€“Fâ^'/Fâ^'â€“Cu2+ responsive ON/OFF key pad. Sensors and Actuators B: Chemical, 2010, 150, 50-56.	4.0	26
36	Targeting efflux pumpsâ€"In vitro investigations with acridone derivatives and identification of a lead molecule for MDR modulation. Bioorganic and Medicinal Chemistry, 2010, 18, 4212-4223.	1.4	15

#	Article	IF	Citations
37	Synthesis of highly functionalized barbituric acids and study of their interactions with p-glycoprotein and Mg2+ â€“ Potential candidates for multi drug resistance modulation. European Journal of Medicinal Chemistry, 2010, 45, 1256-1262.	2.6	18
38	Design, synthesis and evaluations of acridone derivatives using Candida albicansâ€”Search for MDR modulators led to the identification of an anti-candidiasis agent. Bioorganic and Medicinal Chemistry, 2009, 17, 3973-3979.	1.4	30
39	Search for MDR modulators: Design, syntheses and evaluations of N-substituted acridones for interactions with p-glycoprotein and Mg2+. Bioorganic and Medicinal Chemistry, 2009, 17, 2423-2427.	1.4	35