

# Subramani Karthikeyan

## List of Publications by Year in descending order

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43  
papers

477  
citations

758635

12  
h-index

794141

19  
g-index

43  
all docs

43  
docs citations

43  
times ranked

543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the binding of thiosemicarbazone derivatives with human serum albumin: spectroscopy and molecular modelling studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 1264-1281.	2.0	50
2	Exploring the Binding Interaction Mechanism of Taxol in $\beta$ -Tubulin and Bovine Serum Albumin: A Biophysical Approach. <i>Molecular Pharmaceutics</i> , 2019, 16, 669-681.	2.3	33
3	Determination on the binding of thiaziazole derivative to human serum albumin: a spectroscopy and computational approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 817-828.	2.0	31
4	Paclitaxel conjugated Fe <sub>3</sub> O <sub>4</sub> @LaF <sub>3</sub> :Ce <sup>3+</sup> ,Tb <sup>3+</sup> nanoparticles as bifunctional targeting carriers for Cancer theranostics application. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 399, 207-215.	1.0	27
5	Comparative Binding Analysis of <i>N</i> -Acetylneuraminic Acid in Bovine Serum Albumin and Human $\beta$ -1 Acid Glycoprotein. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 326-338.	2.5	26
6	Synthesis, biological activity and molecular modeling of a new series of condensed 1,2,4-triazoles. <i>Bioorganic Chemistry</i> , 2019, 92, 103193.	2.0	23
7	A cytotoxicity, optical spectroscopy and computational binding analysis of 4-((3-acetyl-5-(acetylamino)-2-methyl-2,3,4-thiaziazole-2-yl)phenyl benzoate in calf thymus DNA. <i>Luminescence</i> , 2018, 33, 731-741.		
8	Linear and dendrimeric antiviral peptides: design, chemical synthesis and activity against human respiratory syncytial virus. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2607-2617.	2.9	19
9	Underlying the Mechanism of 5-Fluorouracil and Human Serum Albumin Interaction: A Biophysical Study. , 2016, 6, .		18
10	Highly reactive crystalline-phase-embedded strontium-bioactive nanorods for multimodal bioactive applications. <i>Biomaterials Science</i> , 2018, 6, 1764-1776.	2.6	18
11	Enhanced Emission of Zinc Nitride Colloidal Nanoparticles with Organic Dyes for Optical Sensors and Imaging Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 19245-19257.	4.0	17
12	Investigation of Optical Spectroscopic and Computational Binding Mode of Bovine Serum Albumin with 1, 4-Bis ((4-((4-heptylpiperazin-1-yl) Methyl)-1 <i>H</i> -1, 2, 3-triazol-4-yl) Methyl) Benzene. <i>Journal of Biochemical and Molecular Toxicology</i> , 2015, 29, 373-381.		
13	In silico, theoretical biointerface analysis and in vitro kinetic analysis of amine compounds interaction with acetylcholinesterase and butyrylcholinesterase. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 750-760.	3.6	13
14	Effect of Moderate UVC Irradiation on Bovine Serum Albumin and Complex with Antimetabolite 5-Fluorouracil: Fluorescence Spectroscopic and Molecular Modelling Studies. <i>International Journal of Spectroscopy</i> , 2015, 2015, 1-12.	1.4	12
15	Molecular interaction of silicon quantum dot micelles with plasma proteins: hemoglobin and thrombin. <i>RSC Advances</i> , 2019, 9, 14928-14936.	1.7	11
16	Aza-Henry and aza-Knoevenagel reactions of nitriles for the synthesis of pyrido[1,2-a]indoles. <i>Chemical Communications</i> , 2020, 56, 6527-6530.	2.2	11
17	Insights into the Binding of 3-(1-Phenylsulfonyl-2-methylindol-3-ylcarbonyl) Propanoic Acid to Bovine Serum Albumin: Spectroscopy and Molecular Modelling Studies. <i>Nano Biomedicine and Engineering</i> , 2015, 7, .	0.3	10
18	Synthesis, Crystal structure, Hirshfeld surface Analysis and computational approach of new 2-methylbenzimidazo[1,2-a]pyrimidin-4(1 <i>H</i> )-one. <i>Journal of Molecular Structure</i> , 2021, 1239, 130497.	1.8	10

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19	Understanding the binding information of 1-imino-1,2-dihydropyrazino[1,2-a]indol-3(4H)-one in bovine serum albumin, 5-hydroxytryptamine receptor 1B and human carbonic anhydrase I: A biophysical approach. <i>Journal of Molecular Liquids</i> , 2020, 304, 112793.	2.3	9
20	Investigation of Phloroglucinol Succinic Acid Dendrimer as Antimicrobial Agent against <i>Staphylococcus Aureus</i> , <i>Escherichia Coli</i> and <i>Candida Albicans</i> . <i>Nano Biomedicine and Engineering</i> , 2015, 7, .	0.3	9
21	Investigations on the Interactions of 5-Fluorouracil with Herring Sperm DNA: Steady State/Time Resolved and Molecular Modeling Studies. <i>Biophysical Reviews and Letters</i> , 2015, 10, 115-133.	0.9	8
22	Understanding the Binding Mechanism of a Pyrazino[1,2-a]indole Derivative with Calf Thymus DNA. <i>ChemistrySelect</i> , 2019, 4, 5214-5221.	0.7	8
23	Rapid Dilapidation of Alcohol Using Magnesium Oxide and Magnesium Aspartate based Nanostructures: A Raman Spectroscopic and Molecular Simulation Approach. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 1390-1399.	1.9	7
24	Homophthalonitrile for Multicomponent Reactions: Syntheses and Optical Properties of <i>o</i> -Cyanophenyl- or Indolyl-Substituted Chromeno[2,3-c]isoquinolin-5-amines. <i>ChemistryOpen</i> , 2019, 8, 23-30.	0.9	7
25	Microwave-Assisted Synthesis of Fluorescent Pyrido[2,3-b]indolizines from Alkylpyridinium Salts and Enaminones. <i>Molecules</i> , 2020, 25, 4059.	1.7	7
26	Unexpected synthesis of novel 2-pyrone derivatives: crystal structures, Hirshfeld surface analysis and computational studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 4859-4877.	2.0	7
27	Synthesis, Crystal Structure and Computational Investigation of New 4-Phenyldecahydro-1 <i>H</i> -1,5-benzodiazepin-2-one as Potent Inhibitor of $\mu$ -opioid Receptor. <i>ChemistrySelect</i> , 2020, 5, 4601-4607.	0.7	7
28	Binding studies of known molecules with acetylcholinesterase and bovine serum albumin: A comparative view. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 259, 119856.	2.0	7
29	Synthesis, spectroscopic characterizations, DFT, molecular docking and molecular dynamics simulations of a novel 2-methyl-3H-benzimidazo[1,2-b][1,2,4]triazepin-4(5H)-one. <i>Journal of Molecular Structure</i> , 2020, 1202, 127317.	1.8	5
30	Insights into the crystal structure of two newly synthesized quinoxalines derivatives as potent inhibitor for <i>c</i> -Jun <i>N</i> -terminal kinases. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 2797-2814.	2.0	5
31	A pilot study on parallel factor analysis as a diagnostic tool for oral cancer diagnosis: A statistical modeling approach. <i>Journal of Chemometrics</i> , 2021, 35, e3315.	0.7	5
32	Insights into the binding interaction mechanism of 12,12-dihydrochromeno[2,3-c]isoquinolin-5-amine in bovine serum albumin and prostaglandin H2 synthase-1: A biophysical approach. <i>Journal of Molecular Structure</i> , 2021, 1245, 131131.	1.8	5
33	Novel 3-chloro-6-nitro-1 <i>H</i> -indazole derivatives as promising antileishmanial candidates: synthesis, biological activity, and molecular modelling studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 151-167.	2.5	4
34	Reductive domino reaction to access chromeno[2,3-c]isoquinoline-5-amines with antiproliferative activities against human tumor cells. <i>Bioorganic Chemistry</i> , 2020, 104, 104169.	2.0	3
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37	A newly synthesized 6-methyl-7,8,9-[1,2,4]triazolo[4,3-b][1,2,4]triazepin-8-one for potential inhibitor of adenosine A1 receptor: a combined experimental and computational studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 3578-3586.	2.0	2
38	Efficient synthesis of imino-1,3-thiazinan-4-one promoted by acetonitrile electrogenerated base and computational studies with CB1 and 11 $\beta$ HSD1 molecules. <i>Research on Chemical Intermediates</i> , 2020, 46, 5535-5545.	1.3	2
39	Synthesis, characterization, anticancer activity, optical spectroscopic and docking studies of novel thiophene-2-carboxaldehyde derivatives. <i>European Journal of Chemistry</i> , 2016, 7, 454-462.	0.3	1
40	Crystal structures and dielectric properties of 4,4-dimethyl-6,6-dichlorothioindigo (Pigment Red 181). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 23-30.	0.5	1
41	Time-resolved emission spectroscopy to elucidate the functional nature of heat-stable transcription factor. <i>Journal of Cellular Biochemistry</i> , 0, , .	1.2	1
42	1-(4-(6-Fluorobenzo [ d ] isoxazol-3-yl) piperidin-1-yl)-2-(4-(hydroxymethyl)-1 H -1,2,3-triazol-1-yl) ethanone: Synthesis, spectroscopic characterization, Hirshfeld surface analysis, cytotoxic studies and docking studies. <i>Journal of Molecular Structure</i> , 2017, 1141, 276-283.	1.8	0
43	(Z)-3-(2-Aminoanilino)-1-phenylbut-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o780-o780.	0.2	0