

# Dr S Bharanidharan Bharani

## List of Publications by Year in descending order

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12  
papers

148  
citations

1307594

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1199594

12  
g-index

13  
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13  
docs citations

13  
times ranked

153  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic (FT-IR, FT-Raman) and quantum mechanical studies of 3-(3-pentyl-2,6-diphenylpiperidin-4-one thiosemicarbazone). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 782-792.	3.9	33
2	Synthesis, crystal structure investigation, DFT studies and DPPH radical scavenging activity of 1-(furan-2-ylmethyl)-2,4,5-triphenyl-1H-imidazole derivatives. <i>Journal of Molecular Structure</i> , 2016, 1108, 698-707.	3.6	31
3	Synthesis, spectral characterization, single crystal X-ray diffraction and DFT studies of 4-((2,4,5-triphenyl-1H-imidazol-1-yl)methyl)pyridine derivatives. <i>Journal of Molecular Structure</i> , 2015, 1084, 74-81.	3.6	15
4	Electrochemical and Magnetic Properties of Zinc Ferrite Nanoparticles through Chemical Co-Precipitation Method. <i>Chemical Data Collections</i> , 2020, 28, 100477.	2.3	14
5	Enhancement of magnetic, supercapacitor applications and theoretical approach on cobalt-doped zinc ferrite nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 11593-11606.	2.2	13
6	Structural and vibrational studies on 1-(5-methyl-[1,3,4]thiadiazol-2-yl)-pyrrolidin-2-ol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 252-261.	3.9	9
7	Synthesis, spectral characterization and density functional theory exploration of 1-(quinolin-3-yl)piperidin-2-ol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 144, 243-257.	3.9	5
8	Synthesis, characterizations and quantum chemical calculations of the spinel structure of Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21419-21430.	2.2	5
9	Synthesis, spectral, stereochemical, biological, molecular docking and DFT studies of 3-alkyl/3,5-dialkyl-2,6-di(naphthyl)piperidin-4-one picrates derivatives. <i>Journal of Molecular Structure</i> , 2021, 1234, 130145.	3.6	5
10	Molecular Structure, Vibrational Spectral Investigations (FT-IR and FT-Raman), NLO, NBO, HOMO-LUMO, MEP Analysis of (E)-2-(3-pentyl-2,6-diphenylpiperidin-4-ylidene)-N-phenylhydrazinecarbothioamide Based on DFT and Molecular Docking Studies. <i>Biointerface Research in Applied Chemistry</i> , 2021, 11, 11833-11855.	1.0	5
11	Crystal structure of ethyl 6-(chloromethyl)-4-(4-chlorophenyl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o1185-o1186.	0.2	3
12	Molecular Docking Performance of Selective Organic Compounds with Target Protein. <i>Biointerface Research in Applied Chemistry</i> , 2021, 11, 12414-12424.	1.0	0