

Thanasekaran Jayakumar

List of Publications by Year in descending order

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63
papers

1,163
citations

471477

17
h-index

434170

31
g-index

69
all docs

69
docs citations

69
times ranked

1855
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and Clinical Pharmacology of <i>Andrographis paniculata</i> and Its Major Bioactive Phytoconstituent Andrographolide. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-16.	1.2	186
2	Multi-Targeting Andrographolide, a Novel NF- κ B Inhibitor, as a Potential Therapeutic Agent for Stroke. International Journal of Molecular Sciences, 2017, 18, 1638.	4.1	82
3	Andrographolide stimulates p38 mitogen-activated protein kinase–nuclear factor erythroid-2-related factor 2–heme oxygenase 1 signaling in primary cerebral endothelial cells for definite protection against ischemic stroke in rats. Translational Research, 2016, 170, 57-72.	5.0	70
4	Astaxanthin, a Carotenoid, Stimulates Immune Responses by Enhancing IFN- γ and IL-2 Secretion in Primary Cultured Lymphocytes in Vitro and ex Vivo. International Journal of Molecular Sciences, 2016, 17, 44.	4.1	63
5	A novel antithrombotic effect of sulforaphane via activation of platelet adenylyl cyclase: ex vivo and in vivo studies. Journal of Nutritional Biochemistry, 2013, 24, 1086-1095.	4.2	45
6	Hinokitiol, a tropolone derivative, inhibits mouse melanoma (B16-F10) cell migration and in vivo tumor formation. European Journal of Pharmacology, 2015, 746, 148-157.	3.5	37
7	Brazilin Ameliorates High Glucose-Induced Vascular Inflammation via Inhibiting ROS and CAMs Production in Human Umbilical Vein Endothelial Cells. BioMed Research International, 2014, 2014, 1-10.	1.9	36
8	Hinokitiol Inhibits Migration of A549 Lung Cancer Cells via Suppression of MMPs and Induction of Antioxidant Enzymes and Apoptosis. International Journal of Molecular Sciences, 2018, 19, 939.	4.1	35
9	Hinokitiol, a Natural Tropolone Derivative, Offers Neuroprotection from Thromboembolic Stroke In Vivo. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-8.	1.2	32
10	Andrographolide induces vascular smooth muscle cell apoptosis through a SHP-1-PP2A-p38MAPK-p53 cascade. Scientific Reports, 2015, 4, 5651.	3.3	28
11	Hinokitiol Exerts Anticancer Activity through Downregulation of MMPs 9/2 and Enhancement of Catalase and SOD Enzymes: In Vivo Augmentation of Lung Histoarchitecture. Molecules, 2015, 20, 17720-17734.	3.8	27
12	Esculetin, a Coumarin Derivative, Prevents Thrombosis: Inhibitory Signaling on PLC β –PKC–AKT Activation in Human Platelets. International Journal of Molecular Sciences, 2019, 20, 2731.	4.1	25
13	Ex vivo and in vivo studies of CME-1, a novel polysaccharide purified from the mycelia of <i>Cordyceps sinensis</i> that inhibits human platelet activation by activating adenylyl cyclase/cyclic AMP. Thrombosis Research, 2014, 134, 1301-1310.	1.7	21
14	Protective Effects of <i>Ammannia baccifera</i> Against CCl ₄ -Induced Oxidative Stress in Rats. International Journal of Environmental Research and Public Health, 2019, 16, 1440.	2.6	20
15	A Critical Period for the Development of Schizophrenia-Like Pathology by Aberrant Postnatal Neurogenesis. Frontiers in Neuroscience, 2019, 13, 635.	2.8	19
16	Nobiletin, a citrus flavonoid, activates vasodilator-stimulated phosphoprotein in human platelets through non-cyclic nucleotide-related mechanisms. International Journal of Molecular Medicine, 2017, 39, 174-182.	4.0	18
17	Inhibitory effect of PDGF-BB and serum-stimulated responses in vascular smooth muscle cell proliferation by hinokitiol via up-regulation of p21 and p53. Archives of Medical Science, 2018, 14, 579-587.	0.9	17
18	Modulation of human platelet activation and in vivo vascular thrombosis by columbianadin: regulation by integrin α IIb β 3 inside-out but not outside-in signals. Journal of Biomedical Science, 2020, 27, 60.	7.0	17

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19	Andrographolide, a Novel NF- κ B Inhibitor, Inhibits Vascular Smooth Muscle Cell Proliferation and Cerebral Endothelial Cell Inflammation. <i>Acta Cardiologica Sinica</i> , 2014, 30, 308-15.	0.2	17
20	Targeting MAPK/NF- κ B Pathways in Anti-Inflammatory Potential of Rutaecarpine: Impact on Src/FAK-Mediated Macrophage Migration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 92.	4.1	16
21	<i>Sanguis draconis</i> , a Dragon's Blood Resin, Attenuates High Glucose-Induced Oxidative Stress and Endothelial Dysfunction in Human Umbilical Vein Endothelial Cells. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	2.1	15
22	Antiproliferative Activity of Hinokitiol, a Tropolone Derivative, Is Mediated via the Inductions of p-JNK and p-PLC β 1 Signaling in PDGF-BB-Stimulated Vascular Smooth Muscle Cells. <i>Molecules</i> , 2015, 20, 8198-8212.	3.8	15
23	HDAC6 dysfunction contributes to impaired maturation of adult neurogenesis in vivo: vital role on functional recovery after ischemic stroke. <i>Journal of Biomedical Science</i> , 2019, 26, 27.	7.0	15
24	Molecular Targets of Natural Products for Chondroprotection in Destructive Joint Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4931.	4.1	15
25	A novel ruthenium (II)-derived organometallic compound, TQ-6, potently inhibits platelet aggregation: Ex vivo and in vivo studies. <i>Scientific Reports</i> , 2017, 7, 9556.	3.3	13
26	Platelet autophagic machinery involved in thrombosis through a novel linkage of AMPK-MTOR to sphingolipid metabolism. <i>Autophagy</i> , 2021, 17, 4141-4158.	9.1	13
27	Anti-Inflammatory Mechanism of An Alkaloid Rutaecarpine in LTA-Stimulated RAW 264.7 Cells: Pivotal Role on NF- κ B and ERK/p38 Signaling Molecules. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5889.	4.1	13
28	Carbon Dot Nanoparticles Exert Inhibitory Effects on Human Platelets and Reduce Mortality in Mice with Acute Pulmonary Thromboembolism. <i>Nanomaterials</i> , 2020, 10, 1254.	4.1	12
29	Ruthenium derivatives attenuate LPS-induced inflammatory responses and liver injury via suppressing NF- κ B signaling and free radical production. <i>Bioorganic Chemistry</i> , 2020, 96, 103639.	4.1	12
30	Rutaecarpine, an Alkaloid from <i>Evodia rutaecarpa</i> , Can Prevent Platelet Activation in Humans and Reduce Microvascular Thrombosis in Mice: Crucial Role of the PI3K/Akt/GSK3 β Signal Axis through a Cyclic Nucleotides/VASP-Independent Mechanism. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11109.	4.1	12
31	<i>Antrodia camphorata</i> Potentiates Neuroprotection against Cerebral Ischemia in Rats via Downregulation of iNOS/HO-1/Bax and Activated Caspase-3 and Inhibition of Hydroxyl Radical Formation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-8.	1.2	11
32	The pharmacodynamics of antiplatelet compounds in thrombosis treatment. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2016, 12, 615-632.	3.3	11
33	Mechanisms of TQ-6, a Novel Ruthenium-Derivative Compound, against Lipopolysaccharide-Induced In Vitro Macrophage Activation and Liver Injury in Experimental Mice: The Crucial Role of p38 MAPK and NF- κ B Signaling. <i>Cells</i> , 2018, 7, 217.	4.1	11
34	Analysis of Titin in Red and White Muscles: Crucial Role on Muscle Contractions Using a Fish Model. <i>BioMed Research International</i> , 2018, 2018, 1-11.	1.9	11
35	Biofuel and Biochemical Analysis of <i>Amphora coffeaeformis</i> RR03, a Novel Marine Diatom, Cultivated in an Open Raceway Pond. <i>Energies</i> , 2018, 11, 1341.	3.1	11
36	Ketamine, a Clinically Used Anesthetic, Inhibits Vascular Smooth Muscle Cell Proliferation via PP2A-Activated PI3K/Akt/ERK Inhibition. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2545.	4.1	10

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37	Antiplatelet Activity of a Newly Synthesized Novel Ruthenium (II): A Potential Role for Akt/JNK Signaling. <i>International Journal of Molecular Sciences</i> , 2017, 18, 916.	4.1	10
38	Possible Molecular Targets of Novel Ruthenium Complexes in Antiplatelet Therapy. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1818.	4.1	10
39	Suppression of Human Platelet Activation via Integrin α IIb β 3 Outside-In Independent Signal and Reduction of the Mortality in Pulmonary Thrombosis by Auraptene. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5585.	4.1	10
40	Biomass and Lipid Production Potential of an Indian Marine Algal Isolate <i>Tetraselmis striata</i> BBRR1. <i>Energies</i> , 2020, 13, 341.	3.1	10
41	Auraptene, a Monoterpene Coumarin, Inhibits LTA-Induced Inflammatory Mediators via Modulating NF- κ B/MAPKs Signaling Pathways. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-11.	1.2	10
42	A novel indication of platonin, a therapeutic immunomodulating medicine, on neuroprotection against ischemic stroke in mice. <i>Scientific Reports</i> , 2017, 7, 42277.	3.3	9
43	Novel Therapeutic Agent against Platelet Activation In Vitro and Arterial Thrombosis In Vivo by Morin Hydrate. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2386.	4.1	9
44	Columbianadin Dampens In Vitro Inflammatory Actions and Inhibits Liver Injury via Inhibition of NF- κ B/MAPKs: Impacts on α -OH Radicals and HO-1 Expression. <i>Antioxidants</i> , 2021, 10, 553.	5.1	9
45	Involvement of Antioxidant Defenses and NF- κ B/ERK Signaling in Anti-Inflammatory Effects of Pterostilbene, a Natural Analogue of Resveratrol. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4666.	2.5	8
46	Synthetic Ruthenium Complex TQ-6 Potently Recovers Cerebral Ischemic Stroke: Attenuation of Microglia and Platelet Activation. <i>Journal of Clinical Medicine</i> , 2020, 9, 996.	2.4	7
47	Chinese medicines and bioactive compounds for treatment of stroke. <i>Chinese Journal of Integrative Medicine</i> , 2015, 21, 90-101.	1.6	6
48	Novel synthetic benzimidazole-derived oligosaccharide, M3BIM, prevents ex vivo platelet aggregation and in vivo thromboembolism. <i>Journal of Biomedical Science</i> , 2016, 23, 26.	7.0	6
49	Comparative decline of the protein profiles of nebulin in response to denervation in skeletal muscle. <i>Biochemical and Biophysical Research Communications</i> , 2015, 466, 95-102.	2.1	5
50	New Therapeutic Agent against Arterial Thrombosis: An Iridium(III)-Derived Organometallic Compound. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2616.	4.1	5
51	Novel iridium (III)-derived organometallic compound for the inhibition of human platelet activation. <i>International Journal of Molecular Medicine</i> , 2018, 41, 2589-2600.	4.0	5
52	Comparison of the Potency of Pterostilbene with NF- κ B Inhibitors in Platelet Activation: Mutual Activation by Akt-NF- κ B Signaling in Human Platelets. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6149.	2.5	5
53	Decreased Human Platelet Activation and Mouse Pulmonary Thrombosis by Rutaecarpine and Comparison of the Relative Effectiveness with BAY11-7082: Crucial Signals of p38-NF- κ B. <i>Molecules</i> , 2022, 27, 476.	3.8	5
54	The neuroprotective effects of Tao-Ren-Cheng-Qi Tang against embolic stroke in rats. <i>Chinese Medicine</i> , 2017, 12, 7.	4.0	4

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55	Structure-Antiplatelet Activity Relationships of Novel Ruthenium (II) Complexes: Investigation of Its Molecular Targets. <i>Molecules</i> , 2018, 23, 477.	3.8	4
56	Structure-activity relationship of three synthesized benzimidazole-based oligosaccharides in human platelet activation. <i>International Journal of Molecular Medicine</i> , 2017, 40, 1520-1528.	4.0	3
57	Structure-Activity Relationship Study of Newly Synthesized Iridium-III Complexes as Potential Series for Treating Thrombotic Diseases. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3641.	4.1	3
58	Anti-Inflammatory Mechanisms of Novel Synthetic Ruthenium Compounds. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10092.	2.5	3
59	Mechanism of free radical generation in platelets and primary hepatocytes: A novel electron spin resonance study. <i>Molecular Medicine Reports</i> , 2018, 17, 2061-2069.	2.4	1
60	Reduction of NF- κ B Signals in Platelets and Prolongation of Platelet Plug Formation against High Shear Flow in Whole Blood on Human Subject by Columbianadin. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7323.	2.5	1
61	TQ-6, a Novel Ruthenium Derivative Compound, Possesses Potent Free Radical Scavenging Activity in Macrophages and Rats. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1008.	2.5	1
62	Development of Benzimidazole Derivatives as Novel Anti-platelet Drugs. <i>Current Pharmaceutical Biotechnology</i> , 2017, 18, 594-605.	1.6	1
63	Ruthenium complex, TQ-5, protects against LPS-induced macrophage inflammation and acute liver injury in mice via downregulating NF- κ B pathways. <i>International Journal of Molecular Medicine</i> , 2019, 44, 335-345.	4.0	1