

Aruna Prakasarao

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

651
citations

471509

17
h-index

610901

24
g-index

43
all docs

43
docs citations

43
times ranked

911
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.3	5
2	N-Doped zinc oxide as an effective fluorescence sensor for urea detection. <i>New Journal of Chemistry</i> , 2021, 45, 6080-6090.	2.8	10
3	In vitro and In silico Analysis of the Anti-diabetic and Anti-microbial Activity of Cichorium intybus Leaf extracts. <i>Current Computer-Aided Drug Design</i> , 2021, 17, 173-186.	1.2	1
4	Green synthesis of white light emitting carbon quantum dots: Fabrication of white fluorescent film and optical sensor applications. <i>Journal of Hazardous Materials</i> , 2021, 416, 125091.	12.4	39
5	Pulsed laser deposition of nanostructured bioactive glass and hydroxyapatite coatings: Microstructural and electrochemical characterization. <i>Materials Science and Engineering C</i> , 2021, 130, 112459.	7.3	16
6	Enhanced Emission of Zinc Nitride Colloidal Nanoparticles with Organic Dyes for Optical Sensors and Imaging Application. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19245-19257.	8.0	17
7	Polarization gating technique extracts depth resolved fluorescence redox ratio in oral cancer diagnostics. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101757.	2.6	7
8	Chitosan mediated 5-Fluorouracil functionalized silica nanoparticle from rice husk for anticancer activity. <i>International Journal of Biological Macromolecules</i> , 2020, 156, 969-980.	7.5	25
9	Synthesis and Characterization of Gd ³⁺ Doped HfO ₂ Nanoparticles for Radiotherapy Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 819-827.	0.9	4
10	Monitoring of breast cancer patients under pre and post treated conditions using Raman spectroscopic analysis of blood plasma. <i>Vibrational Spectroscopy</i> , 2019, 105, 102982.	2.2	5
11	Synchronous Luminescence Spectroscopy as a Tool in the Discrimination and Characterization of Oral Cancer Tissue. <i>Journal of Fluorescence</i> , 2019, 29, 361-367.	2.5	7
12	Monitoring Breast Cancer Response to Treatment Using Stokes Shift Spectroscopy of Blood Plasma. <i>Journal of Fluorescence</i> , 2019, 29, 803-812.	2.5	3
13	Characterization of blood plasma of normal and cervical cancer patients using NIR raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2019, 102, 1-7.	2.2	16
14	Monte Carlo based model for diffuse reflectance from turbid media for the diagnosis of epithelial dysplasia. <i>Optik</i> , 2019, 181, 828-835.	2.9	3
15	Exploring the Binding Interaction Mechanism of Taxol in β -Tubulin and Bovine Serum Albumin: A Biophysical Approach. <i>Molecular Pharmaceutics</i> , 2019, 16, 669-681.	4.6	33
16	Comparative Binding Analysis of N-Acetylneuraminic Acid in Bovine Serum Albumin and Human α -1 Acid Glycoprotein. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 326-338.	5.4	26
17	Ascertaining of age by Raman spectroscopic analysis of apical dentin – A forensic study. <i>Journal of Forensic Dental Sciences</i> , 2019, 11, 11.	0.4	6
18	A cytotoxicity, optical spectroscopy and computational binding analysis of 4-((3-acetyl-5-((acetylamino)-2-methyl-2,3-dihydro-1,3,4-thiadiazole-2-yl)phenyl)benzoate in calf thymus DNA. <i>Luminescence</i> , 2018, 33, 731-741.		

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19	Near-infrared Raman spectroscopy for estimating biochemical changes associated with different pathological conditions of cervix. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 190, 409-416.	3.9	27
20	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.	3.5	31

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37	Photodynamic therapy of oral leukoplakia and oral lichen planus using methylene blue: A pilot study. <i>Journal of Innovative Optical Health Sciences</i> , 2015, 08, 1540005.	1.0	14
38	Steady-state and time-resolved fluorescence spectroscopic characterization of urine of healthy subjects and cervical cancer patients. <i>Journal of Biomedical Optics</i> , 2014, 19, 037003.	2.6	18
39	Optical Fiber-Based Steady State and Fluorescence Lifetime Spectroscopy for Rapid Identification and Classification of Bacterial Pathogens Directly from Colonies on Agar Plates. <i>International Scholarly Research Notices</i> , 2014, 2014, 1-7.	0.9	7
40	Native Fluorescence and Time Resolved Fluorescence Spectroscopic Characterization of Normal and Malignant Oral Tissues Under UV Excitation – an In Vitro Study. <i>Journal of Fluorescence</i> , 2014, 24, 613-623.	2.5	14
41	Raman mapping of oral tissues for cancer diagnosis. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 541-549.	2.5	21
42	Steady-state and fluorescence lifetime spectroscopy for identification and classification of bacterial pathogens. <i>Biomedical Spectroscopy and Imaging</i> , 2014, 3, 381-391.	1.2	6
43	In Vivo Pharmacokinetics of $\hat{\gamma}$ -Aminolevulinic Acid-Induced Protoporphyrin IX During Pre- and Post-Photodynamic Therapy in 7,12-Dimethylbenz(a)anthracene-Treated Skin Carcinogenesis in Swiss Mice: A Comparison by Three-Compartment Model. <i>Photochemistry and Photobiology</i> , 2007, 76, 81-90.	2.5	0