

Nikola Tolic

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9072590/publications.pdf>

Version: 2024-02-01

19
papers

1,413
citations

623734

14
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1761
citing authors

#	ARTICLE	IF	CITATIONS
1	VIPER: an advanced software package to support high-throughput LC-MS peptide identification. <i>Bioinformatics</i> , 2007, 23, 2021-2023.	4.1	194
2	Advanced Solvent Based Methods for Molecular Characterization of Soil Organic Matter by High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 5206-5215.	6.5	167
3	Formularity: Software for Automated Formula Assignment of Natural and Other Organic Matter from Ultrahigh-Resolution Mass Spectra. <i>Analytical Chemistry</i> , 2017, 89, 12659-12665.	6.5	156
4	Moving beyond the van Krevelen Diagram: A New Stoichiometric Approach for Compound Classification in Organisms. <i>Analytical Chemistry</i> , 2018, 90, 6152-6160.	6.5	140
5	Sequential extraction protocol for organic matter from soils and sediments using high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2017, 972, 54-61.	5.4	110
6	An international laboratory comparison of dissolved organic matter composition by high resolution mass spectrometry: Are we getting the same answer?. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 235-258.	2.0	109
7	21 Tesla Fourier Transform Ion Cyclotron Resonance Mass Spectrometer Greatly Expands Mass Spectrometry Toolbox. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1929-1936.	2.8	86
8	Mutual Interactions between Reduced Fe-Bearing Clay Minerals and Humic Acids under Dark, Oxygenated Conditions: Hydroxyl Radical Generation and Humic Acid Transformation. <i>Environmental Science & Technology</i> , 2020, 54, 15013-15023.	10.0	79
9	Indexing Permafrost Soil Organic Matter Degradation Using High-Resolution Mass Spectrometry. <i>PLoS ONE</i> , 2015, 10, e0130557.	2.5	78
10	Molecular Insights into Arctic Soil Organic Matter Degradation under Warming. <i>Environmental Science & Technology</i> , 2018, 52, 4555-4564.	10.0	74
11	Untargeted metabolomic profiling of <i>Sphagnum fallax</i> reveals novel antimicrobial metabolites. <i>Plant Direct</i> , 2019, 3, e00179.	1.9	55
12	Identification of Mercury and Dissolved Organic Matter Complexes Using Ultrahigh Resolution Mass Spectrometry. <i>Environmental Science and Technology Letters</i> , 2017, 4, 59-65.	8.7	43
13	Single-Cell Metabolic Profiling: Metabolite Formulas from Isotopic Fine Structures in Heterogeneous Plant Cell Populations. <i>Analytical Chemistry</i> , 2020, 92, 7289-7298.	6.5	37
14	Characterization of Dissolved Organic Matter from Wildfire-induced <i>Microcystis aeruginosa</i> Blooms controlled by Copper Sulfate as Disinfection Byproduct Precursors Using APPI(-) and ESI(-) FT-ICR MS. <i>Water Research</i> , 2021, 189, 116640.	11.3	23
15	Ecological theory applied to environmental metabolomes reveals compositional divergence despite conserved molecular properties. <i>Science of the Total Environment</i> , 2021, 788, 147409.	8.0	21
16	Evaluation of <i>In Silico</i> Multifeature Libraries for Providing Evidence for the Presence of Small Molecules in Synthetic Blinded Samples. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 4052-4060.	5.4	13
17	Chemical characterization of dissolved organic matter as disinfection byproduct precursors by UV/fluorescence and ESI FT-ICR MS after smoldering combustion of leaf needles and woody trunks of pine (<i>Pinus jeffreyi</i>). <i>Water Research</i> , 2022, 209, 117962.	11.3	9
18	Online supercritical fluid extraction mass spectrometry (SFE-LC-FTMS) for sensitive characterization of soil organic matter. <i>Faraday Discussions</i> , 2019, 218, 157-171.	3.2	6

#	ARTICLE	IF	CITATIONS
19	Implications of sample treatment on characterization of riverine dissolved organic matter. Environmental Sciences: Processes and Impacts, 2022, 24, 773-782.	3.5	6