

Visweswara Rao Pasupuleti

List of Publications by Year in descending order

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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	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
2	Cinnamon: A Multifaceted Medicinal Plant. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-12.	0.5	417
3	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
4	A critical review on computer vision and artificial intelligence in food industry. <i>Journal of Agriculture and Food Research</i> , 2020, 2, 100033.	1.2	158
5	Phytochemicals and Biogenic Metallic Nanoparticles as Anticancer Agents. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-15.	1.9	115
6	Biogenic silver nanoparticles using <i>Rhinacanthus nasutus</i> leaf extract: synthesis, spectral analysis, and antimicrobial studies. <i>International Journal of Nanomedicine</i> , 2013, 8, 3355.	3.3	76
7	Therapeutic Implications of Caffeic Acid in Cancer and Neurological Diseases. <i>Frontiers in Oncology</i> , 2022, 12, 860508.	1.3	76
8	Identification of Phenolic Acids and Flavonoids in Monofloral Honey from Bangladesh by High Performance Liquid Chromatography: Determination of Antioxidant Capacity. <i>BioMed Research International</i> , 2014, 2014, 1-11.	0.9	72
9	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
10	A Review on Oxidative Stress, Diabetic Complications, and the Roles of Honey Polyphenols. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-16.	1.9	45
11	Therapeutic Outcomes of Isatin and Its Derivatives against Multiple Diseases: Recent Developments in Drug Discovery. <i>Pharmaceuticals</i> , 2022, 15, 272.	1.7	43
12	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
13	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. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-10.	0.5	37
14	Recent Advances in Nanotechnology-Based Diagnosis and Treatments of Diabetes. <i>Current Drug Metabolism</i> , 2015, 16, 371-375.	0.7	37
15	Synthesis, spectral characterization and biological evaluation of phosphorylated derivatives of galanthamine. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 203-209.	2.6	35
16	Synthesis, Antimicrobial, and Antioxidant Activity of New $\hat{\pm}$ -Aminophosphonates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 1411-1421.	0.8	33
17	Microwave Assisted One-pot Synthesis of Novel $\hat{\pm}$ -Aminophosphonates and heir Biological Activity. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 1863-1868.	1.0	33
18	Synthesis and bio-activity evaluation of tetraphenyl(phenylamino) methylene bisphosphonates as antioxidant agents and as potent inhibitors of osteoclasts in vitro. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 1798-1802.	2.6	32

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19	Rhinacanthin C ameliorates hyperglycaemia, hyperlipidemia and pancreatic destruction in streptozotocin-induced nicotinamide induced adult male diabetic rats. <i>European Journal of Pharmacology</i> , 2016, 771, 173-190.	1.7	30
20	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
21	Biomarkers of Oxidative Stress Tethered to Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-15.	1.9	29
22	Rhinacanthus nasutus – Its protective role in oxidative stress and antioxidant status in streptozotocin induced diabetic rats. <i>Asian Pacific Journal of Tropical Disease</i> , 2012, 2, 327-330.	0.5	26
23	Molecular Insights into Coumarin Analogues as Antimicrobial Agents: Recent Developments in Drug Discovery. <i>Antibiotics</i> , 2022, 11, 566.	1.5	25
24	Ultrasonication-mediated nitrogen-doped multiwalled carbon nanotubes involving carboxy methylcellulose composite for solid-state supercapacitor applications. <i>Scientific Reports</i> , 2021, 11, 9918.	1.6	24
25	Synthesis of novel cytotoxic tetracyclic acridone derivatives and study of their molecular docking, ADMET, QSAR, bioactivity and protein binding properties. <i>Scientific Reports</i> , 2020, 10, 20720.	1.6	22
26	Gallocatechin-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. <i>Life Sciences</i> , 2021, 286, 120019.	2.0	22
27	Potential Therapeutic Implications of Caffeic Acid in Cancer Signaling: Past, Present, and Future. <i>Frontiers in Pharmacology</i> , 2022, 13, 845871.	1.6	21
28	Hepatoprotective Potential of Malaysian Medicinal Plants: A Review on Phytochemicals, Oxidative Stress, and Antioxidant Mechanisms. <i>Molecules</i> , 2022, 27, 1533.	1.7	20
29	Design, Synthesis, Antioxidant, and Anti-Breast Cancer Activities of Novel Diethyl(alkyl/aryl/heteroaryl)amino(4-(pyridin-2-yl)phenyl)methylphosphonates. <i>Archiv Der Pharmazie</i> , 2013, 346, 380-391.	2.1	19
30	<i>Rhinacanthus nasutus</i> Improves the Levels of Liver Carbohydrate, Protein, Glycogen, and Liver Markers in Streptozotocin-Induced Diabetic Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-7.	0.5	17
31	Size dependent effects of antifungal phytochemical silver nanoparticles on germination, growth and biochemical parameters of rice (<i>Oryza sativa</i> L), maize (<i>Zea mays</i> L) and peanut (<i>Arachis hypogaea</i> L). <i>Trends in Food Science and Technology</i> , 2021, 110, 102704.	1.0	17
32	Multifaceted phytochemical silver nanoparticles by an insectivorous plant <i>Drosera spatulata</i> Labill var. <i>bakoensis</i> and its potential therapeutic applications. <i>Scientific Reports</i> , 2021, 11, 21969.	1.6	17
33	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
34	Synthesis of N-(3-picolyl)-based 1,3,2,4-benzoxazaphosphinamides as potential 11 β -HSD1 enzyme inhibitors. <i>Medicinal Chemistry Research</i> , 2015, 24, 1119-1135.	1.1	16
35	<i>Rhinacanthus nasutus</i> Ameliorates Cytosolic and Mitochondrial Enzyme Levels in Streptozotocin-Induced Diabetic Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-6.	0.5	15
36	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

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37	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
38	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
39	Green Biosynthesis, Antioxidant, Antibacterial, and Anticancer Activities of Silver Nanoparticles of <i>Luffa acutangula</i> Leaf Extract. <i>BioMed Research International</i> , 2021, 2021, 1-28.	0.9	14
40	Synthesis and Antioxidant Activity of Substitutedâ€”1,3,2â€”Diazaphosphole 1â€”Oxides. <i>Archiv Der Pharmazie</i> , 2011, 344, 765-770.	2.1	13
41	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
42	Multiple molecular targets mediated antioxidant activity, molecular docking, ADMET, QSAR and bioactivity studies of halo substituted urea derivatives of \pm -Methyl- <i>DOPA</i> . <i>Bioorganic Chemistry</i> , 2020, 97, 103708.	2.0	11
43	Green Synthesis, Antioxidant, and Plant Growth Regulatory Activities of Novel \pm -Furfuryl-2-alkylaminophosphonates. <i>ACS Omega</i> , 2021, 6, 2934-2948.	1.6	11
44	Hypolipidemic Properties of <i>Rhinacanthus nasutus</i> in Streptozotocin Induced Diabetic Rats. <i>Journal of Pharmacology and Toxicology</i> , 2011, 6, 589-595.	0.4	11
45	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
46	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. <i>Polymers</i> , 2020, 12, 1631.	2.0	10
47	Synthesis, antioxidant activity and bioinformatics studies of L-3-hydroxytyrosine templated N-alkyl/aryl substituted urea/thioureas. <i>Bioorganic Chemistry</i> , 2021, 111, 104837.	2.0	10
48	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
49	Surface characterization and London dispersive surface free energy of functionalized singleâ€”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
50	Bitter Gourd Honey Ameliorates Hepatic and Renal Diabetic Complications on Type 2 Diabetes Rat Models by Antioxidant, Anti-Inflammatory, and Anti-Apoptotic Mechanisms. <i>Foods</i> , 2021, 10, 2872.	1.9	7
51	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
52	Synthesis and Anti-Pancreatic Cancer Activity Studies of Novel 3-Amino-2-hydroxybenzofused 2-Phospha- β -lactones. <i>ACS Omega</i> , 2021, 6, 11375-11388.	1.6	6
53	Comparative analysis of web-based programs for single amino acid substitutions in proteins. <i>PLoS ONE</i> , 2022, 17, e0267084.	1.1	6
54	Infection Dynamics of ATG8 in <i>Leishmania</i> : Balancing Autophagy for Therapeutics. <i>Molecules</i> , 2022, 27, 3142.	1.7	6

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55	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. <i>Bioorganic Chemistry</i> , 2020, 95, 103558.	2.0	5
56	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
57	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
58	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
59	Synthesis and bioactivity of phosphorylated derivatives of stavudine. <i>European Journal of Chemistry</i> , 2010, 1, 297-301.	0.3	4
60	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
61	Rhinacanthus nasutus restores the glycogen and liver functional markers in streptozotocin induced diabetic rats. <i>Asian Pacific Journal of Tropical Disease</i> , 2014, 4, 232.	0.5	3
62	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
63	Green Synthesis of 1-Aryl-2,3,4,9-Tetrahydro-1H-B-Carbolines using Fe(II)-Montmorillonite and Study of their Antimicrobial Activity. <i>Pharmaceutical Chemistry Journal</i> , 2020, 54, 365-371.	0.3	3
64	A Mini Review on Emerging Targets and Approaches for the Synthesis of Anti-viral Compounds: In Perspective to COVID-19. <i>Mini-Reviews in Medicinal Chemistry</i> , 2021, 21, 1173-1181.	1.1	3
65	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
66	Nanoscience and nanotechnology advances in food industry. , 2022, , 721-732.		3
67	Polyphenols and Flavonoids from Honey: A Special Focus on Diabetes. , 2020, , 1-20.		2
68	Pharmacological Effects of Pimpinella tirupatiensis on Altered Urea Cycle and Liver Function Markers in Diabetic Rats. <i>International Journal of Pharmacology</i> , 2012, 8, 382-388.	0.1	1
69	Analysis of the Phytochemical Content and the Antibacterial, Antifungal and Antioxidant Activities of the Roots, Stems and Leaves of Hemidesmus indicus, Ocimum sanctum and Tinospora cordifolia. <i>International Journal of Pharmacology</i> , 2013, 9, 277-287.	0.1	1
70	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
71	Potential Agrowastes for Biofuels. , 2015, , 181-190.		0
72	Effect of high and low frequency exercise therapy in patients after coronary artery bypass graft surgery. <i>Lancet</i> , The, 2017, 389, S79.	6.3	0

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73	Natural Resources for Human Health: A New Interdisciplinary Journal Dedicated to Natural Sciences. , 2021, 1, 1-2.		0
74	Seasonal Variation of Post-harvest Contaminating Micro Flora of Tomato and Beans. Research Journal of Microbiology, 2012, 7, 205-208.	0.2	0
75	Mesoporous Silica Powder for Dental Restoration Composites from Rice Husk: A Green Sol-Gel Synthesis. , 2015, , 245-258.		0
76	Phytochemical Analysis and in vitro Evaluation of Antidiabetic Activity of Diospyros buxifolia. American Journal of Biochemistry and Molecular Biology, 2016, 6, 95-101.	0.6	0
77	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