Gunjan Tyagi

List of Publications by Year
in descending order

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22 papers	553 citations	686830 13 h-index	676716 22 g-index
22 all docs	22 docs citations	22 times ranked	807 citing authors

#	Article	IF	Citations
1	Carboplatin interaction with calf-thymus DNA: A FTIR spectroscopic approach. Journal of Molecular Structure, 2010, 969, 126-129.	1.8	103
2	Interaction studies of Epirubicin with DNA using spectroscopic techniques. Journal of Molecular Structure, 2011, 1000, 150-154.	1.8	58
3	Spectroscopic and molecular docking studies on chlorambucil interaction with DNA. International Journal of Biological Macromolecules, 2012, 51, 406-411.	3.6	57
4	Binding of an indole alkaloid, vinblastine to double stranded DNA: A spectroscopic insight in to nature and strength of interaction. Journal of Photochemistry and Photobiology B: Biology, 2012, 108, 48-52.	1.7	49
5	Analysis of ovarian tumor pathology by Fourier Transform Infrared Spectroscopy. Journal of Ovarian Research, 2010, 3, 27.	1.3	35
6	DNA Interaction Studies of an Anticancer Plant Alkaloid, Vincristine, Using Fourier Transform Infrared Spectroscopy. DNA and Cell Biology, 2010, 29, 693-699.	0.9	34
7	Thermal stability studies of 5â€fluorouracil using diffuse reflectance infrared spectroscopy. Drug Testing and Analysis, 2009, 1, 240-244.	1.6	31
8	Allicin Overcomes Hypoxia Mediated Cisplatin Resistance in Lung Cancer Cells through ROS Mediated Cell Death Pathway and by Suppressing Hypoxia Inducible Factors.. Cellular Physiology and Biochemistry, 2020, 54, 748-766.	1.1	30
9	Nucleic acid binding properties of allicin: Spectroscopic analysis and estimation of anti-tumor potential. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 350-356.	1.1	25
10	Raman exfoliative cytology for oral precancer diagnosis. Journal of Biomedical Optics, 2017, 22, 1.	1.4	20
11	Tensiometry and FTIR study of the synergy in mixed SDS:DDAO surfactant solutions at varying pH. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 618, 126414.	2.3	17
12	Rapid determination of main constituents of packed juices by reverse phase-high performance liquid chromatography: an insight in to commercial fruit drinks. Journal of Food Science and Technology, 2014, 51, 476-484.	1.4	16
13	Pure and mixed aqueous micellar solutions of Sodium Dodecyl sulfate (SDS) and Dimethyldodecyl Amine Oxide (DDAO): Role of temperature and composition. Journal of Colloid and Interface Science, 2021, 582, 1116-1127.	5.0	15
14	Ionotropic Gelation Fronts in Sodium Carboxymethyl Cellulose for Hydrogel Particle Formation. Gels, 2021, 7, 44.	2.1	15
15	Exploration of Raman exfoliated cytology for oral and cervical cancers. Vibrational Spectroscopy, 2018, 98, 35-40.	1.2	12
16	tRNA binding with anti-cancer alkaloidsâ€“nature of interaction and comparison with DNAâ€“alkaloids adducts. Journal of Photochemistry and Photobiology B: Biology, 2015, 142, 250-256.	1.7	8
17	Structural-conformational aspects of tRNA complexation with chloroethyl nitrosourea derivatives: A molecular modeling and spectroscopic investigation. Journal of Photochemistry and Photobiology B: Biology, 2017, 166, 1-11.	1.7	6
18	Biospectroscopic analysis of human breast cancer tissue: probing infrared signatures to comprehend biochemical alterations. Journal of Biomolecular Structure and Dynamics, 2018, 36, 761-766.	2.0	6

#	Article	IF	Citations
19	Salivary Raman Spectroscopy: Standardization of Sampling Protocols and Stratification of Healthy and Oral Cancer Subjects. Applied Spectroscopy, 2021, 75, 581-588.	1.2	5
20	Degradation studies of organic acids in commercially packed fruit juices: A reverse phase high performance liquid chromatographic approach. International Journal of Food Engineering, 2012, 8, .	0.7	4
21	Surface-Induced Crystallization of Sodium Dodecyl Sulfate (SDS) Micellar Solutions in Confinement. Langmuir, 2021, 37, 230-239.	1.6	4
22	Solution Structures of Anionicâ€“Amphoteric Surfactant Mixtures near the Two-Phase Region at Fixed pH. Langmuir, 2022, 38, 7198-7207.	1.6	3