

Visweswara Rao Pasupuleti

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,612
citations

304368

22
h-index

205818

48
g-index

80
all docs

80
docs citations

80
times ranked

3250
citing authors

#	ARTICLE	IF	CITATIONS
1	An <i>in silico</i> ADMET, molecular docking study and microwave-assisted synthesis of new phosphorylated derivatives of thiazolidinedione as potential anti-diabetic agents. <i>Synthetic Communications</i> , 2022, 52, 300-315.	1.1	7
2	Nanoscience and nanotechnology advances in food industry. , 2022, , 721-732.		3
3	Impact of Single Amino Acid Substitutions in Parkinsonism-Associated Deglycase-PARK7 and Their Association with Parkinson's Disease. <i>Journal of Personalized Medicine</i> , 2022, 12, 220.	1.1	4
4	Sonication-supported synthesis of cobalt oxide assembled on an N-MWCNT composite for electrochemical supercapacitors via three-electrode configuration. <i>Scientific Reports</i> , 2022, 12, 1998.	1.6	17
5	Hepatoprotective Potential of Malaysian Medicinal Plants: A Review on Phytochemicals, Oxidative Stress, and Antioxidant Mechanisms. <i>Molecules</i> , 2022, 27, 1533.	1.7	20
6	Therapeutic Outcomes of Isatin and Its Derivatives against Multiple Diseases: Recent Developments in Drug Discovery. <i>Pharmaceuticals</i> , 2022, 15, 272.	1.7	43
7	Bax/Bcl-2 Cascade Is Regulated by the EGFR Pathway: Therapeutic Targeting of Non-Small Cell Lung Cancer. <i>Frontiers in Oncology</i> , 2022, 12, 869672.	1.3	30
8	Therapeutic Implications of Caffeic Acid in Cancer and Neurological Diseases. <i>Frontiers in Oncology</i> , 2022, 12, 860508.	1.3	76
9	Potential Therapeutic Implications of Caffeic Acid in Cancer Signaling: Past, Present, and Future. <i>Frontiers in Pharmacology</i> , 2022, 13, 845871.	1.6	21
10	Development of Protein Rich Pregelatinized Whole Grain Cereal Bar Enriched With Nontraditional Ingredient: Nutritional, Phytochemical, Textural, and Sensory Characterization. <i>Frontiers in Nutrition</i> , 2022, 9, 870819.	1.6	5
11	Comparative study of nitrogen doped multi walled carbon nanotubes grafted with carboxy methyl cellulose hybrid composite by inverse gas chromatography and its UV photo detectors application. <i>Journal of Chromatography A</i> , 2022, 1670, 462997.	1.8	5
12	Molecular Insights into Coumarin Analogues as Antimicrobial Agents: Recent Developments in Drug Discovery. <i>Antibiotics</i> , 2022, 11, 566.	1.5	25
13	Comparative analysis of web-based programs for single amino acid substitutions in proteins. <i>PLoS ONE</i> , 2022, 17, e0267084.	1.1	6
14	Autophagy and EMT in cancer and metastasis: Who controls whom?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166431.	1.8	43
15	Infection Dynamics of ATG8 in Leishmania: Balancing Autophagy for Therapeutics. <i>Molecules</i> , 2022, 27, 3142.	1.7	6
16	Gallocatechin-silver nanoparticles embedded in cotton gauze patches accelerated wound healing in diabetic rats by promoting proliferation and inhibiting apoptosis through the Wnt/ β -catenin signaling pathway. <i>PLoS ONE</i> , 2022, 17, e0268505.	1.1	5
17	Biomarkers of Oxidative Stress Tethered to Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-15.	1.9	29
18	Recent Progress in Development of Dressings Used for Diabetic Wounds with Special Emphasis on Scaffolds. <i>BioMed Research International</i> , 2022, 2022, 1-43.	0.9	12

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19	Green Synthesis, Antioxidant, and Plant Growth Regulatory Activities of Novel \pm -Furfuryl-2-alkylaminophosphonates. ACS Omega, 2021, 6, 2934-2948.	1.6	11
20	Synthesis and Anti-Pancreatic Cancer Activity Studies of Novel 3-Amino-2-hydroxybenzofused 2-Phospha- β -lactones. ACS Omega, 2021, 6, 11375-11388.	1.6	6
21	A Mini Review on Emerging Targets and Approaches for the Synthesis of Anti-viral Compounds: In Perspective to COVID-19. Mini-Reviews in Medicinal Chemistry, 2021, 21, 1173-1181.	1.1	3
22	Ultrasonication-mediated nitrogen-doped multiwalled carbon nanotubes involving carboxy methylcellulose composite for solid-state supercapacitor applications. Scientific Reports, 2021, 11, 9918.	1.6	24
23	Synthesis, antioxidant activity and bioinformatics studies of L-3-hydroxytyrosine templated N-alkyl/aryl substituted urea/thioureas. Bioorganic Chemistry, 2021, 111, 104837.	2.0	10
24	Natural Resources for Human Health: A New Interdisciplinary Journal Dedicated to Natural Sciences. , 2021, 1, 1-2.		0
25	Green Biosynthesis, Antioxidant, Antibacterial, and Anticancer Activities of Silver Nanoparticles of Luffa acutangula Leaf Extract. BioMed Research International, 2021, 2021, 1-28.	0.9	14
26	Gallocatechinâ€silver nanoparticle impregnated cotton gauze patches enhance wound healing in diabetic rats by suppressing oxidative stress and inflammation via modulating the Nrf2/HO-1 and TLR4/NF- κ B pathways. Life Sciences, 2021, 286, 120019.	2.0	22
27	Multifaceted phytogetic silver nanoparticles by an insectivorous plant Drosera spatulata Labill var. bakoensis and its potential therapeutic applications. Scientific Reports, 2021, 11, 21969.	1.6	17
28	Bitter Gourd Honey Ameliorates Hepatic and Renal Diabetic Complications on Type 2 Diabetes Rat Models by Antioxidant, Anti-Inflammatory, and Anti-Apoptotic Mechanisms. Foods, 2021, 10, 2872.	1.9	7
29	Biogenic Silver Nanoparticles Using Rhinacanthus Nasutus Leaf Extract: Synthesis, Spectral Analysis, and Antimicrobial Studies [Retraction]. International Journal of Nanomedicine, 2021, Volume 16, 8305-8306.	3.3	0
30	Hunig's base catalyzed synthesis of new 1-(2,3-dihydro-1H-inden-1-yl)-3-aryl urea/thiourea derivatives as potent antioxidants and 2HCK enzyme growth inhibitors. Bioorganic Chemistry, 2020, 95, 103558.	2.0	5
31	Green Synthesis of 1-Aryl-2,3,4,9-Tetrahydro-1H-B-Carbolines using Fe(III)-Montmorillonite and Study of their Antimicrobial Activity. Pharmaceutical Chemistry Journal, 2020, 54, 365-371.	0.3	3
32	Synthesis of novel cytotoxic tetracyclic acridone derivatives and study of their molecular docking, ADMET, QSAR, bioactivity and protein binding properties. Scientific Reports, 2020, 10, 20720.	1.6	22
33	Surface Thermo-Dynamic Characterization of Poly (Vinylidene Chloride-Co-Acrylonitrile) (P(VDC-co-AN)) Using Inverse-Gas Chromatography and Investigation of Visual Traits Using Computer Vision Image Processing Algorithms. Polymers, 2020, 12, 1631.	2.0	10
34	A Review on Oxidative Stress, Diabetic Complications, and the Roles of Honey Polyphenols. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-16.	1.9	45
35	Multiple molecular targets mediated antioxidant activity, molecular docking, ADMET, QSAR and bioactivity studies of halo substituted urea derivatives of \pm -Methyl- -DOPA. Bioorganic Chemistry, 2020, 97, 103708.	2.0	11
36	A critical review on computer vision and artificial intelligence in food industry. Journal of Agriculture and Food Research, 2020, 2, 100033.	1.2	158

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37	Synthesis of New 4-Chloro-6-Methylpyrimidin-2-yl-Aminophosphonates as Potential DU145 and A549 Cancer Cell Inhibitors. <i>Letters in Drug Design and Discovery</i> , 2020, 17, 396-410.	0.4	3
38	COVID-19: Need of the hour to revisit asymptomatic prevalence of coronavirus pandemic. <i>Malaysian Journal of ELT Research</i> , 2020, 1, 1-4.	0.1	1
39	Polyphenols and Flavonoids from Honey: A Special Focus on Diabetes. , 2020, , 1-20.		2
40	Surface characterization and London dispersive surface free energy of functionalized single-walled carbon nanotubes with a blend of polytetrafluoroethylene by inverse gas chromatography. <i>Surface and Interface Analysis</i> , 2019, 51, 516-524.	0.8	8
41	Balanced diets in food systems: Emerging trends and challenges for human health. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 2746-2759.	5.4	14
42	Bioregeneration of spent activated carbon: Review of key factors and recent mathematical models of kinetics. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 893-902.	1.7	15
43	Effect of high and low frequency exercise therapy in patients after coronary artery bypass graft surgery. <i>Lancet, The</i> , 2017, 389, S79.	6.3	0
44	Inverse Gas Chromatography Study on London Dispersive Surface Free Energy and Electron Acceptorâ€“Donor of Fluconazole Drug. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 2090-2094.	1.0	14
45	Pancreatoprotective effects of <i>Geniotrigona thoracica</i> stingless bee honey in streptozotocin-nicotinamide-induced male diabetic rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 135-145.	2.5	62
46	Adsorptive removal of hexavalent chromium using sawdust: Enhancement of biosorption and bioreduction. <i>Separation Science and Technology</i> , 2017, 52, 1707-1716.	1.3	9
47	Size dependent effects of antifungal phytogetic silver nanoparticles on germination, growth and biochemical parameters of rice (<i>Oryza sativa</i> L), maize (<i>Zea mays</i> L) and peanut () Tj ETQq1 1 0.7843.14 rgBT /O verlock 1	1.0	10
48	Biomimetic synthesis and anticancer activity of <i>Eurycoma longifolia</i> branch extractâ€“mediated silver nanoparticles. <i>IET Nanobiotechnology</i> , 2017, 11, 889-897.	1.9	10
49	Honey, Propolis, and Royal Jelly: A Comprehensive Review of Their Biological Actions and Health Benefits. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-21.	1.9	476
50	Phytochemicals and Biogenic Metallic Nanoparticles as Anticancer Agents. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-15.	1.9	115
51	Biological and therapeutic effects of honey produced by honey bees and stingless bees: a comparative review. <i>Revista Brasileira De Farmacognosia</i> , 2016, 26, 657-664.	0.6	210
52	Rhinacanthin C ameliorates hyperglycaemia, hyperlipidemia and pancreatic destruction in streptozotocinâ€“nicotinamide induced adult male diabetic rats. <i>European Journal of Pharmacology</i> , 2016, 771, 173-190.	1.7	30
53	Phytochemical Analysis and in vitro Evaluation of Antidiabetic Activity of <i>Diospyros buxifolia</i> . <i>American Journal of Biochemistry and Molecular Biology</i> , 2016, 6, 95-101.	0.6	0
54	Medicinal Plants in Management of Type 2 Diabetes and Neurodegenerative Disorders. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-2.	0.5	3

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55	Potential Agrowastes for Biofuels. , 2015, , 181-190.		0
56	Synthesis of N-(3-picolyl)-based 1,3,2 λ 5-benzoxazaphosphinamides as potential 11 β -HSD1 enzyme inhibitors. Medicinal Chemistry Research, 2015, 24, 1119-1135.	1.1	16
57	Recent Advances in Nanotechnology-Based Diagnosis and Treatments of Diabetes. Current Drug Metabolism, 2015, 16, 371-375.	0.7	37
58	Mesoporous Silica Powder for Dental Restoration Composites from Rice Husk: A Green Solâ€“Gel Synthesis. , 2015, , 245-258.		0
59	Identification of Phenolic Acids and Flavonoids in Monofloral Honey from Bangladesh by High Performance Liquid Chromatography: Determination of Antioxidant Capacity. BioMed Research International, 2014, 2014, 1-11.	0.9	72
60	Aqueous Extract of <i>Phyllanthus niruri</i> Leaves Displays <i>In Vitro</i> Antioxidant Activity and Prevents the Elevation of Oxidative Stress in the Kidney of Streptozotocin-Induced Diabetic Male Rats. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-10.	0.5	37
61	Cinnamon: A Multifaceted Medicinal Plant. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-12.	0.5	417
62	Rhinacanthus nasutus restores the glycogen and liver functional markers in streptozotocin â€“ induced diabetic rats. Asian Pacific Journal of Tropical Disease, 2014, 4, 232.	0.5	3
63	Design, Synthesis, Antioxidant, and Antiâ€“Breast Cancer Activities of Novel Diethyl(alkyl/aryl/heteroaryl)amino(4â€“pyridinâ€“yl)phenyl)methylphosphonates. Archiv Der Pharmazie, 2013, 346, 380-391.	2.1	19
64	<i>Rhinacanthus nasutus</i> Ameliorates Cytosolic and Mitochondrial Enzyme Levels in Streptozotocin-Induced Diabetic Rats. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-6.	0.5	15
65	<i>Rhinacanthus nasutus</i> Improves the Levels of Liver Carbohydrate, Protein, Glycogen, and Liver Markers in Streptozotocin-Induced Diabetic Rats. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-7.	0.5	17
66	Biogenic silver nanoparticles using <i>Rhinacanthus nasutus</i> leaf extract: synthesis, spectral analysis, and antimicrobial studies. International Journal of Nanomedicine, 2013, 8, 3355.	3.3	76
67	Analysis of the Phytochemical Content and the Antibacterial, Antifungal and Antioxidant Activities of the Roots, Stems and Leaves of <i>Hemidesmus indicus</i> , <i>Ocimum sanctum</i> and <i>Tinospora cordifolia</i> . International Journal of Pharmacology, 2013, 9, 277-287.	0.1	1
68	<i>Rhinacanthus nasutus</i> â€“ Its protective role in oxidative stress and antioxidant status in streptozotocin induced diabetic rats. Asian Pacific Journal of Tropical Disease, 2012, 2, 327-330.	0.5	26
69	Pharmacological Effects of <i>Pimpinella tirupatiensis</i> on Altered Urea Cycle and Liver Function Markers in Diabetic Rats. International Journal of Pharmacology, 2012, 8, 382-388.	0.1	1
70	Seasonal Variation of Post-harvest Contaminating Micro Flora of Tomato and Beans. Research Journal of Microbiology, 2012, 7, 205-208.	0.2	0
71	Synthesis, Antimicrobial, and Antioxidant Activity of New λ -Aminophosphonates. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1411-1421.	0.8	33
72	Synthesis and Antioxidant Activity of Substitutedâ€“1,3,2â€“Diazaphosphole 1â€“Oxides. Archiv Der Pharmazie, 2011, 344, 765-770.	2.1	13

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73	Synthesis and bio-activity evaluation of tetraphenyl(phenylamino) methylene bisphosphonates as antioxidant agents and as potent inhibitors of osteoclasts in vitro. European Journal of Medicinal Chemistry, 2011, 46, 1798-1802.	2.6	32
74	Hypolipidemic Properties of Rhinacanthus nasutus in Streptozotocin Induced Diabetic Rats. Journal of Pharmacology and Toxicology, 2011, 6, 589-595.	0.4	11
75	Synthesis, spectral characterization and biological evaluation of phosphorylated derivatives of galanthamine. European Journal of Medicinal Chemistry, 2010, 45, 203-209.	2.6	35
76	Synthesis and bioactivity of phosphorylated derivatives of stavudine. European Journal of Chemistry, 2010, 1, 297-301.	0.3	4
77	Microwave Assisted One-pot Synthesis of Novel $\hat{\pm}$ -Aminophosphonates and heir Biological Activity. Bulletin of the Korean Chemical Society, 2010, 31, 1863-1868.	1.0	33