

Valerian Ciobotă

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

704
citations

471509

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all docs

23
docs citations

23
times ranked

1139
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Extraction of Inulin from Andean Plants: An Approach to Non-Traditional Crops of Ecuador. <i>Molecules</i> , 2020, 25, 5067.	3.8	10
3	Microbial Fe(II) oxidation by <i>Sideroxydans lithotrophicus</i> ES-1 in the presence of Schl�ppnerbrunnen fen-derived humic acids. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	25
4	Exploratory Monitoring of the Quality and Authenticity of Commercial Honey in Ecuador. <i>Foods</i> , 2019, 8, 105.	4.3	29
5	Adulteration of clove essential oil: Detection using a handheld Raman spectrometer. <i>Flavour and Fragrance Journal</i> , 2018, 33, 184-190.	2.6	31
6	Extremophile microbiomes in acidic and hypersaline river sediments of Western Australia. <i>Environmental Microbiology Reports</i> , 2016, 8, 58-67.	2.4	12
7	Distinction of Ecuadorian varieties of fermented cocoa beans using Raman spectroscopy. <i>Food Chemistry</i> , 2016, 211, 274-280.	8.2	44
8	Handheld Raman spectroscopy for the early detection of plant diseases: Abutilon mosaic virus infecting Abutilon sp.. <i>Analytical Methods</i> , 2016, 8, 3450-3457.	2.7	55
9	Detection of counterfeit stevia products using a handheld Raman spectrometer. <i>Vibrational Spectroscopy</i> , 2016, 83, 126-131.	2.2	30
10	Handheld Raman Spectroscopy for the Distinction of Essential Oils Used in the Cosmetics Industry. <i>Cosmetics</i> , 2015, 2, 162-176.	3.3	49
11	Characterization of pH dependent Mn(II) oxidation strategies and formation of a bixbyite-like phase by <i>Mesorhizobium australicum</i> T-G1. <i>Frontiers in Microbiology</i> , 2015, 6, 734.	3.5	42
12	Raman investigations of Upper Cretaceous phosphorite and black shale from Safaga District, Red Sea, Egypt. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 42-47.	3.9	24
13	Revealing the microbial community structure of clogging materials in dewatering wells differing in physico-chemical parameters in an open-cast mining area. <i>Water Research</i> , 2014, 63, 222-233.	11.3	25
14	Raman spectroscopy as an analytical tool for analysis of vegetable and essential oils. <i>Flavour and Fragrance Journal</i> , 2014, 29, 287-295.	2.6	43
15	Mesoporous silica particle embedded functional graphene oxide as an efficient platform for urea biosensing. <i>Analytical Methods</i> , 2014, 6, 6711-6720.	2.7	36
16	The Effect of Antimonate, Arsenate, and Phosphate on the Transformation of Ferrihydrite to Goethite, Hematite, Ferrioxhyte, and Tripuhyte. <i>Clays and Clay Minerals</i> , 2013, 61, 11-25.	1.3	53
17	Inorganic salts in atmospheric particulate matter: Raman spectroscopy as an analytical tool. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 697-708.	3.9	50
18	Reactions of Alkaline Minerals in the Atmosphere. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1410-1413.	13.8	12

#	ARTICLE	IF	CITATIONS
19	Raman and infrared spectroscopic study of synthetic ungemachite, $K_3Na_8Fe(SO_4)_6(NO_3)_2 \cdot 6H_2O$. Journal of Molecular Structure, 2012, 1022, 147-152.	3.6	16
20	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
21	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
22	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
23	The Influence of Intracellular Storage Material on Bacterial Identification by means of Raman Spectroscopy. , 2010, , .		1