

Gurudeeban Selvaraj

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

1,196
citations

393982

19
h-index

454577

30
g-index

86
all docs

86
docs citations

86
times ranked

1675
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation and superconducting properties of predicted ternary hydride <sc>ScYH ₆ </sc> under pressures. International Journal of Quantum Chemistry, 2021, 121, e26459.	1.0	20
2	Identifying potential drug targets and candidate drugs for COVID-19: biological networks and structural modeling approaches. F1000Research, 2021, 10, 127.	0.8	5
3	Are the Allergic Reactions of COVID-19 Vaccines Caused by mRNA Constructs or Nanocarriers? Immunological Insights. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 344-347.	2.2	26
4	Identifying potential drug targets and candidate drugs for COVID-19: biological networks and structural modeling approaches. F1000Research, 2021, 10, 127.	0.8	12
5	Structure-Based Virtual Screening Reveals Ibrutinib and Zanubrutinib as Potential Repurposed Drugs against COVID-19. International Journal of Molecular Sciences, 2021, 22, 7071.	1.8	22
6	Application of Artificial Intelligence in Drug Repurposing: A mini-review. Current Chinese Science, 2021, 1, 333-345.	0.2	1
7	Synthesis, antibacterial, anti-oxidant and molecular docking studies of imidazoquinolines. Heliyon, 2021, 7, e07484.	1.4	5
8	Interrogation of Bacillus anthracis SrtA active site loop forming open/close lid conformations through extensive MD simulations for understanding binding selectivity of SrtA inhibitors. Saudi Journal of Biological Sciences, 2021, 28, 3650-3659.	1.8	5
9	Editorial: Computational Genomics and Molecular Medicine for Emerging COVID-19. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1227-1229.	1.9	1
10	CoronaPep: An Anti-Coronavirus Peptide Generation Tool. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1299-1304.	1.9	5
11	Molecular docking and molecular dynamics simulation studies to identify potent AURKA inhibitors: assessing the performance of density functional theory, MM-GBSA and mass action kinetics calculations. Journal of Biomolecular Structure and Dynamics, 2020, 38, 4325-4335.	2.0	28
12	Combining in silico and in vitro approaches to identification of potent inhibitor against phospholipase A2 (PLA2). International Journal of Biological Macromolecules, 2020, 144, 53-66.	3.6	30
13	Circulating miR-1246 Targeting UBE2C, TNNI3, TRAIP, UCHL1 Genes and Key Pathways as a Potential Biomarker for Lung Adenocarcinoma: Integrated Biological Network Analysis. Journal of Personalized Medicine, 2020, 10, 162.	1.1	13
14	Integrated PPI- and WGCNA-Retrieval of Hub Gene Signatures Shared Between Barrett's Esophagus and Esophageal Adenocarcinoma. Frontiers in Pharmacology, 2020, 11, 881.	1.6	63
15	A theoretical study of chemical bonding and topological and electrostatic properties of the anti-leprosy drug dapson. Journal of Molecular Modeling, 2020, 26, 138.	0.8	7
16	Computational insights of two-dimensional infrared spectroscopy under electric fields in phosphorylcholine. International Journal of Quantum Chemistry, 2020, 120, e26169.	1.0	3
17	Prognostic Impact of Tissue Inhibitor of Metalloproteinase-1 in Non- Small Cell Lung Cancer: Systematic Review and Meta-Analysis. Current Medicinal Chemistry, 2020, 26, 7694-7713.	1.2	25
18	Ion Channels as Therapeutic Targets for Type 1 Diabetes Mellitus. Current Drug Targets, 2020, 21, 132-147.	1.0	7

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19	Computational Advances in Chronic Diseases Diagnostics and Therapy - II. Current Drug Targets, 2020, 21, 103-104.	1.0	5
20	The relationship between Chlorella sp. and zinc oxide nanoparticles: Changes in biochemical, oxygen evolution, and lipid production ability. Process Biochemistry, 2019, 85, 43-50.	1.8	28
21	Synergism of essential oils with lipid based nanocarriers: emerging trends in preservation of grains and related food products. Grain & Oil Science and Technology, 2019, 2, 21-26.	2.0	27
22	Emerging Trends on Nanoparticles and Nano-materials in Biomedical Applications -II. Current Pharmaceutical Design, 2019, 25, 2607-2608.	0.9	1
23	Computational Perspective on the Current State of the Methods and New Challenges in Cancer Drug Discovery. Current Pharmaceutical Design, 2019, 24, 3725-3726.	0.9	17
24	ImmunoMics Datasets and Tools: To Identify Potential Epitope Segments for Designing Chimeric Vaccine Candidate to Cervix Papilloma. Data, 2019, 4, 31.	1.2	4
25	Exploring the Papillomaviral Proteome to Identify Potential Candidates for a Chimeric Vaccine against Cervix Papilloma Using ImmunoMics and Computational Structural Vaccinology. Viruses, 2019, 11, 63.	1.5	30
26	Emerging Trends on Nanoparticles and Nano-Materials in Biomedical Applications-I. Current Pharmaceutical Design, 2019, 25, 1441-1442.	0.9	3
27	Computational Advances in Chronic Diseases Diagnostics and Therapy - I. Current Drug Targets, 2019, 21, 1-2.	1.0	6
28	Cancer Immunoinformatics: A Promising Era in the Development of Peptide Vaccines for Human Papillomavirus-induced Cervical Cancer. Current Pharmaceutical Design, 2019, 24, 3791-3817.	0.9	32
29	Viewing the Emphasis on State-of-the-Art Magnetic Nanoparticles: Synthesis, Physical Properties, and Applications in Cancer Theranostics. Current Pharmaceutical Design, 2019, 25, 1505-1523.	0.9	17
30	Inhibitory Effect of Excoecaria Agallocha L. Extracts on Elastase and Collagenase and Identification of Metabolites Using HPLC-UV-MS Techniques. Pharmaceutical Chemistry Journal, 2018, 51, 960-964.	0.3	4
31	Detoxification of aflatoxins on prospective approach: effect on structural, mechanical, and optical properties under pressures. Interdisciplinary Sciences, Computational Life Sciences, 2018, 10, 311-319.	2.2	10
32	Initial Decomposition of the Co-crystal of CL-20/TNT: Sensitivity Decrease under Shock Loading. Journal of Physical Chemistry C, 2018, 122, 24270-24278.	1.5	20
33	Designing of CD8 ⁺ and CD8 ⁺ -overlapped CD4 ⁺ epitope vaccine by targeting late and early proteins of human papillomavirus. Biologics: Targets and Therapy, 2018, Volume 12, 107-125.	3.0	22
34	Identification of target gene and prognostic evaluation for lung adenocarcinoma using gene expression meta-analysis, network analysis and neural network algorithms. Journal of Biomedical Informatics, 2018, 86, 120-134.	2.5	48
35	Towards the low-sensitive and high-energetic co-crystal explosive CL-20/TNT: from intermolecular interactions to structures and properties. Physical Chemistry Chemical Physics, 2018, 20, 17253-17261.	1.3	24
36	Topical Delivery of Nano-encapsulated Rutoside Medication for Diabetic Foot Ulcer in Rat Model. Nanoscience and Nanotechnology - Asia, 2018, 8, .	0.3	2

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37	Lipid Peroxidation, Enzymatic and Non-Enzymatic Alterations of DCM-F of <i>Rhizophora mucronata</i> in Diabetic Rats. <i>Journal of Complementary Medicine & Alternative Healthcare</i> , 2018, 7, .	0.0	0
38	In silico validation of microalgal metabolites against Diabetes mellitus. <i>Diabetes Mellitus</i> , 2017, 20, 301-307.	0.5	7
39	Effect of dichloromethane fraction of <i>Rhizophora mucronata</i> on carbohydrate, lipid and protein metabolism in type 2 diabetic rats. <i>Integrative Obesity and Diabetes</i> , 2017, 3, .	0.2	3
40	RuBisCO of Microalgae as Potential Targets for Nutraceutical Peptides: A Computational Study. <i>Biotechnology</i> , 2017, 16, 130-144.	0.5	5
41	COMPUTATIONAL SCREENING OF ANTI-DIABETIC MOLECULES FROM MICROALGAE METABOLITES BY MOLECULAR DOCKING. <i>Journal of Bioinformatics and Proteomics Review</i> , 2017, 3, 1-7.	0.2	1
42	Positive Regulation of <i>Rhizophora mucronata</i> Poir Extracts on Blood Glucose and Lipid Profile in Diabetic Rats. <i>Herbal Medicine Open Access</i> , 2016, 2, .	0.0	4
43	Insight on <i>Excoecaria agallocha</i> : An Overview. <i>Natural Products Chemistry & Research</i> , 2016, 04, .	0.2	10
44	Computational screening of dipeptidyl peptidase IV inhibitors from microalgal metabolites by pharmacophore modeling and molecular docking. <i>Phycological Research</i> , 2016, 64, 291-299.	0.8	7
45	Production and characterization of spherical thermostable silver nanoparticles from <i>Spirulina platensis</i> (Cyanophyceae). <i>Phycologia</i> , 2016, 55, 568-576.	0.6	27
46	Effect of Glycosin alkaloid from <i>Rhizophora apiculata</i> in non-insulin dependent diabetic rats and its mechanism of action: In vivo and in silico studies. <i>Phytomedicine</i> , 2016, 23, 632-640.	2.3	35
47	Influence of Rutoside Loaded Solid Lipid Nanoparticles to Enhance Oral Bioavailability: Characterization, Pharmacokinetic, and Pharmacodynamic Studies. <i>Advanced Science, Engineering and Medicine</i> , 2016, 8, 350-359.	0.3	3
48	Influence of <i>Rhizophora apiculata</i> Blume extracts on α -glucosidase: Enzyme kinetics and molecular docking studies. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015, 4, 653-660.	1.5	11
49	Antimicrobial and Radical Scavenging Effects of Alkaloid Extracts from <i>Rhizophora Mucronata</i> . <i>Pharmaceutical Chemistry Journal</i> , 2015, 49, 34-37.	0.3	13
50	Chemopreventive Effect of <i>Acanthus ilicifolius</i> Extract on Modulating Antioxidants, Lipid Peroxidation and Membrane Bound Enzymes in Diethyl Nitrosamine Induced Liver Carcinogenesis. <i>International Journal of Cancer Research</i> , 2015, 12, 1-16.	0.2	5
51	Influence of <i>Rhizophora apiculata</i> Flavonoids on Chemical and Thermal Induced Nociceptive Models. <i>British Journal of Pharmaceutical Research</i> , 2015, 7, 102-109.	0.4	7
52	Identification of Medicinal Mangrove <i>Rhizophora apiculata</i> Blume: Morphological, Chemical and DNA Barcoding Methods. <i>International Journal of Scientific and Engineering Research</i> , 2015, 6, 1283-1290.	0.1	1
53	Molecular docking studies on potential PPAR- α agonist from <i>Rhizophora apiculata</i> . <i>Bangladesh Journal of Pharmacology</i> , 2014, 9, .	0.1	6
54	Molecular docking, isolation and biological evaluation of <i>Rhizophora mucronata</i> flavonoids as anti-nociceptive agents. <i>Biomedicine and Preventive Nutrition</i> , 2014, 4, 555-560.	0.9	7

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55	Documentation of hypoglycemic and wound healing plants in Kodyampalayam coastal village (southeast coast of India). <i>Journal of Coastal Life Medicine</i> , 2014, , .	0.2	2
56	Influence of Leaf Broth Concentration of <i>Excoecaria Agallocha</i> as a Process Variable in Silver Nanoparticles Synthesis. <i>Journal of Nanomedicine Research</i> , 2014, 1, .	1.8	4
57	Chemical Compositions of Medicinal Mangrove Species <i>Acanthus ilicifolius</i> , <i>Excoecaria agallocha</i> , <i>Rhizophora apiculata</i> and <i>Rhizophora mucronata</i> . <i>Current Research in Chemistry</i> , 2014, 7, 1-8.	0.5	17
58	Molecular Docking Studies of <i>Rhizophora mucronata</i> Alkaloids Against Neuroinflammatory Marker Cyclooxygenase 2. <i>International Journal of Biological Chemistry</i> , 2014, 8, 91-99.	0.3	6
59	Qualitative and Quantitative Phytochemical Studies of <i>Acanthus ilicifolius</i> . <i>Research Journal of Phytochemistry</i> , 2014, 8, 133-138.	0.1	3
60	Anti-nociceptive effect in mice of thillai flavonoid rutin. <i>Biomedical and Environmental Sciences</i> , 2014, 27, 295-9.	0.2	17
61	In vitro Anticancer Effect of <i>Acanthus ilicifolius</i> on Hepatocellular Carcinoma Cells. <i>Asian Journal of Biochemistry</i> , 2014, 9, 179-186.	0.5	2
62	Green Revolution towards Nanobiotechnology. <i>Journal of Nanomedicine Research</i> , 2014, 2, .	1.8	0
63	Formulation and Evaluation of Tablets from Antidiabetic Alkaloid Glycosin. <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , 2014, 15, 18-24.	0.0	2
64	Antimicrobial and radical scavenging effects of alkaloid extracts from <i>Rhizophora mucronata</i> . <i>Pharmaceutical Chemistry Journal</i> , 2013, 47, 50-53.	0.3	19
65	Phylogeny of Indian Rhizophoraceae Based on the Molecular Data from Chloroplast tRNA ^{LEU} Intergenic Sequences. <i>Pakistan Journal of Biological Sciences</i> , 2013, 16, 1130-1137.	0.2	1
66	Direct Organogenesis of Seaside Heliotrope (<i>Heliotropium crassavicum</i>) Using Stem Explants. <i>Pakistan Journal of Biological Sciences</i> , 2013, 16, 1216-1219.	0.2	2
67	<i>Ipomoea pes-caprae</i> Mediated Silver Nanoparticles and their Antibacterial Effect. <i>Science International</i> , 2013, 1, 155-159.	0.4	5
68	Dipeptidyl peptidase IV inhibitors derived from a mangrove flora <i>Rhizophora mucronata</i> : An <i>in silico</i> approach. <i>Bangladesh Journal of Pharmacology</i> , 2012, 7, .	0.1	13
69	Alpha glucosidase inhibitory effect and enzyme kinetics of coastal medicinal plants. <i>Bangladesh Journal of Pharmacology</i> , 2012, 7, .	0.1	20
70	Genetic Identification of <i>Ceriops decandra</i> (Chiru Kandal) using tRNA (Leu) Molecular Marker. <i>Asian Journal of Plant Sciences</i> , 2012, 11, 91-95.	0.2	2
71	Antidiabetic effect of a black mangrove species <i>Aegiceras corniculatum</i> in alloxan-induced diabetic rats. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2012, 3, 52-6.	0.4	18
72	Effect of antioxidant and anti-aggregating properties of micro-propagated plantlets of <i>Ruta graveolens</i> . <i>African Journal of Biotechnology</i> , 2012, 11, .	0.3	2

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73	Biomedical potential of silver nanoparticles synthesized from calli cells of <i>Citrullus colocynthis</i> (L.) Schrad. <i>Journal of Nanobiotechnology</i> , 2011, 9, 43.	4.2	161
74	Effect of Plant Growth Regulators on Callus Induction and Plantlet Regeneration of Bitter Apple (<i>Citrullus colocynthis</i>) from Stem Explant. <i>Asian Journal of Biotechnology</i> , 2011, 3, 246-253.	0.3	24
75	Production of Extra Cellular α -amylase using <i>Bacillus megaterium</i> isolated from White Mangrove (<i>Avicennia marina</i>). <i>Asian Journal of Biotechnology</i> , 2011, 3, 310-316.	0.3	15
76	Standardization of DNA Isolation and PCR Protocol for RAPD Analysis of <i>Suaeda</i> sp.. <i>Asian Journal of Biotechnology</i> , 2011, 3, 486-492.	0.3	11
77	Local Anesthetic Effect of <i>Citrullus colocynthis</i> on <i>Rana hexadactyla</i> . <i>Research Journal of Medicinal Plant</i> , 2011, 5, 338-342.	0.3	13
78	Plant Mediated Synthesis of Biomedical Silver Nanoparticles by Using Leaf Extract of <i>Citrullus colocynthis</i> . <i>Research Journal of Nanoscience and Nanotechnology</i> , 2011, 1, 95-101.	2.0	40
79	Bitter Apple (<i>Citrullus colocynthis</i>): An Overview of Chemical Composition and Biomedical Potentials. <i>Asian Journal of Plant Sciences</i> , 2010, 9, 394-401.	0.2	49
80	In vitro Plant Regeneration from Leaf Primordia of Gum-bearing Tree <i>Aegle marmelos</i> . <i>Research Journal of Forestry</i> , 2010, 4, 208-212.	0.5	3
81	Biochemical Indicators for Rooting in <i>Casuarina equisetifolia</i> Clones. <i>Asian Journal of Plant Sciences</i> , 2010, 9, 364-367.	0.2	1
82	Identifying potential drug targets and candidate drugs for COVID-19: biological networks and structural modeling approaches. <i>F1000Research</i> , 0, 10, 127.	0.8	10