

Thanasekaran Jayakumar

List of Publications by Year
in descending order

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Version: 2024-02-01

63
papers

1,163
citations

471509

17
h-index

434195

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 <i>In Vivo</i> . 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 2–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 $\alpha\text{IIb}\beta_3$ 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 H_2O_2 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 |