

# Raphaël Gros

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

830  
citations

567281

15  
h-index

501196

28  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coastal environments shape chemical and microbial properties of forest litters in the Circum-Mediterranean region. <i>European Journal of Soil Science</i> , 2021, 72, 1010-1025.	3.9	1
2	Above- and below-ground effects of an ecosystem engineer ant in Mediterranean dry grasslands. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201840.	2.6	16
3	Environmental Drivers of Microbial Functioning in Mediterranean Forest Soils. <i>Microbial Ecology</i> , 2020, 80, 669-681.	2.8	5
4	Changes in soil organic matter and microbial communities after fine and coarse residues inputs from Mediterranean tree species. <i>Applied Soil Ecology</i> , 2020, 149, 103516.	4.3	8
5	Effect of Fires on Certain Properties of Forest Soils in Western Algeria. <i>Acta Technologica Agriculturae</i> , 2020, 23, 111-117.	0.9	5
6	Comparative Local Case Study of Coniferous Forest Litter of the "Pinus halepensis Mill" in Arid and Semi-arid Areas of Western Algeria. <i>Acta Silvatica Et Lignaria Hungarica</i> , 2020, 16, 39-50.	0.3	2
7	Phenolics of the understory shrub <i>Cotinus coggygria</i> influence Mediterranean oak forests diversity and dynamics. <i>Forest Ecology and Management</i> , 2019, 441, 262-270.	3.2	14
8	Microbial activities and physicochemical properties of coniferous forest soils in two forest areas (arid and semi-arid) of western Algeria. <i>Bosque</i> , 2019, 40, 163-171.	0.3	10
9	Eradication of invasive <i>Carpobrotus</i> sp.: effects on soil and vegetation. <i>Restoration Ecology</i> , 2018, 26, 106-113.	2.9	18
10	Do litter-mediated plant-soil feedbacks influence Mediterranean oak regeneration? A two-year pot experiment. <i>Plant and Soil</i> , 2018, 430, 59-71.	3.7	12
11	Characterization of coniferous forest soils in the arid zone. <i>Forestry Studies</i> , 2018, 68, 64-74.	0.2	6
12	Additive or non-additive effect of mixing oak in pine stands on soil properties depends on the tree species in Mediterranean forests. <i>Science of the Total Environment</i> , 2017, 590-591, 676-685.	8.0	27
13	Mixing of Aleppo pine and Holm oak litter increases biochemical diversity and alleviates N limitations of microbial activity. <i>Soil Biology and Biochemistry</i> , 2017, 105, 216-226.	8.8	17
14	Olive mill waste and glyphosate-based herbicide addition to olive grove soils: effects on microbial activities and their responses to drying-rewetting cycles. <i>Soil Use and Management</i> , 2017, 33, 499-510.	4.9	3
15	Distance from the sea as a driving force of microbial communities under water potential stresses in litters of two typical Mediterranean plant species. <i>Geoderma</i> , 2016, 269, 1-9.	5.1	7
16	Soil Microbial Functions After Forest Fires Affected by the Compost Quality. <i>Land Degradation and Development</i> , 2016, 27, 1391-1402.	3.9	9
17	Effect of agricultural practices and coastal constraints on soil microbial functional properties in Mediterranean olive orchards. <i>European Journal of Soil Science</i> , 2016, 67, 470-477.	3.9	10
18	Increasing the maturity of compost used affects the soil chemical properties and the stability of microbial activity along a mediterranean post-fire chronosequence. <i>European Journal of Soil Biology</i> , 2015, 66, 1-10.	3.2	8

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19	Secondary metabolites of <i>Pinus halepensis</i> alter decomposer organisms and litter decomposition during afforestation of abandoned agricultural zones. <i>Journal of Ecology</i> , 2014, 102, 411-424.	4.0	68
20	TRENDS IN RECOVERY OF MEDITERRANEAN SOIL CHEMICAL PROPERTIES AND MICROBIAL ACTIVITIES AFTER INFREQUENT AND FREQUENT WILDFIRES. <i>Land Degradation and Development</i> , 2013, 24, 115-128.	3.9	98
21	Allelochemicals of <i>Pinus halepensis</i> as Drivers of Biodiversity in Mediterranean Open Mosaic Habitats During the Colonization Stage of Secondary Succession. <i>Journal of Chemical Ecology</i> , 2013, 39, 298-311.	1.8	59
22	Frequent-wildfires with shortened time-since-fire affect soil microbial functional stability to drying and rewetting events. <i>Soil Biology and Biochemistry</i> , 2013, 57, 663-674.	8.8	22
23	Severe drought-induced community tolerance to heat wave. An experimental study on soil microbial processes. <i>Journal of Soils and Sediments</i> , 2012, 12, 513-518.	3.0	32
24	Soil organic matter quality and microbial catabolic functions along a gradient of wildfire history in a Mediterranean ecosystem. <i>Applied Soil Ecology</i> , 2011, 48, 81-93.	4.3	29
25	Resilience of soil microbial communities impacted by severe drought and high temperature in the context of Mediterranean heat waves. <i>European Journal of Soil Biology</i> , 2011, 47, 333-342.	3.2	94
26	Predicting soil quality indices with near infrared analysis in a wildfire chronosequence. <i>Science of the Total Environment</i> , 2009, 407, 1200-1205.	8.0	32
27	Variable selection in near infrared spectra for the biological characterization of soil and earthworm casts. <i>Soil Biology and Biochemistry</i> , 2008, 40, 1975-1979.	8.8	65
28	Does disturbance and restoration of alpine grassland soils affect the genetic structure and diversity of bacterial and N-fixing populations?. <i>Environmental Microbiology</i> , 2006, 8, 1889-1901.	3.8	22
29	Soil physico-chemical changes following application of municipal solid waste leachates to grasslands. <i>Water, Air, and Soil Pollution</i> , 2006, 169, 81-100.	2.4	8
30	Relationships between soil physico-chemical properties and microbial activity along a restoration chronosequence of alpine grasslands following ski run construction. <i>Applied Soil Ecology</i> , 2004, 27, 7-22.	4.3	59
31	Plant and soil microbial community responses to solid waste leachates diffusion on grassland. <i>Plant and Soil</i> , 2003, 255, 445-455.	3.7	26
32	Short-Term Changes in Bacterial Community Fingerprints and Potential Activities in an Alfisol Supplemented with Solid Waste Leachates. <i>Environmental Science &amp; Technology</i> , 2002, 36, 4729-4734.	10.0	13
33	Waste ecocompatibility in storage and reuse scenarios: global methodology and detailed presentation of the impact study on the recipient environments. <i>Waste Management</i> , 2002, 22, 215-228.	7.4	22