

Timothy A Doane

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,148
citations

471509
17
h-index

610901
24
g-index

25
all docs

25
docs citations

25
times ranked

2982
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectrophotometric Determination of Nitrate with a Single Reagent. <i>Analytical Letters</i> , 2003, 36, 2713-2722.	1.8	787
2	Ammonia oxidation pathways and nitrifier denitrification are significant sources of N ₂ O and NO under low oxygen availability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6328-6333.	7.1	632
3	Soil microbial biomass size and soil carbon influence the priming effect from carbon inputs depending on nitrogen availability. <i>Soil Biology and Biochemistry</i> , 2018, 119, 41-49.	8.8	124
4	The effect of rice straw on the priming of soil organic matter and methane production in peat soils. <i>Soil Biology and Biochemistry</i> , 2015, 81, 98-107.	8.8	93
5	Significance of organic nitrogen uptake from plant residues by soil microorganisms as affected by carbon and nitrogen availability. <i>Soil Biology and Biochemistry</i> , 2009, 41, 1281-1288.	8.8	78
6	The Abiotic Nitrogen Cycle. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 411-421.	2.7	43
7	Iron: The Forgotten Driver of Nitrous Oxide Production in Agricultural Soil. <i>PLoS ONE</i> , 2013, 8, e60146.	2.5	38
8	Abiotic solubilization of soil organic matter, a less-seen aspect of dissolved organic matter production. <i>Soil Biology and Biochemistry</i> , 2012, 50, 12-21.	8.8	37
9	Iron-mediated stabilization of soil carbon amplifies the benefits of ecological restoration in degraded lands. <i>Ecological Applications</i> , 2015, 25, 1226-1234.	3.8	37
10	Eliminating interference from iron(III) for ultraviolet absorbance measurements of dissolved organic matter. <i>Chemosphere</i> , 2010, 78, 1409-1415.	8.2	32
11	Role of green waste compost in the production of N ₂ O from agricultural soils. <i>Soil Biology and Biochemistry</i> , 2015, 83, 57-65.	8.8	29
12	A survey of photogeochemistry. <i>Geochemical Transactions</i> , 2017, 18, 1.	0.7	29
13	Plant-microbe interactions regulate carbon and nitrogen accumulation in forest soils. <i>Forest Ecology and Management</i> , 2017, 384, 415-423.	3.2	26
14	Soil nitrous oxide emissions in forage systems fertilized with liquid dairy manure and inorganic fertilizers. <i>Agriculture, Ecosystems and Environment</i> , 2016, 225, 160-172.	5.3	25
15	Quantifying the Effects of Green Waste Compost Application, Water Content and Nitrogen Fertilization on Nitrous Oxide Emissions in 10 Agricultural Soils. <i>Journal of Environmental Quality</i> , 2013, 42, 912-918.	2.0	24
16	Effects of ferric sulfate and polyaluminum chloride coagulation enhanced treatment wetlands on <i>Typha</i> growth, soil and water chemistry. <i>Science of the Total Environment</i> , 2019, 648, 116-124.	8.0	21
17	Nitrogen supply from fertilizer and legume cover crop in the transition to no-tillage for irrigated row crops. <i>Nutrient Cycling in Agroecosystems</i> , 2009, 85, 253-262.	2.2	20
18	A soil carbon proxy to predict CH ₄ and N ₂ O emissions from rewetted agricultural peatlands. <i>Agriculture, Ecosystems and Environment</i> , 2016, 220, 64-75.	5.3	19

#	ARTICLE	IF	CITATIONS
19	Interactive effects of land-use change and topography on asymbiotic nitrogen fixation in the Brazilian Atlantic Forest. Biogeochemistry, 2019, 142, 137-153.	3.5	15
20	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.	8.8	14
21	Fire Affects Asymbiotic Nitrogen Fixation in Southern Amazon Forests. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005383.	3.0	9
22	Testing protocol ensures the authenticity of organic fertilizers. California Agriculture, 2013, 67, 210-216.	0.8	7
23	Annual dynamics of soil organic matter in the context of long-term trends. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	4.9	5
24	Exposure to Light Elicits a Spectrum of Chemical Changes in Soil. Journal of Geophysical Research F: Earth Surface, 2019, 124, 2288-2310.	2.8	4
25	Photochemical Soil Methane Emission. ACS Earth and Space Chemistry, 2022, 6, 1742-1749.	2.7	0