

Saroj Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,610
citations

411340

20
h-index

252626

46
g-index

47
all docs

47
docs citations

47
times ranked

4257
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered neural cell junctions and ion-channels leading to disrupted neuron communication in Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2022, 8, .	2.5	15
2	Biom mineralization process in hard tissues: The interaction complexity within protein and inorganic counterparts. <i>Acta Biomaterialia</i> , 2021, 120, 20-37.	4.1	73
3	A novel approach to correlate the salivary exosomes and their protein cargo in the progression of cognitive impairment into Alzheimer's disease. <i>Journal of Neuroscience Methods</i> , 2021, 347, 108980.	1.3	30
4	The Evolving Landscape of Exosomes in Neurodegenerative Diseases: Exosomes Characteristics and a Promising Role in Early Diagnosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 440.	1.8	84
5	Curcumin rescue p53Y220C in BxPC-3 pancreatic adenocarcinomas cell line: Evidence-based on computational, biophysical, and in vivo studies. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129807.	1.1	7
6	A review on ferulic acid and analogs based scaffolds for the management of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2021, 215, 113278.	2.6	58
7	Progression of Cognitive Impairment to Alzheimer's Disease: Through the Lens of Salivary Extracellular Vesicles. <i>Neuroscience Insights</i> , 2021, 16, 263310552110586.	0.9	1
8	Disorder-to-order transition in PE/PPE proteins of <i>Mycobacterium tuberculosis</i> augments the pathogen immune response. <i>FEBS Open Bio</i> , 2020, 10, 70-85.	1.0	33
9	Mapping the Inorganic and Proteomic Differences among Different Types of Human Teeth: A Preliminary Compositional Insight. <i>Biomolecules</i> , 2020, 10, 1540.	1.8	12
10	Accelerated identification of serine racemase inhibitor from <i>Centella asiatica</i> . <i>Scientific Reports</i> , 2020, 10, 4640.	1.6	8
11	Characterization of active/binding site residues of peptidyl-tRNA hydrolase using biophysical and computational studies. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 877-885.	3.6	3
12	Characterization of protein extracts from different types of human teeth and insight in biom mineralization. <i>Scientific Reports</i> , 2019, 9, 9314.	1.6	14
13	Neuronal exosomes in saliva of Parkinson's disease patients: A pilot study. <i>Parkinsonism and Related Disorders</i> , 2019, 67, 21-23.	1.1	57
14	Novel Insights into Regulation of Human Teeth Biom mineralization: Deciphering the Role of Post-Translational Modifications in a Tooth Protein Extract. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4035.	1.8	7
15	Infrared spectroscopy could be a diagnostic tool in dermatology. <i>British Journal of Dermatology</i> , 2019, 180, 459-460.	1.4	1
16	Structural insights into the substrate binding mechanism of novel ArgA from <i>Mycobacterium tuberculosis</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 125, 970-978.	3.6	4
17	A FTIRM study of the interactive effects of metals (zinc, copper and cadmium) in binary mixtures on the biochemical constituents of the gills in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018, 211, 48-56.	1.3	7
18	Role of Infrared Spectroscopy and Imaging in Cancer Diagnosis. <i>Current Medicinal Chemistry</i> , 2018, 25, 1055-1072.	1.2	53

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19	Effect of microwave treatment on the cooking and macronutrient qualities of pulses. <i>International Journal of Food Properties</i> , 2017, 20, 409-422.	1.3	44
20	Insights into Biochemical Alteration in Cancer-Associated Fibroblasts by using Novel Correlative Spectroscopy. <i>ChemistryOpen</i> , 2017, 6, 149-157.	0.9	5
21	MicroRNAs as Peripheral Biomarkers in Aging and Age-Related Diseases. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 146, 47-94.	0.9	167
22	Evaluating Changes in Cell-Wall Components Associated with Clubroot Resistance Using Fourier Transform Infrared Spectroscopy and RT-PCR. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2058.	1.8	32
23	Cell Wall Biomolecular Composition Plays a Potential Role in the Host Type II Resistance to Fusarium Head Blight in Wheat. <i>Frontiers in Microbiology</i> , 2016, 7, 910.	1.5	33
24	Infrared spectroscopy combined with imaging: A new developing analytical tool in health and plant science. <i>Applied Spectroscopy Reviews</i> , 2016, 51, 466-483.	3.4	38
25	A novel multi-modal platform to image molecular and elemental alterations in ischemic stroke. <i>Neurobiology of Disease</i> , 2016, 91, 132-142.	2.1	40
26	Seed set, pollen morphology and pollen surface composition response to heat stress in field pea. <i>Plant, Cell and Environment</i> , 2015, 38, 2387-2397.	2.8	111
27	Changes in the microenvironment of invading melanoma and carcinoma cells identified by FTIR imaging. <i>Vibrational Spectroscopy</i> , 2015, 79, 24-30.	1.2	13
28	ATR-FTIR spectroscopy reveals involvement of lipids and proteins of intact pea pollen grains to heat stress tolerance. <i>Frontiers in Plant Science</i> , 2014, 5, 747.	1.7	91
29	Infrared Difference Spectroscopy as a Physical Tool to Study Biomolecules. <i>Applied Spectroscopy Reviews</i> , 2014, 49, 187-200.	3.4	7
30	Influence of Solubilizing Group Removal Rate on the Morphology and Crystallinity of a Diketopyrrolopyrrole-Based Compound. <i>Crystal Growth and Design</i> , 2014, 14, 339-349.	1.4	18
31	Quality assessment of recombinant proteins by infrared spectroscopy. Characterisation of a protein aggregation related band of the Ca ²⁺ -ATPase. <i>Analyst, The</i> , 2014, 139, 4231-4240.	1.7	14
32	A FTIR Imaging Characterization of Fibroblasts Stimulated by Various Breast Cancer Cell Lines. <i>PLoS ONE</i> , 2014, 9, e111137.	1.1	42
33	Characterization of recombinant antibodies for cancer therapy by infrared spectroscopy. <i>Biologicals</i> , 2013, 41, 104-110.	0.5	8
34	Change in the microenvironment of breast cancer studied by FTIR imaging. <i>Analyst, The</i> , 2013, 138, 4058.	1.7	82
35	Conformational changes of recombinant Ca ²⁺ -ATPase studied by reaction-induced infrared difference spectroscopy. <i>FEBS Journal</i> , 2013, 280, 5398-5407.	2.2	9
36	Detection of Ligand Binding to Proteins through Observation of Hydration Water. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13968-13974.	1.2	4

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37	Endothelin-1 stimulates oral fibroblasts to promote oral cancer invasion. Life Sciences, 2012, 91, 557-561.	2.0	23
38	Permanent Neonatal Diabetes Caused by a Novel Mutation. Indian Pediatrics, 2012, 49, 486-488.	0.2	8
39	The Allosteric Effect of Fructose Bisphosphate on Muscle Pyruvate Kinase Studied by Infrared Spectroscopy. Journal of Physical Chemistry B, 2011, 115, 11501-11505.	1.2	9
40	Effects of Ions on Ligand Binding to Pyruvate Kinase: Mapping the Binding Site with Infrared Spectroscopy. Journal of Physical Chemistry B, 2011, 115, 6784-6789.	1.2	12
41	Following Enzyme Activity with Infrared Spectroscopy. Sensors, 2010, 10, 2626-2637.	2.1	45
42	Phosphoenolpyruvate and Mg ²⁺ Binding to Pyruvate Kinase Monitored by Infrared Spectroscopy. Biophysical Journal, 2010, 98, 1931-1940.	0.2	22
43	Infrared Spectrum of Phosphoenol Pyruvate: Computational and Experimental Studies. Journal of Physical Chemistry A, 2009, 113, 2935-2942.	1.1	20
44	A dialysis accessory for attenuated total reflection infrared spectroscopy. Spectroscopy, 2006, 20, 89-94.	0.8	9
45	Identification of mesenchymal stem/progenitor cells in human first-trimester fetal blood, liver, and bone marrow. Blood, 2001, 98, 2396-2402.	0.6	1,235