Mitchell M Mccartney

List of Publications by Year
in descending order

26	518	933447 10	677142 22
papers	citations	h-index	g-index

26	26	26	656
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nectarâ€inhabiting microorganisms influence nectar volatile composition and attractiveness to a generalist pollinator. New Phytologist, 2018, 220, 750-759.	7.3	171
2	Volatile emanations fromin vitroairway cells infected with human rhinovirus. Journal of Breath Research, 2014, 8, 037110.	3.0	57
3	An Easy to Manufacture Micro Gas Preconcentrator for Chemical Sensing Applications. ACS Sensors, 2017, 2, 1167-1174.	7.8	42
4	Metabolite Content Profiling of Bottlenose Dolphin Exhaled Breath. Analytical Chemistry, 2014, 86, 10616-10624.	6.5	36
5	Wearable Environmental Monitor To Quantify Personal Ambient Volatile Organic Compound Exposures. ACS Sensors, 2019, 4, 1358-1364.	7.8	26
6	Headspace sorptive extraction-gas chromatographyâ€“mass spectrometry method to measure volatile emissions from human airway cell cultures. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1090, 36-42.	2.3	24
7	Coupling a branch enclosure with differential mobility spectrometry to isolate and measure plant volatiles in contained greenhouse settings. Talanta, 2016, 146, 148-154.	5.5	17
8	Environmental sampling of volatile organic compounds during the 2018 Camp Fire in Northern California. Journal of Environmental Sciences, 2021, 103, 135-147.	6.1	15
9	Machine Vision Methods, Natural Language Processing, and Machine Learning Algorithms for Automated Dispersion Plot Analysis and Chemical Identification from Complex Mixtures. Analytical Chemistry, 2019, 91, 10509-10517.	6.5	14
10	SPME-based mobile field device for active sampling of volatiles. Microchemical Journal, 2019, 146, 407-413.	4.5	14
11	Portable combination of Fourier transform infrared spectroscopy and differential mobility spectrometry for advanced vapor phase analysis. Analyst, The, 2018, 143, 5683-5691.	3.5	11
12	Bacteria isolated from Bengal cat (Felis catus Ã— Prionailurus bengalensis) anal sac secretions produce volatile compounds potentially associated with animal signaling. PLoS ONE, 2019, 14, e0216846.	2.5	11
13	An environmental air sampler to evaluate personal exposure to volatile organic compounds. Analyst, The, 2021, 146, 636-645.	3.5	11
14	Breath carbonyl levels in a human population of seven hundred participants. Journal of Breath Research, 2020, 14, 046005.	3.0	10
15	Power-efficient self-cleaning hydrophilic condenser surface for portable exhaled breath condensate (EBC) metabolomic sampling. Journal of Breath Research, 2018, 12, 036020.	3.0	9
16	Modeling cellular metabolomic effects of oxidative stress impacts from hydrogen peroxide and cigarette smoke on human lung epithelial cells. Journal of Breath Research, 2019, 13, 036014.	3.0	9
17	Modular and reconfigurable gas chromatography/differential mobility spectrometry (GC/DMS) package for detection of volatile organic compounds (VOCs). International Journal for Ion Mobility Spectrometry, 2018, 21, 125-136.	1.4	6
18	Peak detection and random forests classification software for gas chromatography/differential mobility spectrometry (GC/DMS) data. Chemometrics and Intelligent Laboratory Systems, 2020, 203, 104085.	3.5	5

#	Article	IF	Citations
19	Analysis of Volatile Profiles for Tracking Asymptomatic Infections of Phytophthora ramorum and Other Pathogens in Rhododendron. Phytopathology, 2021, 111, 1818-1827.	2.2	5
20	Inactivation of SARS-CoV-2 in clinical exhaled breath condensate samples for metabolomic analysis. Journal of Breath Research, 2022, 16, 017102.	3.0	5
21	A low cost, easy-to-assemble, open-source modular mobile sampler design for thermal desorption analysis of breath and environmental VOCs. Journal of Breath Research, 2022, 16, 036005.	3.0	5
22	Volatile organic compound (VOC) emissions of CHO and T cells correlate to their expansion in bioreactors. Journal of Breath Research, 2020, 14, 016002.	3.0	4
23	Predicting Influenza and Rhinovirus Infections in Airway Cells Utilizing Volatile Emissions. Journal of Infectious Diseases, 2021, , .	4.0	4
24	Exhaled breath biomarkers of influenza infection and influenza vaccination. Journal of Breath Research, 2021, 15, 046004.	3.0	4
25	Battery powered dual-polarity ion detector for trace chemical sensing. Sensors and Actuators A: Physical, 2022, 338, 113442.	4.1	3
26	Cell cultures as inÂvitro models for breath research. , 2020, , 425-439.		0