

Mahadevappa Hemshekhar

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,118
citations

218592

26
h-index

233338

45
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62
all docs

62
docs citations

62
times ranked

3653
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging roles of hyaluronic acid bioscaffolds in tissue engineering and regenerative medicine. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 917-928.	3.6	202
2	Emerging Roles of Anacardic Acid and Its Derivatives: A Pharmacological Overview. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012, 110, 122-132.	1.2	174
3	An overview on genus <i>garcinia</i> : phytochemical and therapeutical aspects. <i>Phytochemistry Reviews</i> , 2011, 10, 325-351.	3.1	133
4	N-Acetylcysteine amide: a derivative to fulfill the promises of N-Acetylcysteine. <i>Free Radical Research</i> , 2013, 47, 357-367.	1.5	83
5	The Role of Reactive Oxygen Species and Ferroptosis in Heme-Mediated Activation of Human Platelets. <i>ACS Chemical Biology</i> , 2018, 13, 1996-2002.	1.6	82
6	A dietary colorant crocin mitigates arthritis and associated secondary complications by modulating cartilage deteriorating enzymes, inflammatory mediators and antioxidant status. <i>Biochimie</i> , 2012, 94, 2723-2733.	1.3	76
7	Crocin, a dietary colorant mitigates cyclophosphamide-induced organ toxicity by modulating antioxidant status and inflammatory cytokines. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 604-614.	1.2	71
8	Functions of Cationic Host Defense Peptides in Immunity. <i>Pharmaceuticals</i> , 2016, 9, 40.	1.7	69
9	Hemin-induced platelet activation and ferroptosis is mediated through ROS-driven proteasomal activity and inflammasome activation: Protection by Melatonin. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2303-2316.	1.8	67
10	Crocin, a dietary additive protects platelets from oxidative stress-induced apoptosis and inhibits platelet aggregation. <i>Molecular and Cellular Biochemistry</i> , 2013, 373, 73-83.	1.4	62
11	Inflammation and oxidative stress in viper bite: An insight within and beyond. <i>Toxicon</i> , 2015, 98, 89-97.	0.8	62
12	Melatonin elevates apoptosis in human platelets via ROS mediated mitochondrial damage. <i>Biochemical and Biophysical Research Communications</i> , 2013, 438, 198-204.	1.0	60
13	Unconjugated Bilirubin exerts Pro-Apoptotic Effect on Platelets via p38-MAPK activation. <i>Scientific Reports</i> , 2015, 5, 15045.	1.6	56
14	Methotrexate Promotes Platelet Apoptosis via JNK-Mediated Mitochondrial Damage: Alleviation by N-Acetylcysteine and N-Acetylcysteine Amide. <i>PLoS ONE</i> , 2015, 10, e0127558.	1.1	55
15	Biologicals, platelet apoptosis and human diseases: An outlook. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 93, 149-158.	2.0	49
16	Melatonin restores neutrophil functions and prevents apoptosis amid dysfunctional glutathione redox system. <i>Journal of Pineal Research</i> , 2020, 69, e12676.	3.4	48
17	<i>Vipera russelli</i> venom-induced oxidative stress and hematological alterations: Amelioration by crocin a dietary colorant. <i>Cell Biochemistry and Function</i> , 2013, 31, 41-50.	1.4	46
18	Tamarind Seed (<i>Tamarindus indica</i>) Extract Ameliorates Adjuvant-Induced Arthritis via Regulating the Mediators of Cartilage/Bone Degeneration, Inflammation and Oxidative Stress. <i>Scientific Reports</i> , 2015, 5, 11117.	1.6	45

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19	Berberine mitigates high glucose-potentiated platelet aggregation and apoptosis by modulating aldose reductase and NADPH oxidase activity. <i>Free Radical Biology and Medicine</i> , 2019, 130, 196-205.	1.3	42
20	Melatonin alleviates <i>Chis carinatus</i> venom-induced toxicities by modulating inflammatory mediators and oxidative stress. <i>Journal of Pineal Research</i> , 2014, 56, 295-312.	3.4	37
21	Host Defense Peptide LL-37-Mediated Chemoattractant Properties, but Not Anti-Inflammatory Cytokine IL-1RA Production, Is Selectively Controlled by Cdc42 Rho GTPase via G Protein-Coupled Receptors and JNK Mitogen-Activated Protein Kinase. <i>Frontiers in Immunology</i> , 2018, 9, 1871.	2.2	37
22	A New Ibuprofen Derivative Inhibits Platelet Aggregation and ROS Mediated Platelet Apoptosis. <i>PLoS ONE</i> , 2014, 9, e107182.	1.1	35
23	Antiarthritic and antiinflammatory propensity of 4-methylesculetin, a coumarin derivative. <i>Biochimie</i> , 2013, 95, 1326-1335.	1.3	32
24	Therapeutic drug-induced platelet apoptosis: an overlooked issue in pharmacotoxicology. <i>Archives of Toxicology</i> , 2014, 88, 185-198.	1.9	31
25	Novel oxolane derivative DMTD mitigates high glucose-induced erythrocyte apoptosis by regulating oxidative stress. <i>Toxicology and Applied Pharmacology</i> , 2017, 334, 167-179.	1.3	30
26	Oxidative stress-induced methemoglobinemia is the silent killer during snakebite: a novel and strategic neutralization by melatonin. <i>Journal of Pineal Research</i> , 2015, 59, 240-254.	3.4	29
27	Attenuation of adjuvant-induced arthritis by dietary sesamol via modulation of inflammatory mediators, extracellular matrix degrading enzymes and antioxidant status. <i>European Journal of Nutrition</i> , 2013, 52, 1787-1799.	1.8	27
28	Immunomodulatory innate defence regulator (IDR) peptide alleviates airway inflammation and hyper-responsiveness. <i>Thorax</i> , 2018, 73, 908-917.	2.7	27
29	Inhibition of hyaluronidase by N-acetyl cysteine and glutathione: Role of thiol group in hyaluronan protection. <i>International Journal of Biological Macromolecules</i> , 2013, 55, 39-46.	3.6	26
30	Sesamol induces apoptosis in human platelets via reactive oxygen species-mediated mitochondrial damage. <i>Biochimie</i> , 2013, 95, 2060-2068.	1.3	25
31	Buprenorphine Alters Inflammatory and Oxidative Stress Molecular Markers in Arthritis. <i>Mediators of Inflammation</i> , 2017, 2017, 1-10.	1.4	23
32	Novel Apigenin Based Small Molecule that Targets Snake Venom Metalloproteases. <i>PLoS ONE</i> , 2014, 9, e106364.	1.1	21
33	Tamarind seed extract mitigates the liver oxidative stress in arthritic rats. <i>Food and Function</i> , 2014, 5, 587.	2.1	21
34	Neutralization of Haemorrhagic Activity of Viper Venoms by 1-(3-Dimethylaminopropyl)-1-(4-Fluorophenyl)-3-Oxo-1,3-Dihydroisobenzofuran-5-Carbonitrile. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011, 109, 292-299.	1.2	20
35	Inhaled Diesel Exhaust Decreases the Antimicrobial Peptides Î±-Defensin and S100A7 in Human Bronchial Secretions. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1358-1361.	2.5	19
36	Inhibition of Hemorrhagic Activity of Viper Venoms by N-acetyl Cysteine: Involvement of N-acetyl and Thiol Groups. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 2589-2600.	1.0	16

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37	Alleviation of viper venom induced platelet apoptosis by crocin (<i>Crocus sativus</i>): implications for thrombocytopenia in viper bites. <i>Journal of Thrombosis and Thrombolysis</i> , 2013, 36, 424-432.	1.0	16
38	Aggregation is impaired in starved platelets due to enhanced autophagy and cellular energy depletion. <i>Platelets</i> , 2019, 30, 487-497.	1.1	16
39	Novel Benzoxazine-Based Aglycones Block Glucose Uptake In Vivo by Inhibiting Glycosidases. <i>PLoS ONE</i> , 2014, 9, e102759.	1.1	15
40	Cell-free methemoglobin drives platelets to apoptosis via mitochondrial ROS-mediated activation of JNK and p38 MAP kinase. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 183-191.	1.0	14
41	Crocins prevent sesamol-induced oxidative stress and apoptosis in human platelets. <i>Journal of Thrombosis and Thrombolysis</i> , 2014, 38, 321-330.	1.0	13
42	Immunomodulatory Functions of the Human Cathelicidin LL-37 (aa 13-31)-Derived Peptides are Associated with Predicted α -Helical Propensity and Hydrophobic Index. <i>Biomolecules</i> , 2019, 9, 501.	1.8	12
43	Fusaric acid, a mycotoxin, and its influence on blood coagulation and platelet function. <i>Blood Coagulation and Fibrinolysis</i> , 2013, 24, 419-423.	0.5	11
44	ASK1 inhibition triggers platelet apoptosis via p38-MAPK-mediated mitochondrial dysfunction. <i>Haematologica</i> , 2020, 105, e419-e423.	1.7	10
45	A bioavailable form of curcumin, in combination with vitamin-D- and omega-3-enriched diet, modifies disease onset and outcomes in a murine model of collagen-induced arthritis. <i>Arthritis Research and Therapy</i> , 2021, 23, 39.	1.6	8
46	Guggulipid ameliorates adjuvant-induced arthritis and liver oxidative damage by suppressing inflammatory and oxidative stress mediators. <i>Phytomedicine</i> , 2019, 64, 152924.	2.3	7
47	Bisdemethoxycurcumin promotes apoptosis in human platelets via activation of ERK signaling pathway. <i>Toxicology in Vitro</i> , 2020, 63, 104743.	1.1	7
48	Cathelicidin and Calprotectin Are Disparately Altered in Murine Models of Inflammatory Arthritis and Airway Inflammation. <i>Frontiers in Immunology</i> , 2020, 11, 1932.	2.2	7
49	Defining the effects of traffic-related air pollution on the human plasma proteome using an aptamer proteomic array: A dose-dependent increase in atherosclerosis-related proteins. <i>Environmental Research</i> , 2022, 209, 112803.	3.7	7
50	Tamarind (<i>Tamarindus indica</i>) Seeds. , 2011, , 1107-1114.		5
51	Bone Degeneration, Inflammation and Secondary Complications of Arthritis: Potential Targets and their Natural Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2018, 18, 244-275.	1.1	5
52	Para-tertiary butyl catechol induces eryptosis in vitro via oxidative stress and hemoglobin leakage in human erythrocytes. <i>Toxicology in Vitro</i> , 2018, 52, 286-296.	1.1	4
53	Circulating levels of free 25(OH)D increase at the onset of rheumatoid arthritis. <i>PLoS ONE</i> , 2019, 14, e0219109.	1.1	4
54	Bisphenol AF elevates procoagulant platelets by inducing necroptosis via RIPK1-inflammasome axis. <i>Toxicology</i> , 2021, 454, 152742.	2.0	4

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55	Disrupting Tryptophan in the Central Hydrophobic Region Selectively Mitigates Immunomodulatory Activities of the Innate Defence Regulator Peptide IDR-1002. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 6696-6705.	2.9	4
56	Sex Dimorphism of Allergen-Induced Secreted Proteins in Murine and Human Lungs. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
57	Para-tertiary butyl catechol (PTBC), an industrial antioxidant induces human platelet apoptosis. <i>Environmental Toxicology</i> , 2019, 34, 262-270.	2.1	3
58	Characterization of immune responses and the lung transcriptome in a murine model of IL-33 challenge. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165950.	1.8	3
59	Differential Action of Phytochemicals on Platelet Apoptosis: A Biological Overview. <i>Current Medicinal Chemistry</i> , 2013, 20, 1018-1027.	1.2	1
60	Nanoparticles for Modulating mTOR Signaling in Platelets. <i>Trends in Biotechnology</i> , 2016, 34, 850-852.	4.9	0
61	Inhaled diesel exhaust alters plasma proteome signature. , 2018, , .		0
62	Activity of an innate defence regulator peptide to alleviate airway inflammation is mitigated by disruption of its central hydrophobic region. , 2018, , .		0