

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
g-index

62
all docs

62
docs citations

62
times ranked

3653
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Bisphenol AF elevates procoagulant platelets by inducing necroptosis via RIPK1-inflammasome axis. <i>Toxicology</i> , 2021, 454, 152742.	2.0	4
3	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
4	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
5	Bisdemethoxycurcumin promotes apoptosis in human platelets via activation of ERK signaling pathway. <i>Toxicology in Vitro</i> , 2020, 63, 104743.	1.1	7
6	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
7	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
8	Melatonin restores neutrophil functions and prevents apoptosis amid dysfunctional glutathione redox system. <i>Journal of Pineal Research</i> , 2020, 69, e12676.	3.4	48
9	ASK1 inhibition triggers platelet apoptosis via p38-MAPK-mediated mitochondrial dysfunction. <i>Haematologica</i> , 2020, 105, e419-e423.	1.7	10
10	Aggregation is impaired in starved platelets due to enhanced autophagy and cellular energy depletion. <i>Platelets</i> , 2019, 30, 487-497.	1.1	16
11	Immunomodulatory Functions of the Human Cathelicidin LL-37 (aa 13â€“31)-Derived Peptides are Associated with Predicted Î±-Helical Propensity and Hydrophobic Index. <i>Biomolecules</i> , 2019, 9, 501.	1.8	12
12	Circulating levels of free 25(OH)D increase at the onset of rheumatoid arthritis. <i>PLoS ONE</i> , 2019, 14, e0219109.	1.1	4
13	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
14	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
15	Para-tertiary butyl catechol (PTBC), an industrial antioxidant induces human platelet apoptosis. <i>Environmental Toxicology</i> , 2019, 34, 262-270.	2.1	3
16	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
17	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
18	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

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19	Immunomodulatory innate defence regulator (IDR) peptide alleviates airway inflammation and hyper-responsiveness. <i>Thorax</i> , 2018, 73, 908-917.	2.7	27
20	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
21	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
22	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
23	Inhaled diesel exhaust alters plasma proteome signature. , 2018, , .		0
24	Activity of an innate defence regulator peptide to alleviate airway inflammation is mitigated by disruption of its central hydrophobic region. , 2018, , .		0
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	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
27	Buprenorphine Alters Inflammatory and Oxidative Stress Molecular Markers in Arthritis. <i>Mediators of Inflammation</i> , 2017, 2017, 1-10.	1.4	23
28	Functions of Cationic Host Defense Peptides in Immunity. <i>Pharmaceuticals</i> , 2016, 9, 40.	1.7	69
29	Nanoparticles for Modulating mTOR Signaling in Platelets. <i>Trends in Biotechnology</i> , 2016, 34, 850-852.	4.9	0
30	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
31	Unconjugated Bilirubin exerts Pro-Apoptotic Effect on Platelets via p38-MAPK activation. <i>Scientific Reports</i> , 2015, 5, 15045.	1.6	56
32	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
33	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
34	Inflammation and oxidative stress in viper bite: An insight within and beyond. <i>Toxicon</i> , 2015, 98, 89-97.	0.8	62
35	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
36	Biologicals, platelet apoptosis and human diseases: An outlook. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 93, 149-158.	2.0	49

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37	Novel Benzoxazine-Based Aglycones Block Glucose Uptake In Vivo by Inhibiting Glycosidases. PLoS ONE, 2014, 9, e102759.	1.1	15
38	Novel Apigenin Based Small Molecule that Targets Snake Venom Metalloproteases. PLoS ONE, 2014, 9, e106364.	1.1	21
39	A New Ibuprofen Derivative Inhibits Platelet Aggregation and ROS Mediated Platelet Apoptosis. PLoS ONE, 2014, 9, e107182.	1.1	35
40	Tamarind seed extract mitigates the liver oxidative stress in arthritic rats. Food and Function, 2014, 5, 587.	2.1	21
41	Melatonin alleviates <i>Chis carinatus</i> venom-induced toxicities by modulating inflammatory mediators and oxidative stress. Journal of Pineal Research, 2014, 56, 295-312.	3.4	37
42	Therapeutic drug-induced platelet apoptosis: an overlooked issue in pharmacotoxicology. Archives of Toxicology, 2014, 88, 185-198.	1.9	31
43	Crocin prevents sesamol-induced oxidative stress and apoptosis in human platelets. Journal of Thrombosis and Thrombolysis, 2014, 38, 321-330.	1.0	13
44	Melatonin elevates apoptosis in human platelets via ROS mediated mitochondrial damage. Biochemical and Biophysical Research Communications, 2013, 438, 198-204.	1.0	60
45	Sesamol induces apoptosis in human platelets via reactive oxygen species-mediated mitochondrial damage. Biochimie, 2013, 95, 2060-2068.	1.3	25
46	Alleviation of viper venom induced platelet apoptosis by crocin (<i>Crocus sativus</i>): implications for thrombocytopenia in viper bites. Journal of Thrombosis and Thrombolysis, 2013, 36, 424-432.	1.0	16
47	N-Acetylcysteine amide: a derivative to fulfill the promises of N-Acetylcysteine. Free Radical Research, 2013, 47, 357-367.	1.5	83
48	Crocin, a dietary additive protects platelets from oxidative stress-induced apoptosis and inhibits platelet aggregation. Molecular and Cellular Biochemistry, 2013, 373, 73-83.	1.4	62
49	Inhibition of hyaluronidase by N-acetyl cysteine and glutathione: Role of thiol group in hyaluronan protection. International Journal of Biological Macromolecules, 2013, 55, 39-46.	3.6	26
50	Crocin, a dietary colorant mitigates cyclophosphamide-induced organ toxicity by modulating antioxidant status and inflammatory cytokines. Journal of Pharmacy and Pharmacology, 2013, 65, 604-614.	1.2	71
51	Antiarthritic and antiinflammatory propensity of 4-methylesculetin, a coumarin derivative. Biochimie, 2013, 95, 1326-1335.	1.3	32
52	Attenuation of adjuvant-induced arthritis by dietary sesamol via modulation of inflammatory mediators, extracellular matrix degrading enzymes and antioxidant status. European Journal of Nutrition, 2013, 52, 1787-1799.	1.8	27
53	<i>Vipera russelli</i> venom-induced oxidative stress and hematological alterations: Amelioration by crocin a dietary colorant. Cell Biochemistry and Function, 2013, 31, 41-50.	1.4	46
54	Differential Action of Phytochemicals on Platelet Apoptosis: A Biological Overview. Current Medicinal Chemistry, 2013, 20, 1018-1027.	1.2	1

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55	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
56	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
57	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
58	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
59	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
60	An overview on genus garcinia: phytochemical and therapeutical aspects. <i>Phytochemistry Reviews</i> , 2011, 10, 325-351.	3.1	133
61	Tamarind (<i>Tamarindus indica</i>) Seeds. , 2011, , 1107-1114.		5
62	Sex Dimorphism of Allergen-Induced Secreted Proteins in Murine and Human Lungs. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4