

Rajbir Bhatti

List of Publications by Year in descending order

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47
papers

838
citations

516215

16
h-index

552369

26
g-index

47
all docs

47
docs citations

47
times ranked

1144
citing authors

#	ARTICLE	IF	CITATIONS
1	Involvement of Oxidative Stress and Nerve Growth Factor in Behavioral and Biochemical Deficits of Experimentally Induced Musculoskeletal Pain in Mice: Ameliorative Effects of Heracilin. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 347-357.	1.1	4
2	Skimmetin/osthole mitigates pain-depression dyad via inhibiting inflammatory and oxidative stress-mediated neurotransmitter dysregulation. <i>Metabolic Brain Disease</i> , 2021, 36, 111-121.	1.4	11
3	Biological Evaluation of <i>Aegle marmelos</i> Fruit Extract and Isolated Aegeline in Alleviating Pain & Depression Dyad: In Silico Analysis of Aegeline on MAO-A and iNOS. <i>ACS Omega</i> , 2021, 6, 2034-2044.	1.6	5
4	Daphnetin, a natural coumarin averts reserpine-induced fibromyalgia in mice: modulation of MAO-A. <i>Experimental Brain Research</i> , 2021, 239, 1451-1463.	0.7	7
5	Mechanistic interplay of various mediators involved in mediating the neuroprotective effect of daphnetin. <i>Pharmacological Reports</i> , 2021, 73, 1220-1229.	1.5	15
6	An endophytic <i>Schizophyllum commune</i> Fr. exhibits in-vitro and in-vivo antidiabetic activity in streptozotocin induced diabetic rats. <i>AMB Express</i> , 2021, 11, 58.	1.4	13
7	Electrochemical treatment of high strength chrome bathwater: A comparative study for best-operating conditions. <i>Cleaner Engineering and Technology</i> , 2021, 2, 100093.	2.1	4
8	Design, Synthesis, and Activity Evaluation of Stereoconfigured Tartarate Derivatives as Potential Anti-inflammatory Agents In Vitro and In Vivo. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 9550-9566.	2.9	2
9	Understanding the phytochemistry and molecular insights to the pharmacology of <i>Angelica archangelica</i> L. (garden angelica) and its bioactive components. <i>Phytotherapy Research</i> , 2021, 35, 5961-5979.	2.8	14
10	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. <i>Bioorganic Chemistry</i> , 2021, 114, 105053.	2.0	16
11	Identification of plant-based multitargeted leads for Alzheimer's disease: In-vitro and in-vivo validation of <i>Woodfordia fruticosa</i> (L.) Kurz. <i>Phytomedicine</i> , 2021, 91, 153659.	2.3	6
12	Anti-nociceptive and anti-inflammatory effect of imperatorin: evidences for involvement of COX-2, iNOS, NF- κ B and inflammatory cytokines. <i>International Journal of Neuroscience</i> , 2020, 130, 176-185.	0.8	17
13	Modification of the lead molecule: Tryptophan and piperidine appended triazines reversing inflammation and hyperalgesia in rats. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115246.	1.4	5
14	Optimization of extraction conditions of <i>Angelica archangelica</i> extract and activity evaluation in experimental fibromyalgia. <i>Journal of Food Science</i> , 2020, 85, 3700-3710.	1.5	6
15	Protective Effect of Esculetin, Natural Coumarin in Mice Model of Fibromyalgia: Targeting Pro-Inflammatory Cytokines and MAO-A. <i>Neurochemical Research</i> , 2020, 45, 2364-2374.	1.6	16
16	InSilicoStudies andIn VivoMAOAIInhibitory Activity of Coumarins Isolated from <i>Angelica archangelica</i> Extract: An Approach toward Antidepressant Activity. <i>ACS Omega</i> , 2020, 5, 15069-15076.	1.6	13
17	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. <i>Journal of Molecular Liquids</i> , 2020, 317, 113816.	2.3	27
18	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. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	8

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19	Role of water in cyclooxygenase catalysis and design of anti-inflammatory agents targeting two sites of the enzyme. <i>Scientific Reports</i> , 2020, 10, 10764.	1.6	1
20	Osthole ameliorates neurogenic and inflammatory hyperalgesia by modulation of iNOS, COX-2, and inflammatory cytokines in mice. <i>Inflammopharmacology</i> , 2019, 27, 949-960.	1.9	27
21	Engineered Substrate for Cyclooxygenase-2: A Pentapeptide Isoconformational to Arachidonic Acid for Managing Inflammation. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 6363-6376.	2.9	7
22	Ameliorative effect of imperatorin in chemically induced fibromyalgia: Role of NMDA/NFκB mediated downstream signaling. <i>Biochemical Pharmacology</i> , 2019, 166, 56-69.	2.0	29
23	Bergapten Ameliorates Vincristine-Induced Peripheral Neuropathy by Inhibition of Inflammatory Cytokines and NFκB Signaling. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3008-3017.	1.7	38
24	Possible Molecular Mediators Involved and Mechanistic Insight into Fibromyalgia and Associated Co-morbidities. <i>Neurochemical Research</i> , 2019, 44, 1517-1532.	1.6	31
25	Bergapten inhibits chemically induced nociceptive behavior and inflammation in mice by decreasing the expression of spinal PARP, iNOS, COX-2 and inflammatory cytokines. <i>Inflammopharmacology</i> , 2019, 27, 749-760.	1.9	20
26	Indolyl-isoxazolidines attenuate LPS-stimulated pro-inflammatory cytokines and increase survival in a mouse model of sepsis: Identification of potent lead. <i>European Journal of Medicinal Chemistry</i> , 2018, 153, 56-64.	2.6	13
27	Mercurius solubilis attenuates scopolamine-induced memory deficits and enhances the motor coordination in mice. <i>International Journal of Neuroscience</i> , 2018, 128, 219-230.	0.8	7
28	Design and Synthesis of Aza/Oxa Heterocycle-Based Conjugates as Novel Anti-Inflammatory Agents Targeting Cyclooxygenase-2. <i>ACS Omega</i> , 2018, 3, 5825-5845.	1.6	16
29	Synergy of Physico-chemical and Biological Experiments for Developing a Cyclooxygenase-2 Inhibitor. <i>Scientific Reports</i> , 2018, 8, 10005.	1.6	9
30	Tailoring the Substitution Pattern on 1,3,5-Triazine for Targeting Cyclooxygenase-2: Discovery and Structure-Activity Relationship of Triazine-4-Aminophenylmorpholin-3-one Hybrids that Reverse Algesia and Inflammation in Swiss Albino Mice. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7929-7941.	2.9	21
31	Rationally designed benzopyran fused isoxazolidines and derived 2,3,3-amino alcohols as potent analgesics: Synthesis, biological evaluation and molecular docking analysis. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 210-222.	2.6	13
32	TNF-α and IL-6 inhibitors: Conjugates of N-substituted indole and aminophenylmorpholin-3-one as anti-inflammatory agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 140, 92-103.	2.6	38
33	Rational Design of Small Peptides for Optimal Inhibition of Cyclooxygenase-2: Development of a Highly Effective Anti-Inflammatory Agent. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3920-3934.	2.9	25
34	Triblock Conjugates: Identification of a Highly Potent Antiinflammatory Agent. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5989-6001.	2.9	39
35	Indole based peptidomimetics as anti-inflammatory and anti-hyperalgesic agents: Dual inhibition of 5-LOX and COX-2 enzymes. <i>European Journal of Medicinal Chemistry</i> , 2015, 97, 104-123.	2.6	49
36	Role of progesterone in melatonin-mediated protection against acute kidney injury. <i>Journal of Surgical Research</i> , 2014, 191, 441-447.	0.8	27

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37	Rational design, synthesis and evaluation of chromone-indole and chromone-pyrazole based conjugates: Identification of a lead for anti-inflammatory drug. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 185-192.	2.6	68
38	Explicit role of peroxisome proliferator-activated receptor gamma in gallic acid-mediated protection against ischemia-reperfusion-induced acute kidney injury in rats. <i>Journal of Surgical Research</i> , 2014, 187, 631-639.	0.8	25
39	Rationally designed hybrid molecules with appreciable COX-2 inhibitory and anti-nociceptive activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 77-82.	1.0	16
40	Possible Involvement of PPAR- β in the Anticonvulsant Effect of <i>Aegle marmelos</i> (L.) Correa. <i>Neurochemical Research</i> , 2013, 38, 1624-1631.	1.6	6
41	Comparison of Changes in Muscle Coordination, Locomotor and Antianxiety Activity on Intraperitoneal Administration of Four Isoxazolidine Analogs to Mice. <i>Analytical Chemistry Letters</i> , 2013, 3, 159-166.	0.4	2
42	Experimental design optimization for electrochemical removal of gentamicin: toxicity evaluation and degradation pathway. <i>Water Science and Technology</i> , 2013, 67, 2017-2024.	1.2	9
43	Pharmacognostic standardisation and antiproliferative activity of <i>Aegle marmelos</i> (L.) Correa leaves in various human cancer cell lines. <i>Indian Journal of Pharmaceutical Sciences</i> , 2013, 75, 628-34.	1.0	6
44	Effect of <i>Aegle marmelos</i> (L.) Correa on alloxan induced early stage diabetic nephropathy in rats. <i>Indian Journal of Experimental Biology</i> , 2013, 51, 464-9.	0.5	5
45	Ameliorative effect of <i>Aegle marmelos</i> leaf extract on early stage alloxan-induced diabetic cardiomyopathy in rats. <i>Pharmaceutical Biology</i> , 2011, 49, 1137-1143.	1.3	20
46	Ameliorative Effect of the Cinnamon Oil from <i>Cinnamomum zeylanicum</i> upon Early Stage Diabetic Nephropathy. <i>Planta Medica</i> , 2010, 76, 412-417.	0.7	72
47	The effect of <i>Allium sativum</i> on ischemic preconditioning and ischemia reperfusion induced cardiac injury. <i>Indian Journal of Pharmacology</i> , 2008, 40, 261.	0.4	10