

Valerian Ciobotă

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

704
citations

471509

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677142

22
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23
all docs

23
docs citations

23
times ranked

1139
citing authors

#	ARTICLE	IF	CITATIONS
1	Handheld Raman spectroscopy for the early detection of plant diseases: Abutilon mosaic virus infecting Abutilon sp.. Analytical Methods, 2016, 8, 3450-3457.	2.7	55
2	The Effect of Antimonate, Arsenate, and Phosphate on the Transformation of Ferrihydrite to Goethite, Hematite, Ferrioxhyte, and Tripuhyite. Clays and Clay Minerals, 2013, 61, 11-25.	1.3	53
3	Inorganic salts in atmospheric particulate matter: Raman spectroscopy as an analytical tool. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 697-708.	3.9	50
4	Handheld Raman Spectroscopy for the Distinction of Essential Oils Used in the Cosmetics Industry. Cosmetics, 2015, 2, 162-176.	3.3	49
5	Distinction of Ecuadorian varieties of fermented cocoa beans using Raman spectroscopy. Food Chemistry, 2016, 211, 274-280.	8.2	44
6	Raman spectroscopy as an analytical tool for analysis of vegetable and essential oils. Flavour and Fragrance Journal, 2014, 29, 287-295.	2.6	43
7	Characterization of pH dependent Mn(II) oxidation strategies and formation of a bixbyite-like phase by Mesorhizobium australicum T-G1. Frontiers in Microbiology, 2015, 6, 734.	3.5	42
8	The influence of intracellular storage material on bacterial identification by means of Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2010, 397, 2929-2937.	3.7	41
9	Mesoporous silica particle embedded functional graphene oxide as an efficient platform for urea biosensing. Analytical Methods, 2014, 6, 6711-6720.	2.7	36
10	Pelagic boundary conditions affect the biological formation of iron-rich particles (iron snow) and their microbial communities. Limnology and Oceanography, 2011, 56, 1386-1398.	3.1	34
11	Identification of minerals and organic materials in Middle Eocene ironstones from the Bahariya Depression in the Western Desert of Egypt by means of micro-Raman spectroscopy. Journal of Raman Spectroscopy, 2012, 43, 405-410.	2.5	33
12	Adulteration of clove essential oil: Detection using a handheld Raman spectrometer. Flavour and Fragrance Journal, 2018, 33, 184-190.	2.6	31
13	Detection of counterfeit stevia products using a handheld Raman spectrometer. Vibrational Spectroscopy, 2016, 83, 126-131.	2.2	30
14	Exploratory Monitoring of the Quality and Authenticity of Commercial Honey in Ecuador. Foods, 2019, 8, 105.	4.3	29
15	Revealing the microbial community structure of clogging materials in dewatering wells differing in physico-chemical parameters in an open-cast mining area. Water Research, 2014, 63, 222-233.	11.3	25
16	Microbial Fe(II) oxidation by <i>Sideroxydans lithotrophicus</i> -ES-1 in the presence of Schläpferbrunnen fen-derived humic acids. FEMS Microbiology Ecology, 2019, 95, .	2.7	25
17	Raman investigations of Upper Cretaceous phosphorite and black shale from Safaga District, Red Sea, Egypt. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 42-47.	3.9	24
18	Raman and infrared spectroscopic study of synthetic ungemachite, K ₃ Na ₈ Fe(SO ₄) ₆ (NO ₃) ₂ ·6H ₂ O. Journal of Molecular Structure, 2012, 1022, 147-152.	3.6	16

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19	Reactions of Alkaline Minerals in the Atmosphere. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1410-1413.	13.8	12
20	Extremophile microbiomes in acidic and hypersaline river sediments of Western Australia. <i>Environmental Microbiology Reports</i> , 2016, 8, 58-67.	2.4	12
21	Extraction of Inulin from Andean Plants: An Approach to Non-Traditional Crops of Ecuador. <i>Molecules</i> , 2020, 25, 5067.	3.8	10
22	Raman spectroscopy in the detection of adulterated essential oils: The case of nonvolatile adulterants. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 1055-1063.	2.5	9
23	The Influence of Intracellular Storage Material on Bacterial Identification by means of Raman Spectroscopy. , 2010, , .		1