

Ramachandran Vinayagam

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,755
citations

279701

23
h-index

414303

32
g-index

32
all docs

32
docs citations

32
times ranked

2772
citing authors

#	ARTICLE	IF	CITATIONS
1	Antidiabetic properties of dietary flavonoids: a cellular mechanism review. <i>Nutrition and Metabolism</i> , 2015, 12, 60.	1.3	364
2	Antidiabetic Effects of Simple Phenolic Acids: A Comprehensive Review. <i>Phytotherapy Research</i> , 2016, 30, 184-199.	2.8	200
3	Syringic acid, a novel natural phenolic acid, normalizes hyperglycemia with special reference to glycoprotein components in experimental diabetic rats. <i>Journal of Acute Disease</i> , 2013, 2, 304-309.	0.0	88
4	Efficacy of asiatic acid, a pentacyclic triterpene on attenuating the key enzymes activities of carbohydrate metabolism in streptozotocin-induced diabetic rats. <i>Phytomedicine</i> , 2013, 20, 230-236.	2.3	87
5	Green synthesis, characterization and antibacterial activity of silver nanoparticles by <i>Malus domestica</i> and its cytotoxic effect on (MCF-7) cell line. <i>Microbial Pathogenesis</i> , 2019, 135, 103609.	1.3	78
6	Glucose uptake through translocation and activation of GLUT4 in PI3K/Akt signaling pathway by asiatic acid in diabetic rats. <i>Human and Experimental Toxicology</i> , 2015, 34, 884-893.	1.1	76
7	An insight into anti-diabetic properties of dietary phytochemicals. <i>Phytochemistry Reviews</i> , 2017, 16, 535-553.	3.1	71
8	Biofabrication of Zinc Oxide Nanoparticles from <i>Aspergillus niger</i> , Their Antioxidant, Antimicrobial and Anticancer Activity. <i>Journal of Cluster Science</i> , 2019, 30, 937-946.	1.7	71
9	Pharmacological Aspects and Potential Use of Phloretin: A Systemic Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019, 19, 1060-1067.	1.1	71
10	Phloretin loaded chitosan nanoparticles augments the pH-dependent mitochondrial-mediated intrinsic apoptosis in human oral cancer cells. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 997-1008.	3.6	67
11	Ameliorating effect of eugenol on hyperglycemia by attenuating the key enzymes of glucose metabolism in streptozotocin-induced diabetic rats. <i>Molecular and Cellular Biochemistry</i> , 2014, 385, 159-168.	1.4	66
12	Antidiabetic and antihyperlipidemic activity of asiatic acid in diabetic rats, role of HMG CoA: In vivo and in silico approaches. <i>Phytomedicine</i> , 2014, 21, 225-232.	2.3	59
13	Guava leaf inhibits hepatic gluconeogenesis and increases glycogen synthesis via AMPK/ACC signaling pathways in streptozotocin-induced diabetic rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 103, 1012-1017.	2.5	46
14	Biochemical and molecular aspects of 1,2-dimethylhydrazine (DMH)-induced colon carcinogenesis: a review. <i>Toxicology Research</i> , 2020, 9, 2-18.	0.9	39
15	Asiatic acid prevents lipid peroxidation and improves antioxidant status in rats with streptozotocin-induced diabetes. <i>Journal of Functional Foods</i> , 2013, 5, 1077-1087.	1.6	38
16	Protective Effects of Syringic Acid against Acetaminophen-Induced Hepatic Damage in Albino Rats. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2010, 21, 369-386.	0.7	37
17	Guava Leaf Extract Diminishes Hyperglycemia and Oxidative Stress, Prevents β -Cell Death, Inhibits Inflammation, and Regulates NF- κ B Signaling Pathway in STZ Induced Diabetic Rats. <i>BioMed Research International</i> , 2018, 2018, 1-14.	0.9	35
18	7, 8-Dihydroxycoumarin (daphnetin) protects INS-1 pancreatic β 2-cells against streptozotocin-induced apoptosis. <i>Phytomedicine</i> , 2017, 24, 119-126.	2.3	33

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19	Effect of Rebaudioside A, a diterpenoid on glucose homeostasis in STZ-induced diabetic rats. <i>Journal of Physiology and Biochemistry</i> , 2012, 68, 421-431.	1.3	32
20	Phloretin loaded chitosan nanoparticles enhance the antioxidants and apoptotic mechanisms in DMBA induced experimental carcinogenesis. <i>Chemico-Biological Interactions</i> , 2019, 308, 11-19.	1.7	32
21	Green synthesis of gold nanoparticle using <i>Eclipta alba</i> and its antidiabetic activities through regulation of Bcl-2 expression in pancreatic cell line. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101786.	1.4	30
22	Antioxidant and Antibacterial Profiling of Pomegranate-pericarp Extract Functionalized-zinc Oxide Nanocomposite. <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 728-737.	1.4	26
23	Modulating efficacy of Rebaudioside A, a diterpenoid on antioxidant and circulatory lipids in experimental diabetic rats. <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 472-483.	2.0	25
24	Antidiabetic Activity of Gold Nanoparticles Synthesized Using Wedelolactone in RIN-5F Cell Line. <i>Antioxidants</i> , 2020, 9, 8.	2.2	22
25	Polydatin Encapsulated Poly [Lactic-co-glycolic acid] Nanoformulation Counteract the 7,12-Dimethylbenz[a] Anthracene Mediated Experimental Carcinogenesis through the Inhibition of Cell Proliferation. <i>Antioxidants</i> , 2019, 8, 375.	2.2	20
26	Bioengineered gold nanoparticles using <i>Cynodon dactylon</i> extract and its cytotoxicity and antibacterial activities. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1253-1262.	1.7	15
27	Attenuation of oxidative stress by syringic acid on acetaminophen-induced nephrotoxic rats. <i>Comparative Clinical Pathology</i> , 2012, 21, 1559-1564.	0.3	8
28	Facile green preparation of PLGA nanoparticles using wedelolactone: Its cytotoxicity and antimicrobial activities. <i>Inorganic Chemistry Communication</i> , 2021, 129, 108583.	1.8	7
29	Recent development in black garlic: Nutraceutical applications and health-promoting phytoconstituents. <i>Food Reviews International</i> , 2023, 39, 3534-3554.	4.3	5
30	Guava leaves extract ameliorates STZ induced diabetes mellitus via activation of PI3K/AKT signaling in skeletal muscle of rats. <i>Molecular Biology Reports</i> , 2020, 47, 2793-2799.	1.0	4
31	The pro-apoptotic and cytotoxic efficacy of polydatin encapsulated poly(lactic-co-glycolic acid) (PLGA) nanoparticles. <i>Process Biochemistry</i> , 2021, 111, 210-218.	1.8	2
32	Synthesis and Assessment of Lipid Nanovesicles for Efficient Transdermal Delivery of Hydrophilic Molecules. <i>Nano</i> , 2022, 17, .	0.5	1