

Hemanth Noothalapati

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

467
citations

687363

13
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

690
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable Isotope-Labeled Raman Imaging Reveals Dynamic Proteome Localization to Lipid Droplets in Single Fission Yeast Cells. <i>Chemistry and Biology</i> , 2012, 19, 1373-1380.	6.0	66
2	Label-free Chemical Imaging of Fungal Spore Walls by Raman Microscopy and Multivariate Curve Resolution Analysis. <i>Scientific Reports</i> , 2016, 6, 27789.	3.3	65
3	Fibril formation and therapeutic targeting of amyloid-like structures in a yeast model of adenine accumulation. <i>Nature Communications</i> , 2019, 10, 62.	12.8	48
4	Microfluidics and surface-enhanced Raman spectroscopy, a win-win combination?. <i>Lab on A Chip</i> , 2022, 22, 665-682.	6.0	42
5	Exploring Metabolic Pathways in Vivo by a Combined Approach of Mixed Stable Isotope-Labeled Raman Microspectroscopy and Multivariate Curve Resolution Analysis. <i>Analytical Chemistry</i> , 2014, 86, 7828-7834.	6.5	39
6	Leucine pools in <i>Escherichia coli</i> biofilm discovered by Raman imaging. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1913-1915.	2.5	33
7	Biological and Medical Applications of Multivariate Curve Resolution Assisted Raman Spectroscopy. <i>Analytical Sciences</i> , 2017, 33, 15-22.	1.6	32
8	Importance of weak interactions and conformational equilibrium in N-butyl-N-methylpiperidinium bis(trifluoromethanesulfonyl) imide room temperature ionic liquids: Vibrational and theoretical studies. <i>Vibrational Spectroscopy</i> , 2014, 75, 107-117.	2.2	23
9	Significance of weak interactions in imidazolium picrate ionic liquids: spectroscopic and theoretical studies for molecular level understanding. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18167-18177.	2.8	21
10	Imaging phospholipid conformational disorder and packing in giant multilamellar liposome by confocal Raman microspectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 187, 186-190.	3.9	21
11	Non-invasive diagnosis of colorectal cancer by Raman spectroscopy: Recent developments in liquid biopsy and endoscopy approaches. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 258, 119818.	3.9	17
12	Towards the development of a non-biopic diagnostic technique for eosinophilic esophagitis using Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2016, 85, 7-10.	2.2	13
13	Evidence of C-F-P and aromatic π -F-P weak interactions in imidazolium ionic liquids and its consequences. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 194, 117-125.	3.9	13
14	Identification of Molecular Basis for Objective Discrimination of Breast Cancer Cells (MCF-7) from Normal Human Mammary Epithelial Cells by Raman Microspectroscopy and Multivariate Curve Resolution Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 800.	4.1	11
15	Visualizing wax ester fermentation in single <i>Euglena gracilis</i> cells by Raman microspectroscopy and multivariate curve resolution analysis. <i>Biotechnology for Biofuels</i> , 2019, 12, 128.	6.2	10
16	Studying anti-oxidative properties of inclusion complexes of β -lipoic acid with β -cyclodextrin in single living fission yeast by confocal Raman microspectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 197, 237-243.	3.9	7
17	DNA Fingerprint Analysis of Raman Spectra Captures Global Genomic Alterations in Imatinib-Resistant Chronic Myeloid Leukemia: A Potential Single Assay for Screening Imatinib Resistance. <i>Cells</i> , 2021, 10, 2506.	4.1	4
18	Recent advances in Raman spectroscopy of proteins for disease diagnosis. , 2020, , 435-459.		2