

S Prasanth

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

519
citations

759233

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docs citations

22
times ranked

791
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Exploring the interaction of L-cysteine capped CuS nanoparticles with bovine serum albumin (BSA): a spectroscopic study. <i>RSC Advances</i> , 2016, 6, 58288-58295.	3.6	47
4	Energetics, Thermodynamics, and Molecular Recognition of Piperine with DNA. <i>Journal of Chemical Information and Modeling</i> , 2015, 55, 2644-2656.	5.4	42
5	Elucidating the interaction of L-cysteine-capped selenium nanoparticles and human serum albumin: spectroscopic and thermodynamic analysis. <i>New Journal of Chemistry</i> , 2017, 41, 9521-9530.	2.8	38
6	A comprehensive approach to ascertain the binding mode of curcumin with DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 175, 155-163.	3.9	26
7	An insight into the comparative binding affinities of chlorogenic acid functionalized gold and silver nanoparticles with ctDNA along with its cytotoxicity analysis. <i>Journal of Molecular Liquids</i> , 2019, 287, 110911.	4.9	18
8	A systematic investigation on the interaction of L-cysteine functionalised Mn ₃ O ₄ nanoparticles with α -lysozyme. <i>RSC Advances</i> , 2016, 6, 105010-105020.	3.6	15
9	Structural features of Safinamide: A combined Hirshfeld surface analysis & quantum chemical treatment. <i>Chemical Data Collections</i> , 2018, 17-18, 404-414.	2.3	14
10	Selective sensing of curcumin using L-cysteine derived blue luminescent graphene quantum dots. <i>Materials Research Bulletin</i> , 2019, 110, 32-38.	5.2	14
11	Crystal structure, FT-IR, FT-Raman, ¹ H NMR and computational study of ethyl 2-([(Z)-3-(4-chlorophenyl)-3-hydroxy-2-propene-1-thione] amino) acetate. <i>Journal of Molecular Structure</i> , 2015, 1081, 366-374.	3.6	13
12	Fe induced optical limiting properties of Zn _{1-x} Fe _x S nanospheres. <i>Optics and Laser Technology</i> , 2018, 99, 220-229.	4.6	13
13	Development of LSPR-Based Optical Fiber Dopamine Sensor Using L-Tyrosine-Capped Silver Nanoparticles and Its Nonlinear Optical Properties. <i>Plasmonics</i> , 2017, 12, 1227-1234.	3.4	12
14	Role of Mn ²⁺ concentration in the linear and nonlinear optical properties of Ni _{1-x} Mn _x Se nanoparticles. <i>Optical Materials</i> , 2016, 62, 297-305.	3.6	10
15	Colorimetric and Fiber Optic Sensing of Cysteine Using Green Synthesized Gold Nanoparticles. <i>Plasmonics</i> , 2018, 13, 327-334.	3.4	10
16	<i>In Silico</i> Quantum Chemical and Crystallographic Treatment of α -Formylketene Dithioacetal towards the Elucidation of Its Structural and Optical Nature. <i>ChemistrySelect</i> , 2016, 1, 5974-5981.	1.5	9
17	Photophysical and thermodynamic evaluation on the in vitro and in silico binding profile of Camptothecin with DNA. <i>Biophysical Chemistry</i> , 2019, 246, 40-49.	2.8	8
18	Conformational features of benzo α -homologated γ DNA duplexes by molecular dynamics simulation. <i>Biopolymers</i> , 2016, 105, 55-64.	2.4	3

#	ARTICLE	IF	CITATIONS
19	Spectroscopic properties of Sm ³⁺ -doped PVDF-ZrO ₂ hybrid membrane. Materials Today: Proceedings, 2020, 25, 151-154.	1.8	2
20	Optical nonlinearities of iron doped zinc sulphide quantum dots. AIP Conference Proceedings, 2017, , .	0.4	1
21	Structural, optical and enhanced power filtering application of PEG capped Zn _{1-x} CoxS quantum dots. AIP Conference Proceedings, 2018, , .	0.4	0
22	L-Tyrosine functionalized ZnO for the fluorescence detection of phenol. AIP Conference Proceedings, 2019, , .	0.4	0