

# Barbara Faccini

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

750  
citations

623574

14  
h-index

526166

27  
g-index

38  
all docs

38  
docs citations

38  
times ranked

735  
citing authors

#	ARTICLE	IF	CITATIONS
1	Amphiboles from suprasubduction and intraplate lithospheric mantle. <i>Lithos</i> , 2007, 99, 68-84.	0.6	157
2	Amphibole genesis via metasomatic reaction with clinopyroxene in mantle xenoliths from Victoria Land, Antarctica. <i>Lithos</i> , 2004, 75, 115-139.	0.6	114
3	Water contents of pyroxenes in intraplate lithospheric mantle. <i>European Journal of Mineralogy</i> , 2009, 21, 637-647.	0.4	61
4	High resolution short-term investigation of soil CO <sub>2</sub> , N <sub>2</sub> O, NO <sub>x</sub> and NH <sub>3</sub> emissions after different chabazite zeolite amendments. <i>Applied Soil Ecology</i> , 2017, 119, 138-144.	2.1	33
5	Open-field experimentation of an innovative and integrated zeolitite cycle: project definition and material characterization. <i>Rendiconti Lincei</i> , 2013, 24, 141-150.	1.0	30
6	The role of eclogite in the rift-related metasomatism and Cenozoic magmatism of Northern Victoria Land, Antarctica. <i>Lithos</i> , 2011, 124, 319-330.	0.6	28
7	Reclamation influence and background geochemistry of neutral saline soils in the Po River Delta Plain (Northern Italy). <i>Environmental Earth Sciences</i> , 2014, 72, 2457-2473.	1.3	26
8	Natural and NH <sub>4</sub> <sup>+</sup> -enriched zeolite amendment effects on nitrate leaching from a reclaimed agricultural soil (Ferrara Province, Italy). <i>Nutrient Cycling in Agroecosystems</i> , 2018, 110, 327-341.	1.1	25
9	Short-Term Response of Soil Microbial Biomass to Different Chabazite Zeolite Amendments. <i>Pedosphere</i> , 2018, 28, 277-287.	2.1	24
10	Leaching behaviour of a sandy soil amended with natural and NH <sub>4</sub> <sup>+</sup> and K <sup>+</sup> saturated clinoptilolite and chabazite. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 1142-1151.	1.3	21
11	Combination of wavelength dispersive X-ray fluorescence analysis and multivariate statistic for alluvial soils classification: a case study from the Padanian Plain (Northern Italy). <i>X-Ray Spectrometry</i> , 2014, 43, 165-174.	0.9	18
12	C-N elemental and isotopic investigation in agricultural soils: Insights on the effects of zeolite amendments. <i>Chemie Der Erde</i> , 2017, 77, 45-52.	0.8	17
13	Isotherms, Kinetics, and Thermodynamics of NH <sub>4</sub> <sup>+</sup> Adsorption in Raw Liquid Manure by Using Natural Chabazite Zeolite-Rich Tuff. <i>Water (Switzerland)</i> , 2020, 12, 2944.	1.2	15
14	Estimated Water Savings in an Agricultural Field Amended With Natural Zeolites. <i>Environmental Processes</i> , 2016, 3, 617-628.	1.7	14
15	Mitigation of sodium risk in a sandy agricultural soil by the use of natural zeolites. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 646.	1.3	14
16	Distinct Particle Films Impacts on Olive Leaf Optical Properties and Plant Physiology. <i>Foods</i> , 2021, 10, 1291.	1.9	13
17	Relationship between particle density and soil bulk chemical composition. <i>Journal of Soils and Sediments</i> , 2016, 16, 909-915.	1.5	12
18	Pervasive, tholeiitic refertilisation and heterogeneous metasomatism in Northern Victoria Land lithospheric mantle (Antarctica). <i>Lithos</i> , 2016, 248-251, 493-505.	0.6	12

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19	15N Natural Abundance, Nitrogen and Carbon Pools in Soil-Sorghum System Amended with Natural and NH <sub>4</sub> <sup>+</sup> -Enriched Zeolites. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4524.	1.3	12
20	Subduction-related melt refertilisation and alkaline metasomatism in the Eastern Transylvanian Basin lithospheric mantle: Evidence from mineral chemistry and noble gases in fluid inclusions. <i>Lithos</i> , 2020, 364-365, 105516.	0.6	12
21	Impact of Sequential Treatments with Natural and Na-Exchanged Chabazite Zeolite-Rich Tuff on Pig-Slurry Chemical Composition. <i>Water (Switzerland)</i> , 2020, 12, 310.	1.2	11
22	Abnormal trace element concentrations in a shallow aquifer belonging to saline reclaimed environments, Codigoro (Italy). <i>Rendiconti Lincei</i> , 2016, 27, 95-104.	1.0	9
23	Gross Ammonification and Nitrification Rates in Soil Amended with Natural and NH <sub>4</sub> -Enriched Chabazite Zeolite and Nitrification Inhibitor DMPP. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2605.	1.3	9
24	Melting and metasomatism in West Eifel and Siebengebirge Sub-Continental Lithospheric Mantle: Evidence from concentrations of volatiles in fluid inclusions and petrology of ultramafic xenoliths. <i>Chemical Geology</i> , 2021, 581, 120400.	1.4	9
25	The use of particle density in sedimentary provenance studies: the superficial sediment of Po Plain (Italy) case study. <i>Geosciences Journal</i> , 2014, 18, 449-458.	0.6	8
26	Melting and metasomatism/refertilisation processes in the Patagonian sub-continental lithospheric mantle: A review. <i>Lithos</i> , 2020, 354-355, 105324.	0.6	8
27	EoS of mantle minerals coupled with composition and thermal state of the lithosphere: Inferring the density structure of peridotitic systems. <i>Lithos</i> , 2021, 404-405, 106483.	0.6	7
28	Multiple X-ray approaches to discriminate the origin of liquefied sand erupted during the 2012 Emilia Romagna earthquake. <i>X-Ray Spectrometry</i> , 2016, 45, 19-27.	0.9	6
29	Effects of Different Chabazite Zeolite Amendments to Sorption of Nitrification Inhibitor 3,4-Dimethylpyrazole Phosphate (DMPP) in Soil. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 973-978.	1.7	6
30	Nature and evolution of the northern Victoria Land lithospheric mantle (Antarctica) as revealed by ultramafic xenoliths. <i>Geological Society Memoir</i> , 2023, 56, 57-82.	0.9	6
31	Sand volcano generated by a violent degassing from methane-saturated aquifers: The case study of Medolla (Modena, Italy). <i>Engineering Geology</i> , 2017, 221, 91-103.	2.9	4
32	Phlogopite-pargasite coexistence in an oxygen reduced spinel-peridotite ambient. <i>Scientific Reports</i> , 2021, 11, 11829.	1.6	3
33	A time- and cost-saving method to check the point-to-point distribution of soil improvers. <i>Journal of Plant Nutrition and Soil Science</i> , 2021, 184, 263-270.	1.1	2
34	Formation and dissolution of salt crusts as a rapid way of nitrate mobilization in a tile-drained agricultural field under a temperate climate. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	1
35	Effects of middle-term land reclamation on nickel soil-water interaction: a case study from reclaimed salt marshes of Po River Delta, Italy. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 523.	1.3	1
36	Assessment of heavy metal bioaccumulation in sorghum from neutral saline soils in the Po River Delta Plain (Northern Italy). <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	1

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37	CO2 storage in the Antarctica Sub-Continental Lithospheric Mantle as revealed by intra- and inter-granular fluids. <i>Lithos</i> , 2022, 416-417, 106643.	0.6	1
38	Reduction of Nitrogen Load in a Zootechnical Wastewater Using a Natural Chabazite Zeolite: An Investigation on Sorption Mechanisms. <i>Environmental Sciences Proceedings</i> , 2020, 2, .	0.3	0