

# 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 crystal structure of two newly synthesized quinoxalines derivatives as potent inhibitor for <i>c-Jun N-terminal kinases</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 2797-2814.	2.0	5
2	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
3	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
4	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
5	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
6	Synthesis, Crystal structure, Hirshfeld surface Analysis and computational approach of new 2-methylbenzimidazo[1,2- <i>a</i> ]pyrimidin-4(1 <i>H</i> )-one. <i>Journal of Molecular Structure</i> , 2021, 1239, 130497.	1.8	10
7	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
8	Insights into the binding interaction mechanism of 12,12-dihydrochromeno[2,3- <i>c</i> ]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
9	Crystal structures and dielectric properties of 4,4'-dimethyl-6,6'-dichloroindigo (Pigment Red 181). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 23-30.	0.5	1
10	A newly synthesized 6-methyl-7 <i>H</i> ,8 <i>H</i> ,9 <i>H</i> -[1,2,4]triazolo[4,3- <i>b</i> ][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
11	Synthesis, spectroscopic characterizations, DFT, molecular docking and molecular dynamics simulations of a novel 2-methyl-3 <i>H</i> -benzimidazolo[1,2- <i>b</i> ][1,2,4]triazepin-4(5 <i>H</i> )-one. <i>Journal of Molecular Structure</i> , 2020, 1202, 127317.	1.8	5
12	Reductive domino reaction to access chromeno[2,3- <i>c</i> ]isoquinoline-5-amines with antiproliferative activities against human tumor cells. <i>Bioorganic Chemistry</i> , 2020, 104, 104169.	2.0	3
13	Microwave-Assisted Synthesis of Fluorescent Pyrido[2,3- <i>b</i> ]indolizines from Alkylpyridinium Salts and Enaminones. <i>Molecules</i> , 2020, 25, 4059.	1.7	7
14	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
15	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
16	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
17	Understanding the binding information of 1-imino-1,2-dihydropyrazino[1,2- <i>a</i> ]indol-3(4 <i>H</i> )-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
18	Aza-Henry and aza-Knoevenagel reactions of nitriles for the synthesis of pyrido[1,2- <i>a</i> ]indoles. <i>Chemical Communications</i> , 2020, 56, 6527-6530.	2.2	11

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19	Synthesis, Crystal Structure and Computational Investigation of New 4-Phenyl-1,5-benzodiazepin-2-one as Potent Inhibitor of $\mu$ -Opioid Receptor. <i>ChemistrySelect</i> , 2020, 5, 4601-4607.	0.7	7
20	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
21	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
22	Molecular interaction of silicon quantum dot micelles with plasma proteins: hemoglobin and thrombin. <i>RSC Advances</i> , 2019, 9, 14928-14936.	1.7	11
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	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
25	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
26	Homophthalonitrile for Multicomponent Reactions: Syntheses and Optical Properties of <i>N</i> -Cyanophenyl- or Indolyl-Substituted Chromeno[2,3- <i>c</i> ]isoquinolin-5- <i>A</i> mines. <i>ChemistryOpen</i> , 2019, 8, 23-30.	0.9	7
27	A cytotoxicity, optical spectroscopy and computational binding analysis of 4-[(3-acetyl-5-(acetylamino)-2-methyl-2,3,4-thiadiazole-2-yl)]phenyl benzoate in calf thymus DNA. <i>Luminescence</i> , 2018, 33, 731-741.	2.0	20
28	4-Hydroxycoumarin Derivative: <i>N</i> -(diphenylmethyl)-2-[(2-oxo-2H-chromen-4-yl)oxy]acetamide Interaction with Human Serum Albumin. <i>Journal of Spectroscopy</i> , 2018, 2018, 1-14.	0.6	2
29	Highly reactive crystalline-phase-embedded strontium-bioactive nanorods for multimodal bioactive applications. <i>Biomaterials Science</i> , 2018, 6, 1764-1776.	2.6	18
30	Determination on the binding of thiadiazole 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
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37	Insights into the Binding of 3-(1-Phenylsulfonyl-2-methylindol-3-ylcarbonyl) Propanoic Acid to Bovine Serum Albumin: Spectroscopy and Molecular Modelling Studies. Nano Biomedicine and Engineering, 2015, 7, .	0.3	10
38	Investigations on the Interactions of 5-Fluorouracil with Herring Sperm DNA: Steady State/Time Resolved and Molecular Modeling Studies. Biophysical Reviews and Letters, 2015, 10, 115-133.	0.9	8
39	Effect of Moderate UVC Irradiation on Bovine Serum Albumin and Complex with Antimetabolite 5-Fluorouracil: Fluorescence Spectroscopic and Molecular Modelling Studies. International Journal of Spectroscopy, 2015, 2015, 1-12.	1.4	12
40	Investigation of Optical Spectroscopic and Computational Binding Mode of Bovine Serum Albumin with 1, 4-Bis((4-(Heptylpiperazin-1-yl) Methyl)-1, 2, 3-Triazol-1-yl) Methyl) Benzene. Journal of Biochemical and Molecular Toxicology, 2015, 29, 373-381.	1.0	4
41	Investigation of Phloroglucinol Succinic Acid Dendrimer as Antimicrobial Agent against Staphylococcus Aureus, Escherichia Coli and Candida Albicans. Nano Biomedicine and Engineering, 2015, 7, .	0.3	9
42	(Z)-3-(2-Aminoanilino)-1-phenylbut-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o780-o780.	0.2	0
43	Time-resolved emission spectroscopy to elucidate the functional nature of heat-stable transcription factor. Journal of Cellular Biochemistry, 0, , .	1.2	1