

Olga Gavrichkova

List of Publications by Year in descending order

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24
papers

1,411
citations

567247

15
h-index

642715

23
g-index

24
all docs

24
docs citations

24
times ranked

2454
citing authors

#	ARTICLE	IF	CITATIONS
1	REVIEW: Time lag between photosynthesis and carbon dioxide efflux from soil: a review of mechanisms and controls. <i>Global Change Biology</i> , 2010, 16, 3386-3406.	9.5	561
2	Carbon allocation and carbon isotope fluxes in the plant-soil-atmosphere continuum: a review. <i>Biogeosciences</i> , 2011, 8, 3457-3489.	3.3	289
3	Carbon input and allocation by rice into paddy soils: A review. <i>Soil Biology and Biochemistry</i> , 2019, 133, 97-107.	8.8	106
4	Investigating the European beech (<i>Fagus sylvatica</i> L.) leaf characteristics along the vertical canopy profile: leaf structure, photosynthetic capacity, light energy dissipation and photoprotection mechanisms. <i>Tree Physiology</i> , 2016, 36, 1060-1076.	3.1	55
5	Influence of defoliation on CO ₂ efflux from soil and microbial activity in a Mediterranean grassland. <i>Agriculture, Ecosystems and Environment</i> , 2010, 136, 87-96.	5.3	51
6	Ammonium versus nitrate nutrition of <i>Zea mays</i> and <i>Lupinus albus</i> : Effect on root-derived CO ₂ efflux. <i>Soil Biology and Biochemistry</i> , 2008, 40, 2835-2842.	8.8	48
7	Authentication and traceability of Italian extra-virgin olive oils by means of stable isotopes techniques. <i>Food Chemistry</i> , 2014, 164, 12-16.	8.2	39
8	Emission of constitutive isoprene, induced monoterpenes, and other volatiles under high temperatures in <i>Eucalyptus camaldulensis</i> : A ¹³ C labelling study. <i>Plant, Cell and Environment</i> , 2019, 42, 1929-1938.	5.7	37
9	Winter's bite: beech trees survive complete defoliation due to spring late-frost damage by mobilizing old C reserves. <i>New Phytologist</i> , 2019, 224, 625-631.	7.3	36
10	Carbon and nitrogen allocation strategy in <i>Posidonia oceanica</i> is altered by seawater acidification. <i>Science of the Total Environment</i> , 2017, 607-608, 954-964.	8.0	33
11	Respiration costs associated with nitrate reduction as estimated by ¹⁴ CO ₂ pulse labeling of corn at various growth stages. <i>Plant and Soil</i> , 2010, 329, 433-445.	3.7	25
12	The above-belowground coupling of the C cycle: fast and slow mechanisms of C transfer for root and rhizomicrobial respiration. <i>Plant and Soil</i> , 2017, 410, 73-85.	3.7	23
13	Bacterial community succession in paddy soil depending on rice fertilization. <i>Applied Soil Ecology</i> , 2019, 144, 92-97.	4.3	23
14	Secondary soil salinization in urban lawns: Microbial functioning, vegetation state, and implications for carbon balance. <i>Land Degradation and Development</i> , 2020, 31, 2591-2604.	3.9	19
15	Short-term natural ¹³ C and ¹⁸ O variations in pools and fluxes in a beech forest: the transfer of isotopic signal from recent photosynthates to soil respired CO ₂ . <i>Biogeosciences</i> , 2011, 8, 2833-2846.	3.3	18
16	Diversity and Source of Airborne Microbial Communities at Differential Polluted Sites of Rome. <i>Atmosphere</i> , 2022, 13, 224.	2.3	11
17	Effects of rain shortage on carbon allocation, pools and fluxes in a Mediterranean shrub ecosystem – a ¹³ C labelling field study. <i>Science of the Total Environment</i> , 2018, 627, 1242-1252.	8.0	8
18	When the Mediterranean becomes harsh: Heat pulses strongly affect C allocation in plant-soil-atmosphere continuum in <i>Eucalyptus camaldulensis</i> . <i>Environmental and Experimental Botany</i> , 2019, 162, 181-191.	4.2	8

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19	Direct phloem transport and pressure concentration waves in linking shoot and rhizosphere activity.. Plant and Soil, 2012, 351, 23-30.	3.7	6
20	Microscopic Fungi in Big Cities: Biodiversity, Source, and Relation to Pollution by Potentially Toxic Metals. Atmosphere, 2021, 12, 1471.	2.3	6
21	Does long-term warming affect C and N allocation in a Mediterranean shrubland ecosystem? Evidence from a ¹³ C and ¹⁵ N labeling field study. Environmental and Experimental Botany, 2017, 141, 170-180.	4.2	5
22	Phylloplane Biodiversity and Activity in the City at Different Distances from the Traffic Pollution Source. Plants, 2022, 11, 402.	3.5	3
23	Effects of the Road Deicing Practices on Gas Exchange Parameters in Urban Lawn Ecosystems. Springer Geography, 2020, , 45-51.	0.4	1
24	Comparative Study of Soil Respiration Partitioning Methods for Herbaceous Ecosystems. Springer Geography, 2019, , 106-111.	0.4	0