RaphaÃ«l Gros

List of Publications by Year
in descending order

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33	830	567281	501196
papers	citations	15 h-index	28 g-index

35	35	35	1210
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TRENDS IN RECOVERY OF MEDITERRANEAN SOIL CHEMICAL PROPERTIES AND MICROBIAL ACTIVITIES AFTER INFREQUENT AND FREQUENT WILDFIRES. Land Degradation and Development, 2013, 24, 115-128.	3.9	98
2	Resilience of soil microbial communities impacted by severe drought and high temperature in the context of Mediterranean heat waves. European Journal of Soil Biology, 2011, 47, 333-342.	3.2	94
3	Secondary metabolites of <scp>P</scp>inus halepensis alter decomposer organisms and litter decomposition during afforestation of abandoned agricultural zones. Journal of Ecology, 2014, 102, 411-424.	4.0	68
4	Variable selection in near infrared spectra for the biological characterization of soil and earthworm casts. Soil Biology and Biochemistry, 2008, 40, 1975-1979.	8.8	65
5	Relationships between soil physico-chemical properties and microbial activity along a restoration chronosequence of alpine grasslands following ski run construction. Applied Soil Ecology, 2004, 27, 7-22.	4.3	59
6	Allelochemicals of Pinus halepensis as Drivers of Biodiversity in Mediterranean Open Mosaic Habitats During the Colonization Stage of Secondary Succession. Journal of Chemical Ecology, 2013, 39, 298-311.	1.8	59
7	Predicting soil quality indices with near infrared analysis in a wildfire chronosequence. Science of the Total Environment, 2009, 407, 1200-1205.	8.0	32
8	Severe drought-induced community tolerance to heat wave. An experimental study on soil microbial processes. Journal of Soils and Sediments, 2012, 12, 513-518.	3.0	32
9	Soil organic matter quality and microbial catabolic functions along a gradient of wildfire history in a Mediterranean ecosystem. Applied Soil Ecology, 2011, 48, 81-93.	4.3	29
10	Additive or non-additive effect of mixing oak in pine stands on soil properties depends on the tree species in Mediterranean forests. Science of the Total Environment, 2017, 590-591, 676-685.	8.0	27
11	Plant and soil microbial community responses to solid waste leachates diffusion on grassland. Plant and Soil, 2003, 255, 445-455.	3.7	26
12	Waste ecocompatibility in storage and reuse scenarios: global methodology and detailed presentation of the impact study on the recipient environments. Waste Management, 2002, 22, 215-228.	7.4	22
13	Does disturbance and restoration of alpine grassland soils affect the genetic structure and diversity of bacterial and N₂â€fixing populations?. Environmental Microbiology, 2006, 8, 1889-1901.	3.8	22
14	Frequent-wildfires with shortened time-since-fire affect soil microbial functional stability to drying and rewetting events. Soil Biology and Biochemistry, 2013, 57, 663-674.	8.8	22
15	Eradication of invasive Carpobrotus sp.: effects on soil and vegetation. Restoration Ecology, 2018, 26, 106-113.	2.9	18
16	Mixing of Aleppo pine and Holm oak litter increases biochemical diversity and alleviates N limitations of microbial activity. Soil Biology and Biochemistry, 2017, 105, 216-226.	8.8	17
17	Above- and below-ground effects of an ecosystem engineer ant in Mediterranean dry grasslands. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201840.	2.6	16
18	Phenolics of the understory shrub Cotinus coggygria influence Mediterranean oak forests diversity and dynamics. Forest Ecology and Management, 2019, 441, 262-270.	3.2	14

#	Article	IF	Citations
19	Short-Term Changes in Bacterial Community Fingerprints and Potential Activities in an Alfisol Supplemented with Solid Waste Leachates. Environmental Science & Technology, 2002, 36, 4729-4734.	10.0	13
20	Do litter-mediated plant-soil feedbacks influence Mediterranean oak regeneration? A two-year pot experiment. Plant and Soil, 2018, 430, 59-71.	3.7	12
21	Effect of agricultural practices and coastal constraints on soil microbial functional properties in <scp>M</scp>editerranean olive orchards. European Journal of Soil Science, 2016, 67, 470-477.	3.9	10
22	Microbial activities and physicochemical properties of coniferous forest soils in two forest areas (arid and semi-arid) of western Algeria. Bosque, 2019, 40, 163-171.	0.3	10
23	Soil Microbial Functions After Forest Fires Affected by the Compost Quality. Land Degradation and Development, 2016, 27, 1391-1402.	3.9	9
24	Soil physico-chemical changes following application of municipal solid waste leachates to grasslands. Water, Air, and Soil Pollution, 2006, 169, 81-100.	2.4	8
25	Increasing the maturity of compost used affects the soil chemical properties and the stability of microbial activity along a mediterranean post-fire chronosequence. European Journal of Soil Biology, 2015, 66, 1-10.	3.2	8
26	Changes in soil organic matter and microbial communities after fine and coarse residues inputs from Mediterranean tree species. Applied Soil Ecology, 2020, 149, 103516.	4.3	8
27	Distance from the sea as a driving force of microbial communities under water potential stresses in litters of two typical Mediterranean plant species. Geoderma, 2016, 269, 1-9.	5.1	7
28	Characterization of coniferous forest soils in the arid zone. Forestry Studies, 2018, 68, 64-74.	0.2	6
29	Environmental Drivers of Microbial Functioning in Mediterranean Forest Soils. Microbial Ecology, 2020, 80, 669-681.	2.8	5
30	Effect of Fires on Certain Properties of Forest Soils in Western Algeria. Acta Technologica Agriculturae, 2020, 23, 111-117.	0.9	5
31	Olive mill waste and glyphosateâ€based herbicide addition to olive grove soils: effects on microbial activities and their responses to dryingâ€“rewetting cycles. Soil Use and Management, 2017, 33, 499-510.	4.9	3
32	Comparative Local Case Study of Coniferous Forest Litter of the "Pinus halepensis Mill" in Arid and Semi-arid Areas of Western Algeria. Acta Silvatica Et Lignaria Hungarica, 2020, 16, 39-50.	0.3	2
33	Coastal environments shape chemical and microbial properties of forest litters in the Circumâ€Mediterranean region. European Journal of Soil Science, 2021, 72, 1010-1025.	3.9	1