

Nataly J Galan-Freyle

List of Publications by Year in descending order

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15
papers

120
citations

1307366

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1281743

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15
times ranked

108
citing authors

#	ARTICLE	IF	CITATIONS
1	Standoff Detection of Highly Energetic Materials Using Laser-Induced Thermal Excitation of Infrared Emission. <i>Applied Spectroscopy</i> , 2015, 69, 535-544.	1.2	24
2	Artificial Intelligence Assisted Mid-Infrared Laser Spectroscopy In Situ Detection of Petroleum in Soils. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1319.	1.3	16
3	Applications of Quantum Cascade Laser Spectroscopy in the Analysis of Pharmaceutical Formulations. <i>Applied Spectroscopy</i> , 2016, 70, 1511-1519.	1.2	15
4	Chemometrics-enhanced fiber optic Raman detection, discrimination and quantification of chemical agents simulants concealed in commercial bottles. <i>Analytical Chemistry Research</i> , 2014, 2, 15-22.	2.0	10
5	Chemometrics-enhanced laser-induced thermal emission detection of PETN and other explosives on various substrates. <i>Journal of Chemometrics</i> , 2015, 29, 329-337.	0.7	10
6	EXPRESS: Classical Least Squares-Assisted MIR Laser Spectroscopy Detection of High Explosives on Fabrics. <i>Applied Spectroscopy</i> , 2019, 73, 000370281878041.	1.2	10
7	Mid-Infrared Laser Spectroscopy Detection and Quantification of Explosives in Soils Using Multivariate Analysis and Artificial Intelligence. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4178.	1.3	8
8	Anomaly Identification during Polymerase Chain Reaction for Detecting SARS-CoV-2 Using Artificial Intelligence Trained from Simulated Data. <i>Molecules</i> , 2021, 26, 20.	1.7	8
9	Mid-Infrared Laser Spectroscopy Applications I: Detection of Traces of High Explosives on Reflective and Matte Substrates. , 2019, , .		4
10	Surface Persistence of Trace Level Deposits of Highly Energetic Materials. <i>Molecules</i> , 2019, 24, 3494.	1.7	4
11	Quantum cascade laser back-reflection spectroscopy at grazing-angle incidence using the fast Fourier transform as a data preprocessing algorithm. <i>Journal of Chemometrics</i> , 2019, 33, e3167.	0.7	3
12	API Content and Blend Uniformity Using Quantum Cascade Laser Spectroscopy Coupled with Multivariate Analysis. <i>Pharmaceutics</i> , 2021, 13, 985.	2.0	3
13	Self-assembly and supramolecular isomerism in 1D metal-organometallic networks based on transition-metal assemblies from 1,1'-ferrocene-dicarboxylic acid and ancillary nitrogen heterocycle ligands. <i>CrystEngComm</i> , 2021, 23, 8198-8208.	1.3	3
14	Mid-Infrared Laser Spectroscopy Applications in Process Analytical Technology: Cleaning Validation, Microorganisms, and Active Pharmaceutical Ingredients in Formulations. , 2019, , .		1
15	Modulated-laser source induction system for remote detection of infrared emissions of high explosives using laser-induced thermal emission. <i>Optical Engineering</i> , 2020, 59, 1.	0.5	1