

Anuradha Ramoji

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Vibrational Spectroscopic Investigation of Blood Plasma and Serum by Drop Coating Deposition for Clinical Application. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2191.	4.1	5
2	Revisiting the interaction of heme with hemopexin. <i>Biological Chemistry</i> , 2021, 402, 675-691.	2.5	13
3	Assessment of Advanced Oxidation Processes Using Zebrafish in a Non-Forced Exposure System: A Proof of Concept. <i>Processes</i> , 2021, 9, 734.	2.8	1
4	Leukocyte Activation Profile Assessed by Raman Spectroscopy Helps Diagnosing Infection and Sepsis. , 2021, 3, e0394.		17
5	Stealth Effect of Short Polyoxazolines in Graft Copolymers: Minor Changes of Backbone End Group Determine Liver Cell-Type Specificity. <i>ACS Nano</i> , 2021, 15, 12298-12313.	14.6	17
6	Biochemical Analysis of Leukocytes after In Vitro and In Vivo Activation with Bacterial and Fungal Pathogens Using Raman Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10481.	4.1	12
7	COVID-19 Diagnostics: Past, Present, and Future. <i>ACS Photonics</i> , 2021, 8, 2827-2838.	6.6	12
8	Vibrational spectroscopy as a powerful tool for follow-up immunoadsorption therapy treatment of dilated cardiomyopathy – a case report. <i>Analyst</i> , The, 2020, 145, 486-496.	3.5	7
9	Spatiotemporal Organization of Biofilm Matrix Revealed by Confocal Raman Mapping Integrated with Non-negative Matrix Factorization Analysis. <i>Analytical Chemistry</i> , 2020, 92, 707-715.	6.5	23
10	Detection and Differentiation of Bacterial and Fungal Infection of Neutrophils from Peripheral Blood Using Raman Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 10560-10568.	6.5	35
11	High-affinity binding and catalytic activity of His/Tyr-based sequences: Extending heme-regulatory motifs beyond CP. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129603.	2.4	20
12	3-Step flow focusing enables multidirectional imaging of bioparticles for imaging flow cytometry. <i>Lab on A Chip</i> , 2020, 20, 1676-1686.	6.0	14
13	Raman spectroscopy reveals LPS-induced changes of biomolecular composition in monocytic THP-1 cells in a label-free manner. <i>Integrative Biology (United Kingdom)</i> , 2019, 11, 87-98.	1.3	19
14	Raman Spectroscopy Follows Time-Dependent Changes in T Lymphocytes Isolated from Spleen of Endotoxemic Mice. <i>ImmunoHorizons</i> , 2019, 3, 45-60.	1.8	22
15	Raman spectroscopic investigation of plasma by drop coating deposition for clinical application. , 2019, , .		0
16	High-Throughput Screening Raman Spectroscopy Platform for Label-Free Cellomics. <i>Analytical Chemistry</i> , 2018, 90, 2023-2030.	6.5	83
17	Photonic monitoring of treatment during infection and sepsis: development of new detection strategies and potential clinical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 773-790.	3.7	5
18	Cargo – carrier interactions significantly contribute to micellar conformation and biodistribution. <i>NPG Asia Materials</i> , 2017, 9, e444-e444.	7.9	28

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19	Characterization of different substrates for Raman spectroscopic imaging of eukaryotic cells. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 773-786.	2.5	28
20	Automatization of spike correction in Raman spectra of biological samples. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 155, 1-6.	3.5	68
21	Raman Spectroscopic Characterization of Packaged <i>L. pneumophila</i> Strains Expelled by <i>T. thermophila</i> . <i>Analytical Chemistry</i> , 2016, 88, 2533-2537.	6.5	9
22	Raman spectroscopic differentiation of planktonic bacteria and biofilms. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6803-6813.	3.7	43
23	Combined Dielectrophoresis-Raman Setup for the Classification of Pathogens Recovered from the Urinary Tract. <i>Analytical Chemistry</i> , 2013, 85, 10717-10724.	6.5	97
24	Toward a Spectroscopic Hemogram: Raman Spectroscopic Differentiation of the Two Most Abundant Leukocytes from Peripheral Blood. <i>Analytical Chemistry</i> , 2012, 84, 5335-5342.	6.5	103
25	Vibrational and ab initio studies of 3-acetyl-6-bromocoumarin and 3-acetyl-6-methylcoumarin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 1039-1047.	3.9	7
26	Raman Spectroscopic Investigation of Dyes in Spices. , 2010, , .		0
27	A comparative Raman and CARS imaging study of colon tissue. <i>Journal of Biophotonics</i> , 2009, 2, 303-312.	2.3	110
28	2-Bromohydroquinone: Structures, vibrational assignments and RHF, B- and B3-based density functional calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 926-932.	3.9	9
29	The vibrational spectra, assignments and ab initio/DFT analysis for 3-chloro, 4-chloro and 5-chloro-2-methylphenyl isocyanates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 150-159.	3.9	18
30	Vibrational assignments and electronic structure calculations for 3-acetylcoumarin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 504-509.	3.9	15
31	Leukocyte subtypes classification by means of image processing. , 0, , .		11
32	Understanding viruses and viral infections by biophotonic methods. <i>Translational Biophotonics</i> , 0, , .	2.7	2