

# Hemanth Noothalapati

## List of Publications by Year in descending order

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