

# Chandan Shivamallu

## List of Publications by Year in descending order

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43  
papers

658  
citations

623734

14  
h-index

642732

23  
g-index

43  
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43  
docs citations

43  
times ranked

590  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, Electronic, Vibrational and Pharmacological Investigations of Highly Functionalized Diarylmethane Molecules Using DFT Calculations, Molecular Dynamics and Molecular Docking. Polycyclic Aromatic Compounds, 2023, 43, 2177-2195.	2.6	4
2	Salicylic acid-mediated enhancement of resistance in tomato plants against Xanthomonas perforans. Saudi Journal of Biological Sciences, 2022, 29, 2253-2261.	3.8	3
3	Plants and endophytes "a partnership for the coumarin production through the microbial systems. Mycology, 2022, 13, 243-256.	4.4	14
4	Seroprevalence of sheeppox and goatpox virus in Asia and African continent: A systematic review and meta-analysis (Scientometrics). Veterinary World, 2022, 15, 455-464.	1.7	1
5	Eco-Friendly Synthesis of MnO <sub>2</sub> Nanorods Using Gmelina arborea Fruit Extract and Its Anticancer Potency Against MCF-7 Breast Cancer Cell Line. International Journal of Nanomedicine, 2022, Volume 17, 901-907.	6.7	13
6	N-((1H-Pyrrol-2-yl)methylene)-6-methoxypyridin-3-amine and Its Co(II) and Cu(II) Complexes as Antimicrobial Agents: Chemical Preparation, In Vitro Antimicrobial Evaluation, In Silico Analysis and Computational and Theoretical Chemistry Investigations. Molecules, 2022, 27, 1436.	3.8	6
7	Nanoconjugate Synthesis of Elaeocarpus ganitrus and the Assessment of Its Antimicrobial and Antiproliferative Properties. Molecules, 2022, 27, 2442.	3.8	5
8	Anti-breast cancer potential of MnO <sub>2</sub> nanoparticles using Terminalia chebula fruit extract against MCF-7 cell line through in vitro cell cycle and apoptotic studies. Materials Today: Proceedings, 2022, , .	1.8	3
9	Review of Known and Unknown Facts of Klebsiella Pneumoniae and its Relationship with Antibiotics. Biomedical and Pharmacology Journal, 2022, 15, 643-650.	0.5	2
10	In silico evaluation of flavonoids as effective antiviral agents on the spike glycoprotein of SARS-CoV-2. Saudi Journal of Biological Sciences, 2021, 28, 1040-1051.	3.8	66
11	Isolation and identification of Leptospira species from bovines by rpoB and LipL41 genes based phylogenetic analysis. Journal of King Saud University - Science, 2021, 33, 101272.	3.5	1
12	Antitumor Potential of Green Synthesized ZnONPs Using Root Extract of Withania somnifera against Human Breast Cancer Cell Line. Separations, 2021, 8, 8.	2.4	16
13	Antiviral and immunomodulatory activity of curcumin: A case for prophylactic therapy for COVID-19. Heliyon, 2021, 7, e06350.	3.2	86
14	Luteolin-Fabricated ZnO Nanostructures Showed PLK-1 Mediated Anti-Breast Cancer Activity. Biomolecules, 2021, 11, 385.	4.0	27
15	Biogenic Synthesis of NiO Nanoparticles Using Areca catechu Leaf Extract and Their Antidiabetic and Cytotoxic Effects. Molecules, 2021, 26, 2448.	3.8	28
16	Synonymous codon usage pattern among the S, M, and L segments in crimean-congo hemorrhagic fever causing virus. Bioinformation, 2021, 17, 479-491.	0.5	6
17	Investigation of Antifungal Properties of Synthetic Dimethyl-4-Bromo-1-(Substituted Benzoyl) Pyrrolo[1,2-a] Quinoline-2,3-Dicarboxylates Analogues: Molecular Docking Studies and Conceptual DFT-Based Chemical Reactivity Descriptors and Pharmacokinetics Evaluation. Molecules, 2021, 26, 2722.	3.8	18
18	Biosorption of oxybenzene using biosorbent prepared by raw wastes of Zea mays and comparative study by using commercially available activated carbon. Saudi Journal of Biological Sciences, 2021, 28, 3469-3476.	3.8	8

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19	Assessment of Chemopreventive Potential of the Plant Extracts against Liver Cancer Using HepG2 Cell Line. <i>Molecules</i> , 2021, 26, 4593.	3.8	14
20	Virtual screening of potential phyto-candidates as therapeutic leads against SARS-CoV-2 infection. <i>Environmental Challenges</i> , 2021, 4, 100136.	4.2	16
21	Investigation of Pharmaceutical Importance of 2H-Pyran-2-One Analogues via Computational Approaches. <i>Symmetry</i> , 2021, 13, 1619.	2.2	2
22	Synthesis, Computational Pharmacokinetics Report, Conceptual DFT-Based Calculations and Anti-Acetylcholinesterase Activity of Hydroxyapatite Nanoparticles Derived From <i>Acorus Calamus</i> Plant Extract. <i>Frontiers in Chemistry</i> , 2021, 9, 741037.	3.6	11
23	Genistein: A Potent Anti-Breast Cancer Agent. <i>Current Issues in Molecular Biology</i> , 2021, 43, 1502-1517.	2.4	53
24	Recent Advances on the Development of Chemosensors for the Detection of Mercury Toxicity: A Review. <i>Separations</i> , 2021, 8, 192.	2.4	14
25	Structural Diversity and Role of Phytochemicals against P38- $\hat{\pm}$ Mitogen-activated Protein Kinase and Epidermal Growth Factor Receptor Kinase Domain: A Privileged Computational Approach. <i>Journal of Pure and Applied Microbiology</i> , 2021, 15, 2263-2269.	0.9	4
26	Virtual Screening for Potential Phytobioactives as Therapeutic Leads to Inhibit NQO1 for Selective Anticancer Therapy. <i>Molecules</i> , 2021, 26, 6863.	3.8	5
27	Molecular docking analysis of phytocompounds from <i>Acacia farnesiana</i> with protein targets linked to bronchitis. <i>Bioinformatics</i> , 2021, 17, 557-567.	0.5	0
28	Phyto-Mediated Synthesis of Silver Nanoparticles Using <i>Terminalia chebula</i> Fruit Extract and Evaluation of Its Cytotoxic and Antimicrobial Potential. <i>Molecules</i> , 2020, 25, 5042.	3.8	17
29	Tumoricidal and Bactericidal Properties of ZnONPs Synthesized Using <i>Cassia auriculata</i> Leaf Extract. <i>Biomolecules</i> , 2020, 10, 982.	4.0	21
30	Preparation, Spectroscopic Characterization, Theoretical Investigations, and In Vitro Anticancer Activity of Cd(II), Ni(II), Zn(II), and Cu(II) Complexes of 4(3H)-Quinazolinone-Derived Schiff Base. <i>Molecules</i> , 2020, 25, 5973.	3.8	13
31	Indole moiety induced biological potency in pseudo-peptides derived from 2-amino-2-(1H-indole-2-yl) based acetamides: Chemical synthesis, in vitro anticancer activity and theoretical studies. <i>Journal of Molecular Structure</i> , 2020, 1217, 128445.	3.6	9
32	Tumoricidal Potential of Novel Amino-1,10-phenanthroline Derived Imine Ligands: Chemical Preparation, Structure, and Biological Investigations. <i>Molecules</i> , 2020, 25, 2865.	3.8	9
33	Evaluation of <i>Annona muricata</i> Acetogenins as Potential Anti-SARS-CoV-2 Agents Through Computational Approaches. <i>Frontiers in Chemistry</i> , 2020, 8, 624716.	3.6	25
34	Phyto anti-biofilm elicitors as potential inhibitors of <i>Helicobacter pylori</i> . <i>3 Biotech</i> , 2019, 9, 53.	2.2	14
35	Preparation, spectroscopic investigations and chemical reactivity properties of a new schiff base ligand and its copper (II) complexes. <i>Journal of Molecular Structure</i> , 2019, 1191, 17-23.	3.6	5
36	Phytogenic synthesis of silver nanobactericides for anti-biofilm activity against human pathogen <i>H. pylori</i> . <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	7

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37	One-pot synthesis of aqueous carbon quantum dots using bibenzoimidazolyl derivative and their antitumor activity against breast cancer cell lines. <i>Inorganic Chemistry Communication</i> , 2019, 101, 11-15.	3.9	14
38	Synthesis, characterization, in silico analysis and physicochemical properties of tin(II) and lead(II) coordination complexes prepared using 2-((3,5-dimethoxybenzylidene)amino)pyridin-3-ol and 1,10-phenanthroline. <i>Polyhedron</i> , 2019, 157, 536-547.	2.2	6
39	A Novel and One-pot Green Synthesis of Vanadium Oxide Nanorods Using a Phytomolecule Isolated from <i>Phyllanthus amarus</i> . <i>ChemistrySelect</i> , 2018, 3, 3860-3865.	1.5	18
40	Functionalized Silver Nano-Sensor for Colorimetric Detection of Hg <sup>2+</sup> Ions: Facile Synthesis and Docking Studies. <i>Sensors</i> , 2018, 18, 2698.	3.8	33
41	Green Synthesis of Biologically Active Silver Nanoparticles through a Phyto-mediated Approach Using <i>Areca catechu</i> Leaf Extract. <i>ChemistrySelect</i> , 2017, 2, 10354-10359.	1.5	14
42	Pseudo-peptides as novel antileptospiral agents: Synthesis and spectral characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 1152-1157.	3.9	6
43	Molecular detection of plant pathogenic bacteria using polymerase chain reaction single-strand conformation polymorphism. <i>Acta Biochimica Et Biophysica Sinica</i> , 2012, 44, 217-223.	2.0	21