

# S Prasanth

## List of Publications by Year in descending order

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22  
papers

519  
citations

759233

12  
h-index

752698

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22  
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22  
docs citations

22  
times ranked

791  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic properties of Sm <sup>3+</sup> -doped PVDF-ZrO <sub>2</sub> hybrid membrane. Materials Today: Proceedings, 2020, 25, 151-154.	1.8	2
2	An insight into the comparative binding affinities of chlorogenic acid functionalized gold and silver nanoparticles with ctDNA along with its cytotoxicity analysis. Journal of Molecular Liquids, 2019, 287, 110911.	4.9	18
3	L-Tyrosine functionalized ZnO for the fluorescence detection of phenol. AIP Conference Proceedings, 2019, , .	0.4	0
4	Photophysical and thermodynamic evaluation on the in vitro and in silico binding profile of Camptothecin with DNA. Biophysical Chemistry, 2019, 246, 40-49.	2.8	8
5	Selective sensing of curcumin using L-cysteine derived blue luminescent graphene quantum dots. Materials Research Bulletin, 2019, 110, 32-38.	5.2	14
6	Colorimetric and Fiber Optic Sensing of Cysteine Using Green Synthesized Gold Nanoparticles. Plasmonics, 2018, 13, 327-334.	3.4	10
7	Fe induced optical limiting properties of Zn <sub>1-x</sub> Fe <sub>x</sub> S nanospheres. Optics and Laser Technology, 2018, 99, 220-229.	4.6	13
8	Structural features of Safinamide: A combined Hirshfeld surface analysis & quantum chemical treatment. Chemical Data Collections, 2018, 17-18, 404-414.	2.3	14
9	Structural, optical and enhanced power filtering application of PEG capped Zn <sub>1-x</sub> CoxS quantum dots. AIP Conference Proceedings, 2018, , .	0.4	0
10	A comprehensive approach to ascertain the binding mode of curcumin with DNA. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 175, 155-163.	3.9	26
11	Optical nonlinearities of iron doped zinc sulphide quantum dots. AIP Conference Proceedings, 2017, , .	0.4	1
12	Elucidating the interaction of L-cysteine-capped selenium nanoparticles and human serum albumin: spectroscopic and thermodynamic analysis. New Journal of Chemistry, 2017, 41, 9521-9530.	2.8	38
13	Development of LSPR-Based Optical Fiber Dopamine Sensor Using L-Tyrosine-Capped Silver Nanoparticles and Its Nonlinear Optical Properties. Plasmonics, 2017, 12, 1227-1234.	3.4	12
14	Conformational features of benzo[ <i>a</i> ]homologated γDNA duplexes by molecular dynamics simulation. Biopolymers, 2016, 105, 55-64.	2.4	3
15	Role of Mn <sup>2+</sup> concentration in the linear and nonlinear optical properties of Ni <sub>1-x</sub> MnxSe nanoparticles. Optical Materials, 2016, 62, 297-305.	3.6	10
16	In Silico Quantum Chemical and Crystallographic Treatment of ̢-Formylketene Dithioacetal towards the Elucidation of Its Structural and Optical Nature. ChemistrySelect, 2016, 1, 5974-5981.	1.5	9
17	A systematic investigation on the interaction of L-cysteine functionalised Mn <sub>3</sub> O <sub>4</sub> nanoparticles with ̢-lysozyme. RSC Advances, 2016, 6, 105010-105020.	3.6	15
18	Exploring the interaction of L-cysteine capped CuS nanoparticles with bovine serum albumin (BSA): a spectroscopic study. RSC Advances, 2016, 6, 58288-58295.	3.6	47

#	ARTICLE	IF	CITATIONS
19	Surface plasmon resonance based fiber optic dopamine sensor using green synthesized silver nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 600-606.	7.8	140
20	Crystal structure, FT-IR, FT-Raman, <sup>1</sup> H NMR and computational study of ethyl 2-[[ <i>Z</i> ]-3-(4-chlorophenyl)-3-hydroxy-2-propene-1-thione] amino} acetate. <i>Journal of Molecular Structure</i> , 2015, 1081, 366-374.	3.6	13
21	Energetics, Thermodynamics, and Molecular Recognition of Piperine with DNA. <i>Journal of Chemical Information and Modeling</i> , 2015, 55, 2644-2656.	5.4	42
22	Ammonia sensing properties of tapered plastic optical fiber coated with silver nanoparticles/PVP/PVA hybrid. <i>Optics Communications</i> , 2015, 340, 86-92.	2.1	84