

Kelly R Redeker

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

781
citations

567281

15
h-index

552781

26
g-index

39
all docs

39
docs citations

39
times ranked

914
citing authors

#	ARTICLE	IF	CITATIONS
1	Emissions of Methyl Halides and Methane from Rice Paddies. <i>Science</i> , 2000, 290, 966-969.	12.6	195
2	Development of an efficient glucosinolate extraction method. <i>Plant Methods</i> , 2017, 13, 17.	4.3	76
3	Ectomycorrhizal fungi: A new source of atmospheric methyl halides?. <i>Global Change Biology</i> , 2004, 10, 1009-1016.	9.5	45
4	Isotope values of atmospheric halocarbons and hydrocarbons from Irish urban, rural, and marine locations. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	38
5	Volatile compounds in human breath: critical review and meta-analysis. <i>Journal of Breath Research</i> , 2022, 16, 024001.	3.0	37
6	The Sedimentary Carbon-Sulfur-Iron Interplay – A Lesson From East Anglian Salt Marsh Sediments. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	31
7	Gaseous emissions from flooded rice paddy agriculture. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	27
8	A method for carbon stable isotope analysis of methyl halides and chlorofluorocarbons at pptv concentrations. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 337-342.	1.5	27
9	Quantifying wind and pressure effects on trace gas fluxes across the soil-atmosphere interface. <i>Biogeosciences</i> , 2015, 12, 7423-7434.	3.3	23
10	Mechanisms of Chloroform-Induced Hepatotoxicity: Oxidative Stress and Mitochondrial Permeability Transition in Freshly Isolated Mouse Hepatocytes. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007, 70, 1936-1945.	2.3	21
11	Interfield and intrafield variability of methyl halide emissions from rice paddies. <i>Global Biogeochemical Cycles</i> , 2002, 16, 72-1-72-9.	4.9	20
12	Reevaluation of global emissions from rice paddies of methyl iodide and other species. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	20
13	Environmental controls over methyl halide emissions from rice paddies. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	4.9	19
14	Methyl chloride isotopic signatures from Irish forest soils and a comparison between abiotic and biogenic methyl halide soil fluxes. <i>Global Change Biology</i> , 2012, 18, 1453-1467.	9.5	19
15	Seasonal Dynamics of Methane and Carbon Dioxide Evasion From an Open System Pingo: Lagoon Pingo, Svalbard. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	19
16	Sub-permafrost methane seepage from open-system pingos in Svalbard. <i>Cryosphere</i> , 2020, 14, 3829-3842.	3.9	18
17	Noninvasive Analysis of the Soil Microbiome: Biomonitoring Strategies Using the Volatilome, Community Analysis, and Environmental Data. <i>Advances in Ecological Research</i> , 2018, 59, 93-132.	2.7	17
18	Constant Isothiocyanate-Release Potentials across Biofumigant Seeding Rates. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5108-5116.	5.2	14

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19	Creek Dynamics Determine Pond Subsurface Geochemical Heterogeneity in East Anglian (UK) Salt Marshes. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	14
20	The Production and Fate of Volatile Organosulfur Compounds in Sulfidic and Ferruginous Sediment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3390-3402.	3.0	14
21	Physiological and biochemical controls over methyl halide emissions from rice plants. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	4.9	13
22	Associational resistance through intercropping reduces yield losses to soil-borne pests and diseases. <i>New Phytologist</i> , 2022, 235, 2393-2405.	7.3	13
23	Rethinking antimicrobial stewardship paradigms in the context of the gut microbiome. <i>JAC-Antimicrobial Resistance</i> , 2019, 1, dlz015.	2.1	10
24	Microbial metabolism directly affects trace gases in (sub) polar snowpacks. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170729.	3.4	8
25	Biogeochemical Processes in the Active Layer and Permafrost of a High Arctic Fjord Valley. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	8
26	Nondestructive Chemical Sensing within Bulk Soil Using 1000 Biosensors Per Gram of Matrix. <i>ACS Synthetic Biology</i> , 2022, 11, 2372-2383.	3.8	7
27	SSuMMo: rapid analysis, comparison and visualization of microbial communities. <i>Bioinformatics</i> , 2012, 28, 679-686.	4.1	5
28	A practical introduction to microbial molecular ecology through the use of isolation chips. <i>Ecology and Evolution</i> , 2018, 8, 12286-12298.	1.9	5
29	Catalytic Activation of Unstrained, Nonactivated Ketones Mediated by Platinum(II): Multiple C-C Bond Cleavage and CO Extrusion. <i>Organometallics</i> , 2019, 38, 4539-4542.	2.3	3
30	Marked Seasonal Changes in the Microbial Production, Community Composition, and Biogeochemistry of Glacial Snowpack Ecosystems in the Maritime Antarctic. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005706.	3.0	3
31	Sampling and Analysis of Low-Molecular-Weight Volatile Metabolites in Cellular Headspace and Mouse Breath. <i>Metabolites</i> , 2022, 12, 599.	2.9	3
32	Seasonal mass balance of halogens in simulated rice paddies. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	2
33	Case Report: The effect of intravenous and oral antibiotics on the gut microbiome and breath volatile organic compounds over one year. <i>Wellcome Open Research</i> , 0, 7, 50.	1.8	1
34	Case Report: The effect of intravenous and oral antibiotics on the gut microbiome and breath volatile organic compounds over one year. <i>Wellcome Open Research</i> , 0, 7, 50.	1.8	1