

Timothy A Doane

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,148
citations

471371

17
h-index

610775

24
g-index

25
all docs

25
docs citations

25
times ranked

2982
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemical Soil Methane Emission. ACS Earth and Space Chemistry, 2022, 6, 1742-1749.	1.2	0
2	Fire Affects Asymbiotic Nitrogen Fixation in Southern Amazon Forests. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005383.	1.3	9
3	Effects of ferric sulfate and polyaluminum chloride coagulation enhanced treatment wetlands on Typha growth, soil and water chemistry. Science of the Total Environment, 2019, 648, 116-124.	3.9	21
4	Exposure to Light Elicits a Spectrum of Chemical Changes in Soil. Journal of Geophysical Research F: Earth Surface, 2019, 124, 2288-2310.	1.0	4
5	Interactive effects of land-use change and topography on asymbiotic nitrogen fixation in the Brazilian Atlantic Forest. Biogeochemistry, 2019, 142, 137-153.	1.7	15
6	Soil microbial biomass size and soil carbon influence the priming effect from carbon inputs depending on nitrogen availability. Soil Biology and Biochemistry, 2018, 119, 41-49.	4.2	124
7	The Abiotic Nitrogen Cycle. ACS Earth and Space Chemistry, 2017, 1, 411-421.	1.2	43
8	A survey of photogeochemistry. Geochemical Transactions, 2017, 18, 1.	1.8	29
9	Plant-microbe interactions regulate carbon and nitrogen accumulation in forest soils. Forest Ecology and Management, 2017, 384, 415-423.	1.4	26
10	Soil nitrous oxide emissions in forage systems fertilized with liquid dairy manure and inorganic fertilizers. Agriculture, Ecosystems and Environment, 2016, 225, 160-172.	2.5	25
11	Comparison of isotope methods for partitioning methane production and soil C priming effects during anaerobic decomposition of rice residue in soil. Soil Biology and Biochemistry, 2016, 95, 51-59.	4.2	14
12	A soil carbon proxy to predict CH ₄ and N ₂ O emissions from rewetted agricultural peatlands. Agriculture, Ecosystems and Environment, 2016, 220, 64-75.	2.5	19
13	Role of green waste compost in the production of N ₂ O from agricultural soils. Soil Biology and Biochemistry, 2015, 83, 57-65.	4.2	29
14	Iron-mediated stabilization of soil carbon amplifies the benefits of ecological restoration in degraded lands. Ecological Applications, 2015, 25, 1226-1234.	1.8	37
15	The effect of rice straw on the priming of soil organic matter and methane production in peat soils. Soil Biology and Biochemistry, 2015, 81, 98-107.	4.2	93
16	Ammonia oxidation pathways and nitrifier denitrification are significant sources of N ₂ O and NO under low oxygen availability. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6328-6333.	3.3	632
17	Testing protocol ensures the authenticity of organic fertilizers. California Agriculture, 2013, 67, 210-216.	0.5	7
18	Quantifying the Effects of Green Waste Compost Application, Water Content and Nitrogen Fertilization on Nitrous Oxide Emissions in 10 Agricultural Soils. Journal of Environmental Quality, 2013, 42, 912-918.	1.0	24

#	ARTICLE	IF	CITATIONS
19	Iron: The Forgotten Driver of Nitrous Oxide Production in Agricultural Soil. PLoS ONE, 2013, 8, e60146.	1.1	38
20	Abiotic solubilization of soil organic matter, a less-seen aspect of dissolved organic matter production. Soil Biology and Biochemistry, 2012, 50, 12-21.	4.2	37
21	Eliminating interference from iron(III) for ultraviolet absorbance measurements of dissolved organic matter. Chemosphere, 2010, 78, 1409-1415.	4.2	32
22	Significance of organic nitrogen uptake from plant residues by soil microorganisms as affected by carbon and nitrogen availability. Soil Biology and Biochemistry, 2009, 41, 1281-1288.	4.2	78
23	Nitrogen supply from fertilizer and legume cover crop in the transition to no-tillage for irrigated row crops. Nutrient Cycling in Agroecosystems, 2009, 85, 253-262.	1.1	20
24	Annual dynamics of soil organic matter in the context of long-term trends. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	1.9	5
25	Spectrophotometric Determination of Nitrate with a Single Reagent. Analytical Letters, 2003, 36, 2713-2722.	1.0	787