Rajbir Bhatti

List of Publications by Year
in descending order

47	838	516710 16	552781 26
papers	citations	h-index	g-index

47	47	47	1144
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ameliorative Effect of the Cinnamon Oil fromCinnamomum zeylanicumupon Early Stage Diabetic Nephropathy. Planta Medica, 2010, 76, 412-417.	1.3	72
2	Rational design, synthesis and evaluation of chromone-indole and chromone-pyrazole based conjugates: Identification of a lead for anti-inflammatory drug. European Journal of Medicinal Chemistry, 2014, 77, 185-192.	5.5	68
3	Indole based peptidomimetics as anti-inflammatory and anti-hyperalgesic agents: Dual inhibition of 5-LOX and COX-2 enzymes. European Journal of Medicinal Chemistry, 2015, 97, 104-123.	5.5	49
4	Triblock Conjugates: Identification of a Highly Potent Antiinflammatory Agent. Journal of Medicinal Chemistry, 2015, 58, 5989-6001.	6.4	39
5	TNF-Î± and IL-6 inhibitors: Conjugates of N-substituted indole and aminophenylmorpholin-3-one as anti-inflammatory agents. European Journal of Medicinal Chemistry, 2017, 140, 92-103.	5.5	38
6	Bergapten Ameliorates Vincristine-Induced Peripheral Neuropathy by Inhibition of Inflammatory Cytokines and NFÎºB Signaling. ACS Chemical Neuroscience, 2019, 10, 3008-3017.	3.5	38
7	Possible Molecular Mediators Involved and Mechanistic Insight into Fibromyalgia and Associated Co-morbidities. Neurochemical Research, 2019, 44, 1517-1532.	3.3	31
8	Ameliorative effect of imperatorin in chemically induced fibromyalgia: Role of NMDA/NFkB mediated downstream signaling. Biochemical Pharmacology, 2019, 166, 56-69.	4.4	29
9	Role of progesterone in melatonin-mediated protection against acute kidney injury. Journal of Surgical Research, 2014, 191, 441-447.	1.6	27
10	Osthole ameliorates neurogenic and inflammatory hyperalgesia by modulation of iNOS, COX-2, and inflammatory cytokines in mice. Inflammopharmacology, 2019, 27, 949-960.	3.9	27
11	Solubilization of hydrophobic drugs clozapine and oxcarbazepine in the lower and higher molecular weight pluronic mixed micelles-a physicochemical, In vitro release and In vitro anti-oxidant study. Journal of Molecular Liquids, 2020, 317, 113816.	4.9	27
12	Explicit role of peroxisome proliferatorâ€“activated receptor gamma in gallic acidâ€“mediated protection against ischemia-reperfusionâ€“induced acute kidney injury in rats. Journal of Surgical Research, 2014, 187, 631-639.	1.6	25
13	Rational Design of Small Peptides for Optimal Inhibition of Cyclooxygenase-2: Development of a Highly Effective Anti-Inflammatory Agent. Journal of Medicinal Chemistry, 2016, 59, 3920-3934.	6.4	25
14	Tailoring the Substitution Pattern on 1,3,5-Triazine for Targeting Cyclooxygenase-2: Discovery and Structureâ€“Activity Relationship of Triazineâ€“4-Aminophenylmorpholin-3-one Hybrids that Reverse Algesia and Inflammation in Swiss Albino Mice. Journal of Medicinal Chemistry, 2018, 61, 7929-7941.	6.4	21
15	Ameliorative effect ofAegle marmelosleaf extract on early stage alloxan-induced diabetic cardiomyopathy in rats. Pharmaceutical Biology, 2011, 49, 1137-1143.	2.9	20
16	Bergapten inhibits chemically induced nociceptive behavior and inflammation in mice by decreasing the expression of spinal PARP, iNOS, COX-2 and inflammatory cytokines. Inflammopharmacology, 2019, 27, 749-760.	3.9	20
17	Anti-nociceptive and anti-inflammatory effect of imperatorin: evidences for involvement of COX-2, iNOS, NFÎºB and inflammatory cytokines. International Journal of Neuroscience, 2020, 130, 176-185.	1.6	17
18	Rationally designed hybrid molecules with appreciable COX-2 inhibitory and anti-nociceptive activities. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 77-82.	2.2	16

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19	Design and Synthesis of Aza-/Oxa Heterocycle-Based Conjugates as Novel Anti-Inflammatory Agents Targeting Cyclooxygenase-2. ACS Omega, 2018, 3, 5825-5845.	3.5	16
20	Protective Effect of Esculetin, Natural Coumarin in Mice Model of Fibromyalgia: Targeting Pro-Inflammatory Cytokines and MAO-A. Neurochemical Research, 2020, 45, 2364-2374.	3.3	16
21	1H-1,2,3-triazole grafted tacrine-chalcone conjugates as potential cholinesterase inhibitors with the evaluation of their behavioral tests and oxidative stress in mice brain cells. Bioorganic Chemistry, 2021, 114, 105053.	4.1	16
22	Mechanistic interplay of various mediators involved in mediating the neuroprotective effect of daphnetin. Pharmacological Reports, 2021, 73, 1220-1229.	3.3	15
23	Understanding the phytochemistry and molecular insights to the pharmacology of Angelica archangelica L. (garden angelica) and its bioactive components. Phytotherapy Research, 2021, 35, 5961-5979.	5.8	14
24	Rationally designed benzopyran fused isoxazolidines and derived Î² 2,3,3 -amino alcohols as potent analgesics: Synthesis, biological evaluation and molecular docking analysis. European Journal of Medicinal Chemistry, 2017, 127, 210-222.	5.5	13
25	Indolyl-isoxazolidines attenuate LPS-stimulated pro-inflammatory cytokines and increase survival in a mouse model of sepsis: Identification of potent lead. European Journal of Medicinal Chemistry, 2018, 153, 56-64.	5.5	13
26	InSilicoStudies andIn VivoMAOAInhibitory Activity of Coumarins Isolated fromAngelica archangelicaExtract: An Approach toward Antidepressant Activity. ACS Omega, 2020, 5, 15069-15076.	3.5	13
27	An endophytic Schizophyllum commune Fr. exhibits in-vitro and in-vivo antidiabetic activity in streptozotocin induced diabetic rats. AMB Express, 2021, 11, 58.	3.0	13
28	Skimmetin/osthole mitigates pain-depression dyad via inhibiting inflammatory and oxidative stress-mediated neurotransmitter dysregulation. Metabolic Brain Disease, 2021, 36, 111-121.	2.9	11
29	The effect of <i> Allium sativum</i> on ischemic preconditioning and ischemia reperfusion induced cardiac injury. Indian Journal of Pharmacology, 2008, 40, 261.	0.7	10
30	Experimental design optimization for electrochemical removal of gentamicin: toxicity evaluation and degradation pathway. Water Science and Technology, 2013, 67, 2017-2024.	2.5	9
31	Synergy of Physico-chemical and Biological Experiments for Developing a Cyclooxygenase-2 Inhibitor. Scientific Reports, 2018, 8, 10005.	3.3	9
32	Comparison of ambient air pollution levels of Amritsar during foggy conditions with that of five major north Indian cities: multivariate analysis and air mass back trajectories. SN Applied Sciences, 2020, 2, 1.	2.9	8
33	Mercurius solubilis attenuates scopolamine-induced memory deficits and enhances the motor coordination in mice. International Journal of Neuroscience, 2018, 128, 219-230.	1.6	7
34	Engineered Substrate for Cyclooxygenase-2: A Pentapeptide Isoconformational to Arachidonic Acid for Managing Inflammation. Journal of Medicinal Chemistry, 2019, 62, 6363-6376.	6.4	7
35	Daphnetin, a natural coumarin averts reserpine-induced fibromyalgia in mice: modulation of MAO-A. Experimental Brain Research, 2021, 239, 1451-1463.	1.5	7
36	Possible Involvement of PPAR-Î³ in the Anticonvulsant Effect of Aegle marmelos (L.) Correa. Neurochemical Research, 2013, 38, 1624-1631.	3.3	6

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37	Optimization of extraction conditions of Angelica archangelica extract and activity evaluation in experimental fibromyalgia. Journal of Food Science, 2020, 85, 3700-3710.	3.1	6
38	Identification of plant-based multitargeted leads for Alzheimer's disease: In-vitro and in-vivo validation of Woodfordia fruticosa (L.) Kurz. Phytomedicine, 2021, 91, 153659.	5.3	6
39	Pharmacognostic standardisation and antiproliferative activity of Aegle marmelos (L.) Correa leaves in various human cancer cell lines. Indian Journal of Pharmaceutical Sciences, 2013, 75, 628-34.	1.0	6
40	Modification of the lead molecule: Tryptophan and piperidine appended triazines reversing inflammation and hyeperalgesia in rats. Bioorganic and Medicinal Chemistry, 2020, 28, 115246.	3.0	5
41	Biological Evaluation of Aegle marmelos Fruit Extract and Isolated Aegeline in Alleviating Painâ€“Depression Dyad: In Silico Analysis of Aegeline on MAO-A and iNOS. ACS Omega, 2021, 6, 2034-2044.	3.5	5
42	Effect of Aegle marmelos (L.) Correa on alloxan induced early stage diabetic nephropathy in rats. Indian Journal of Experimental Biology, 2013, 51, 464-9.	0.0	5
43	Involvement of Oxidative Stress and Nerve Growth Factor in Behavioral and Biochemical Deficits of Experimentally Induced Musculoskeletal Pain in Mice: Ameliorative Effects of Heraclin. Journal of Molecular Neuroscience, 2021, 71, 347-357.	2.3	4
44	Electrochemical treatment of high strength chrome bathwater: A comparative study for best-operating conditions. Cleaner Engineering and Technology, 2021, 2, 100093.	4.0	4
45	Comparison of Changes in Muscle Coordination, Locomotor and Antianxiety Activity on Intraperitoneal Administration of Four Isoxazolidine Analogs to Mice. Analytical Chemistry Letters, 2013, 3, 159-166.	1.0	2
46	Design, Synthesis, and Activity Evaluation of Stereoconfigured Tartarate Derivatives as Potential Anti-inflammatory Agents In Vitro and In Vivo. Journal of Medicinal Chemistry, 2021, 64, 9550-9566.	6.4	2
47	Role of water in cyclooxygenase catalysis and design of anti-inflammatory agents targeting two sites of the enzyme. Scientific Reports, 2020, 10, 10764.	3.3	1