

# Jennifer L Soong

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9019897/publications.pdf>

Version: 2024-02-01

28  
papers

3,422  
citations

304743

22  
h-index

501196

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

3622  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of soil organic matter via biochemical and physical pathways of litter mass loss. <i>Nature Geoscience</i> , 2015, 8, 776-779.	12.9	1,021
2	Conceptualizing soil organic matter into particulate and mineral-associated forms to address global change in the 21st century. <i>Global Change Biology</i> , 2020, 26, 261-273.	9.5	693
3	Isolating organic carbon fractions with varying turnover rates in temperate agricultural soils – A comprehensive method comparison. <i>Soil Biology and Biochemistry</i> , 2018, 125, 10-26.	8.8	269
4	Microbial carbon limitation: The need for integrating microorganisms into our understanding of ecosystem carbon cycling. <i>Global Change Biology</i> , 2020, 26, 1953-1961.	9.5	239
5	Global stocks and capacity of mineral-associated soil organic carbon. <i>Nature Communications</i> , 2022, 13, .	12.8	146
6	Impact of priming on global soil carbon stocks. <i>Global Change Biology</i> , 2018, 24, 1873-1883.	9.5	134
7	Five years of whole-soil warming led to loss of subsoil carbon stocks and increased CO <sub>2</sub> efflux. <i>Science Advances</i> , 2021, 7, .	10.3	98
8	A new conceptual model on the fate and controls of fresh and pyrolyzed plant litter decomposition. <i>Biogeochemistry</i> , 2015, 124, 27-44.	3.5	78
9	Soil properties explain tree growth and mortality, but not biomass, across phosphorus-depleted tropical forests. <i>Scientific Reports</i> , 2020, 10, 2302.	3.3	74
10	Soil microarthropods support ecosystem productivity and soil C accrual: Evidence from a litter decomposition study in the tallgrass prairie. <i>Soil Biology and Biochemistry</i> , 2016, 92, 230-238.	8.8	72
11	Annual burning of a tallgrass prairie inhibits C and N cycling in soil, increasing recalcitrant pyrogenic organic matter storage while reducing N availability. <i>Global Change Biology</i> , 2015, 21, 2321-2333.	9.5	66
12	Soil microbial CNP and respiration responses to organic matter and nutrient additions: Evidence from a tropical soil incubation. <i>Soil Biology and Biochemistry</i> , 2018, 122, 141-149.	8.8	62
13	The role of microarthropods in emerging models of soil organic matter. <i>Soil Biology and Biochemistry</i> , 2016, 102, 37-39.	8.8	56
14	CMIP5 Models Predict Rapid and Deep Soil Warming Over the 21st Century. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005266.	3.0	56
15	Using litter chemistry controls on microbial processes to partition litter carbon fluxes with the Litter Decomposition and Leaching (LIDEL) model. <i>Soil Biology and Biochemistry</i> , 2016, 100, 160-174.	8.8	44
16	An integrated spectroscopic and wet chemical approach to investigate grass litter decomposition chemistry. <i>Biogeochemistry</i> , 2016, 128, 107-123.	3.5	40
17	ORCHIMIC (v1.0), a microbe-mediated model for soil organic matter decomposition. <i>Geoscientific Model Development</i> , 2018, 11, 2111-2138.	3.6	39
18	Warming promotes loss of subsoil carbon through accelerated degradation of plant-derived organic matter. <i>Soil Biology and Biochemistry</i> , 2021, 156, 108185.	8.8	35

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19	Naphthalene addition to soil surfaces: A feasible method to reduce soil micro-arthropods with negligible direct effects on soil C dynamics. <i>Applied Soil Ecology</i> , 2014, 74, 21-29.	4.3	34
20	Quantification and FTIR characterization of dissolved organic carbon and total dissolved nitrogen leached from litter: a comparison of methods across litter types. <i>Plant and Soil</i> , 2014, 385, 125-137.	3.7	33
21	A systemic overreaction to years versus decades of warming in a subarctic grassland ecosystem. <i>Nature Ecology and Evolution</i> , 2020, 4, 101-108.	7.8	33
22	Spatial Variation of Soil CO <sub>2</sub> , CH <sub>4</sub> and N <sub>2</sub> O Fluxes Across Topographical Positions in Tropical Forests of the Guiana Shield. <i>Ecosystems</i> , 2018, 21, 1445-1458.	3.4	29
23	High foliar K and P resorption efficiencies in old-growth tropical forests growing on nutrient-poor soils. <i>Ecology and Evolution</i> , 2021, 11, 8969-8982.	1.9	18
24	Below-ground biological responses to pyrogenic organic matter and litter inputs in grasslands. <i>Functional Ecology</i> , 2017, 31, 260-269.	3.6	14
25	Design and Operation of a Continuous <sup>13</sup> C and <sup>15</sup> N Labeling Chamber for Uniform or Differential, Metabolic and Structural, Plant Isotope Labeling. <i>Journal of Visualized Experiments</i> , 2014, , e51117.	0.3	12
26	Long-term warming reduced microbial biomass but increased recent plant-derived C in microbes of a subarctic grassland. <i>Soil Biology and Biochemistry</i> , 2022, 167, 108590.	8.8	12
27	Negative priming of soil organic matter following long-term in situ warming of sub-arctic soils. <i>Geoderma</i> , 2022, 410, 115652.	5.1	10
28	Whole-soil warming decreases abundance and modifies the community structure of microorganisms in the subsoil but not in surface soil. <i>Soil</i> , 2021, 7, 477-494.	4.9	5