Nicole M Ralbovsky

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4549334/publications.pdf

Version: 2024-02-01

22	534	933447 10	677142 22
papers	citations	h-index	g-index

24	24	24	531
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Raman spectroscopy and multivariate analysis for identification and classification of pharmaceutical pain reliever tablets. Journal of Chemometrics, 2023, 37, .	1.3	2
2	Process monitoring of polysaccharide deketalization for vaccine bioconjugation development using in situ analytical methodology. Journal of Pharmaceutical and Biomedical Analysis, 2022, 209, 114533.	2.8	7
3	Utilizing in situ spectroscopic tools to monitor ketal deprotection processes. International Journal of Pharmaceutics, 2022, 611, 121324.	5.2	5
4	In situreal time monitoring of emulsification and homogenization processes for vaccine adjuvants. Analyst, The, 2022, 147, 378-386.	3.5	8
5	Multivariate curve resolution for analysis of Raman hyperspectral imaging data sets for enzyme immobilization. Chemical Data Collections, 2022, 38, 100835.	2.3	5
6	Infrared and Raman Spectroscopy Assisted Diagnosis of Diabetics. Springer Series on Bio- and Neurosystems, 2022, , 133-164.	0.2	1
7	Raman spectroscopy and machine learning for biomedical applications: Alzheimerâ€™s disease diagnosis based on the analysis of cerebrospinal fluid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119188.	3.9	61
8	Analysis of individual red blood cells for Celiac disease diagnosis. Talanta, 2021, 221, 121642.	5.5	18
9	Determining the stages of cellular differentiation using deep ultraviolet resonance Raman spectroscopy. Talanta, 2021, 227, 122164.	5.5	6
10	Vibrational Spectroscopy for Detection of Diabetes: A Review. Applied Spectroscopy, 2021, 75, 929-946.	2.2	14
11	Towards development of a novel screening method for identifying Alzheimerâ€™s disease risk: Raman spectroscopy of blood serum and machine learning. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 254, 119603.	3.9	17
12	Investigation of Lithium Acetyl Phosphate Synthesis Using Process Analytical Technology. Organic Process Research and Development, 2021, 25, 1402-1413.	2.7	10
13	Machine Learning and Chemical Imaging to Elucidate Enzyme Immobilization for Biocatalysis. Analytical Chemistry, 2021, 93, 11973-11981.	6.5	13
14	Simultaneous multielement imaging of liver tissue using laser ablation inductively coupled plasma mass spectrometry. Talanta, 2021, 235, 122725.	5.5	8
15	Towards development of a novel universal medical diagnostic method: Raman spectroscopy and machine learning. Chemical Society Reviews, 2020, 49, 7428-7453.	38.1	163
16	Diagnosis of a model of Duchenne muscular dystrophy in blood serum of mdx mice using Raman hyperspectroscopy. Scientific Reports, 2020, 10, 11734.	3.3	9
17	Multivariate Statistical Analysis of Surface Enhanced Raman Spectra of Human Serum for Alzheimerâ€™s Disease Diagnosis. Applied Sciences (Switzerland), 2019, 9, 3256.	2.5	33
18	Screening for Alzheimerâ€™s Disease Using Saliva: A New Approach Based on Machine Learning and Raman Hyperspectroscopy. Journal of Alzheimer's Disease, 2019, 71, 1351-1359.	2.6	44

#	Article	IF	Citations
19	Raman spectroscopy and chemometrics: A potential universal method for diagnosing cancer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 219, 463-487.	3.9	71
20	Examination of Adsorption Orientation of Amyloidogenic Peptides Over Nano-Gold Colloidal Particle Surfaces. International Journal of Molecular Sciences, 2019, 20, 5354.	4.1	8
21	Deep-Ultraviolet Raman Spectroscopy for Cancer Diagnostics: A Feasibility Study with Cell Lines and Tissues. Cancer Studies and Molecular Medicine: Open Journal, 2019, 5, 1-10.	0.5	9
22	Polarized raman spectroscopy for determining the orientation of diâ€‹<scp>d</scp>â€‹phenylalanine molecules in a nanotube. Journal of Raman Spectroscopy, 2016, 47, 1056-1062.	2.5	22