

Daniel G Beach

List of Publications by Year in descending order

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516710

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docs citations

38
times ranked

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#	ARTICLE	IF	CITATIONS
1	Structural Diversity, Characterization and Toxicology of Microcystins. <i>Toxins</i> , 2019, 11, 714.	3.4	245
2	CyanoMetDB, a comprehensive public database of secondary metabolites from cyanobacteria. <i>Water Research</i> , 2021, 196, 117017.	11.3	142
3	Postsynthetic Guanine Arylation of DNA by Suzuki-Miyaura Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2011, 133, 42-50.	13.7	104
4	Selective quantitation of the neurotoxin BMAA by use of hydrophilic-interaction liquid chromatography-differential mobility spectrometry-tandem mass spectrometry (HILIC-DMS-MS/MS). <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8397-8409.	3.7	44
5	Dynamics of paralytic shellfish toxins and their metabolites during timecourse exposure of scallops <i>Chlamys farreri</i> and mussels <i>Mytilus galloprovincialis</i> to <i>Alexandrium pacificum</i> . <i>Aquatic Toxicology</i> , 2018, 200, 233-240.	4.0	31
6	Analysis of paralytic shellfish toxins using high-field asymmetric waveform ion mobility spectrometry with liquid chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2473-2484.	3.7	30
7	High-throughput quantitative analysis of domoic acid directly from mussel tissue using Laser Ablation Electrospray Ionization tandem mass spectrometry. <i>Toxicon</i> , 2014, 92, 75-80.	1.6	27
8	Analysis of pyrene metabolites in marine snails by liquid chromatography using fluorescence and mass spectrometry detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2142-2152.	2.3	26
9	Hydrophilic interaction liquid chromatography-tandem mass spectrometry for quantitation of paralytic shellfish toxins: validation and application to reference materials. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5675-5687.	3.7	26
10	Comprehensive multi-technique approach reveals the high diversity of microcystins in field collections and an associated isolate of <i>Microcystis aeruginosa</i> from a Turkish lake. <i>Toxicon</i> , 2019, 167, 87-100.	1.6	26
11	Bioaccumulation and biotransformation of pyrene and 1-hydroxypyrene by the marine whelk <i>Buccinum undatum</i> . <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 779-788.	4.3	24
12	Linear and Nonlinear Regimes of Electrospray Signal Response in Analysis of Urine by Electrospray Ionization-High Field Asymmetric Waveform Ion Mobility Spectrometry-MS and Implications for Nontarget Quantification. <i>Analytical Chemistry</i> , 2013, 85, 2127-2134.	6.5	21
13	Differential Mobility-Mass Spectrometry Double Spike Isotope Dilution Study of Release of ^{12}C -Methylaminoalanine and Proteinogenic Amino Acids during Biological Sample Hydrolysis. <i>Scientific Reports</i> , 2018, 8, 117.	3.3	21
14	Screening of cyclic imine and paralytic shellfish toxins in isolates of the genus <i>Alexandrium</i> (Dinophyceae) from Atlantic Canada. <i>Harmful Algae</i> , 2018, 77, 108-118.	4.8	21
15	Laser ablation electrospray ionization high-resolution mass spectrometry for regulatory screening of domoic acid in shellfish. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2379-2387.	1.5	19
16	Revisiting the Reactivity of Uracil During Collision Induced Dissociation: Tautomerism and Charge-Directed Processes. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 858-868.	2.8	18
17	Differential Mobility Spectrometry for Improved Selectivity in Hydrophilic Interaction Liquid Chromatography-Tandem Mass Spectrometry Analysis of Paralytic Shellfish Toxins. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1518-1530.	2.8	17
18	Nontarget Analysis of Urine by Electrospray Ionization-High Field Asymmetric Waveform Ion Mobility-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 9107-9113.	6.5	15

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19	Sensitive determination of domoic acid in mussel tissue using dansyl chloride derivatization and liquid chromatography-mass spectrometry. <i>Analytical Methods</i> , 2015, 7, 1000-1007.	2.7	15
20	Development of Certified Reference Materials for Diarrhetic Shellfish Poisoning Toxins, Part 1: Calibration Solutions. <i>Journal of AOAC INTERNATIONAL</i> , 2016, 99, 1151-1162.	1.5	15
21	Tautomerization in gas-phase ion chemistry of isomeric C ⁸ deoxyguanosine adducts from phenol-induced DNA damage. <i>Journal of Mass Spectrometry</i> , 2011, 46, 41-49.	1.6	10
22	Capillary electrophoresis-tandem mass spectrometry for multiclass analysis of polar marine toxins. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5405-5420.	3.7	9
23	Semiquantitation of Paralytic Shellfish Toxins by Hydrophilic Interaction Liquid Chromatography-Mass Spectrometry Using Relative Molar Response Factors. <i>Toxins</i> , 2020, 12, 398.	3.4	9
24	Isotope-labelling derivatisation: a broadly applicable approach to quantitation of algal toxins by isotope dilution LC-MS/MS. <i>Analytical Methods</i> , 2016, 8, 2872-2879.	2.7	8
25	Balanced Fates of Pyrene and 1-Hydroxypyrene in Snails, <i>Lymnaea stagnalis</i> , and Spiked Sediments. <i>Polycyclic Aromatic Compounds</i> , 2010, 30, 75-90.	2.6	7
26	Bioaccumulation and biotransformation of 1-hydroxypyrene by the marine whelk <i>Neptunea lyrata</i> . <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 1227-1243.	3.3	6
27	Commercial formaldehyde standard for mass calibration in mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2015, 50, 463-469.	1.6	6
28	Direct online quantitation of 2-methyl-3-methoxy-4-phenyl butanoic acid for total microcystin analysis by condensed phase membrane introduction tandem mass spectrometry. <i>Analytical Methods</i> , 2018, 10, 3310-3316.	2.7	6
29	Rapid quantitative screening of cyanobacteria for production of anatoxins using direct analysis in real time high-resolution mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8940.	1.5	5
30	Detection, Identification, and Occurrence of Thiotetronic Acids in Drinking Water from Underground Sources by Electrospray Ionization-High Field Asymmetric Waveform Ion Mobility Spectrometry-Quadrupole Time-of-Flight-Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 9884-9891.	6.5	4
31	Integrating Field Analyses with Laboratory Exposures to Assess Ecosystems Health. <i>Polycyclic Aromatic Compounds</i> , 2012, 32, 97-132.	2.6	3
32	Collision induced dissociation mass spectrometry challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 15-17.	3.7	3
33	Solution to collision induced dissociation mass spectrometry challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3927-3930.	3.7	3
34	Non-target analysis and stability assessment of reference materials using liquid chromatography-high-resolution mass spectrometry. <i>Acta Chimica Acta</i> , 2022, 1201, 339622.	5.4	3
35	Hydroxyl Radical-Induced Oxidation of a Phenolic C-Linked 2-Deoxyguanosine Adduct Yields a Reactive Catechol. <i>Chemical Research in Toxicology</i> , 2012, 25, 315-325.	3.3	2
36	7-Hydroxy-1-methoxy-6-methyl-1,3-dihydrofuro[3,4-c]pyridinium chloride monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o5263-o5264.	0.2	1