

Heather D Bean

List of Publications by Year in descending order

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32
papers

1,451
citations

393982

19
h-index

433756

31
g-index

34
all docs

34
docs citations

34
times ranked

1654
citing authors

#	ARTICLE	IF	CITATIONS
1	Life Cycle Dominates the Volatilome Character of Dimorphic Fungus <i>Coccidioides</i> spp.. MSphere, 2021, 6, .	1.3	6
2	Influence of media on the differentiation of <i>Staphylococcus</i> spp. by volatile compounds. Journal of Breath Research, 2020, 14, 016007.	1.5	11
3	<i>Pseudomonas aeruginosa</i> Volatilome Characteristics and Adaptations in Chronic Cystic Fibrosis Lung Infections. MSphere, 2020, 5, .	1.3	12
4	Dependence of the Staphylococcal Volatilome Composition on Microbial Nutrition. Metabolites, 2020, 10, 347.	1.3	17
5	Breath analysis for respiratory infections. , 2020, , 335-347.		5
6	A Metabolomic Approach for Predicting Diurnal Changes in Cortisol. Metabolites, 2020, 10, 194.	1.3	7
7	Longitudinal Associations of the Cystic Fibrosis Airway Microbiome and Volatile Metabolites: A Case Study. Frontiers in Cellular and Infection Microbiology, 2020, 10, 174.	1.8	19
8	Inhibition of Fungal Growth and Induction of a Novel Volatilome in Response to <i>Chromobacterium vaccinii</i> Volatile Organic Compounds. Frontiers in Microbiology, 2020, 11, 1035.	1.5	47
9	Monitoring changes in the healthy female metabolome across the menstrual cycle using GC-TOFMS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1121, 48-57.	1.2	15
10	Volatile molecules from bronchoalveolar lavage fluid can rule-in <i>Pseudomonas aeruginosa</i> and rule-out <i>Staphylococcus aureus</i> infections in cystic fibrosis patients. Scientific Reports, 2018, 8, 826.	1.6	44
11	Advances in the application of comprehensive two-dimensional gas chromatography in metabolomics. TrAC - Trends in Analytical Chemistry, 2018, 109, 275-286.	5.8	99
12	Estimation of start and stop numbers for cluster resolution feature selection algorithm: an empirical approach using null distribution analysis of Fisher ratios. Analytical and Bioanalytical Chemistry, 2017, 409, 6699-6708.	1.9	10
13	Comparative analysis of the volatile metabolomes of <i>Pseudomonas aeruginosa</i> clinical isolates. Journal of Breath Research, 2016, 10, 047102.	1.5	83
14	Use of a Multiplex Transcript Method for Analysis of <i>Pseudomonas aeruginosa</i> Gene Expression Profiles in the Cystic Fibrosis Lung. Infection and Immunity, 2016, 84, 2995-3006.	1.0	26
15	Profiling Aged Artisanal Cheddar Cheese Using Secondary Electrospray Ionization Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2015, 63, 4386-4392.	2.4	14
16	Breathprints of model murine bacterial lung infections are linked with immune response. European Respiratory Journal, 2015, 45, 181-190.	3.1	40
17	Improving the quality of biomarker candidates in untargeted metabolomics via peak table-based alignment of comprehensive two-dimensional gas chromatography-mass spectrometry data. Journal of Chromatography A, 2015, 1394, 111-117.	1.8	49
18	Editorial: New analytical and statistical approaches for interpreting the relationships among environmental stressors and biomarkers. Biomarkers, 2015, 20, 1-4.	0.9	20

#	ARTICLE	IF	CITATIONS
19	Identifying methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) lung infections in mice via breath analysis using secondary electrospray ionization-mass spectrometry (SESI-MS). <i>Journal of Breath Research</i> , 2014, 8, 041001.	1.5	29
20	Robust detection of <i>P. aeruginosa</i> and <i>S. aureus</i> acute lung infections by secondary electrospray ionization-mass spectrometry (SESI-MS) breathprinting: from initial infection to clearance. <i>Journal of Breath Research</i> , 2013, 7, 037106.	1.5	51
21	Secondary electrospray ionization-mass spectrometry (SESI-MS) breathprinting of multiple bacterial lung pathogens, a mouse model study. <i>Journal of Applied Physiology</i> , 2013, 114, 1544-1549.	1.2	75
22	Detecting bacterial lung infections: <i>in vivo</i> evaluation of <i>in vitro</i> volatile fingerprints. <i>Journal of Breath Research</i> , 2013, 7, 016003.	1.5	95
23	Bacterial volatile discovery using solid phase microextraction and comprehensive two-dimensional gas chromatography–time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 901, 41-46.	1.2	104
24	Adenine Synthesis in a Model Prebiotic Reaction: Connecting Origin of Life Chemistry with Biology. <i>Journal of Chemical Education</i> , 2011, 88, 1698-1701.	1.1	8
25	Characterizing Bacterial Volatiles using Secondary Electrospray Ionization Mass Spectrometry (SESI-MS). <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	31
26	Fast Detection of Volatile Organic Compounds from Bacterial Cultures by Secondary Electrospray Ionization-Mass Spectrometry. <i>Journal of Clinical Microbiology</i> , 2011, 49, 769-769.	1.8	6
27	DNA and RNA in Anhydrous Media: Duplex, Triplex, and G-Quadruplex Secondary Structures in a Deep Eutectic Solvent. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6310-6314.	7.2	190
28	Fast Detection of Volatile Organic Compounds from Bacterial Cultures by Secondary Electrospray Ionization-Mass Spectrometry. <i>Journal of Clinical Microbiology</i> , 2010, 48, 4426-4431.	1.8	163
29	Self-Assembly and the Origin of the First RNA-Like Polymers. <i>ACS Symposium Series</i> , 2010, , 109-132.	0.5	1
30	Comprehensive Investigation of the Energetics of Pyrimidine Nucleoside Formation in a Model Prebiotic Reaction. <i>Journal of the American Chemical Society</i> , 2009, 131, 16088-16095.	6.6	32
31	Formation of a $\hat{1}^2$ -Pyrimidine Nucleoside by a Free Pyrimidine Base and Ribose in a Plausible Prebiotic Reaction. <i>Journal of the American Chemical Society</i> , 2007, 129, 9556-9557.	6.6	73
32	Glyoxylate as a Backbone Linkage for a Prebiotic Ancestor of RNA. <i>Origins of Life and Evolution of Biospheres</i> , 2006, 36, 39-63.	0.8	69