Anuradha Ramoji

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8485125/publications.pdf

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32	856	623734	501196
papers	citations	14 h-index	28 g-index

36	36	36	1123
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comparative Raman and CARS imaging study of colon tissue. Journal of Biophotonics, 2009, 2, 303-312.	2.3	110
2	Toward a Spectroscopic Hemogram: Raman Spectroscopic Differentiation of the Two Most Abundant Leukocytes from Peripheral Blood. Analytical Chemistry, 2012, 84, 5335-5342.	6.5	103
3	Combined Dielectrophoresisâ€“Raman Setup for the Classification of Pathogens Recovered from the Urinary Tract. Analytical Chemistry, 2013, 85, 10717-10724.	6.5	97
4	High-Throughput Screening Raman Spectroscopy Platform for Label-Free Cellomics. Analytical Chemistry, 2018, 90, 2023-2030.	6.5	83
5	Automatization of spike correction in Raman spectra of biological samples. Chemometrics and Intelligent Laboratory Systems, 2016, 155, 1-6.	3.5	68
6	Raman spectroscopic differentiation of planktonic bacteria and biofilms. Analytical and Bioanalytical Chemistry, 2015, 407, 6803-6813.	3.7	43
7	Detection and Differentiation of Bacterial and Fungal Infection of Neutrophils from Peripheral Blood Using Raman Spectroscopy. Analytical Chemistry, 2020, 92, 10560-10568.	6.5	35
8	Characterization of different substrates for Raman spectroscopic imaging of eukaryotic cells. Journal of Raman Spectroscopy, 2016, 47, 773-786.	2.5	28
9	Cargoâ€“carrier interactions significantly contribute to micellar conformation and biodistribution. NPG Asia Materials, 2017, 9, e444-e444.	7.9	28
10	Spatiotemporal Organization of Biofilm Matrix Revealed by Confocal Raman Mapping Integrated with Non-negative Matrix Factorization Analysis. Analytical Chemistry, 2020, 92, 707-715.	6.5	23
11	Raman Spectroscopy Follows Time-Dependent Changes in T Lymphocytes Isolated from Spleen of Endotoxemic Mice. ImmunoHorizons, 2019, 3, 45-60.	1.8	22
12	High-affinity binding and catalytic activity of His/Tyr-based sequences: Extending heme-regulatory motifs beyond CP. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129603.	2.4	20
13	Raman spectroscopy reveals LPS-induced changes of biomolecular composition in monocytic THP-1 cells in a label-free manner. Integrative Biology (United Kingdom), 2019, 11, 87-98.	1.3	19
14	The vibrational spectra, assignments and ab initio/DFT analysis for 3-chloro, 4-chloro and 5-chloro-2-methylphenyl isocyanates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 150-159.	3.9	18
15	Leukocyte Activation Profile Assessed by Raman Spectroscopy Helps Diagnosing Infection and Sepsis. , 2021, 3, e0394.		17
16	Stealth Effect of Short Polyoxazolines in Graft Copolymers: Minor Changes of Backbone End Group Determine Liver Cell-Type Specificity. ACS Nano, 2021, 15, 12298-12313.	14.6	17
17	Vibrational assignments and electronic structure calculations for 3-acetylcoumarin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 504-509.	3.9	15
18	3-Step flow focusing enables multidirectional imaging of bioparticles for imaging flow cytometry. Lab on A Chip, 2020, 20, 1676-1686.	6.0	14

#	Article	IF	Citations
19	Revisiting the interaction of heme with hemopexin. Biological Chemistry, 2021, 402, 675-691.	2.5	13
20	Biochemical Analysis of Leukocytes after In Vitro and In Vivo Activation with Bacterial and Fungal Pathogens Using Raman Spectroscopy. International Journal of Molecular Sciences, 2021, 22, 10481.	4.1	12
21	COVID-19 Diagnostics: Past, Present, and Future. ACS Photonics, 2021, 8, 2827-2838.	6.6	12
22	Leukocyte subtypes classification by means of image processing. , 0, , .		11
23	2-Bromohydroquinone: Structures, vibrational assignments and RHF, B- and B3-based density functional calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 926-932.	3.9	9
24	Raman Spectroscopic Characterization of Packaged L. pneumophila Strains Expelled by T. thermophila. Analytical Chemistry, 2016, 88, 2533-2537.	6.5	9
25	Vibrational and ab initio studies of 3-acetyl-6-bromocoumarin and 3-acetyl-6-methylcoumarin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 1039-1047.	3.9	7
26	Vibrational spectroscopy as a powerful tool for follow-up immunoadsorption therapy treatment of dilated cardiomyopathy â€“ a case report. Analyst, The, 2020, 145, 486-496.	3.5	7
27	Photonic monitoring of treatment during infection and sepsis: development of new detection strategies and potential clinical applications. Analytical and Bioanalytical Chemistry, 2018, 410, 773-790.	3.7	5
28	Vibrational Spectroscopic Investigation of Blood Plasma and Serum by Drop Coating Deposition for Clinical Application. International Journal of Molecular Sciences, 2021, 22, 2191.	4.1	5
29	Understanding viruses and viral infections by biophotonic methods. Translational Biophotonics, 0, , .	2.7	2
30	Assessment of Advanced Oxidation Processes Using Zebrafish in a Non-Forced Exposure System: A Proof of Concept. Processes, 2021, 9, 734.	2.8	1
31	Raman Spectroscopic Investigation of Dyes in Spices. , 2010, , .		0
32	Raman spectroscopic investigation of plasma by drop coating deposition for clinical application. , 2019, , .		0