

Long-term fertilisation regimes affect the composition of
phosphomonoesterase encoding microbial community
fractions

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Response of soil <i>phoD</i> phosphatase gene to long-term combined applications of chemical fertilizers and organic materials. <i>Applied Soil Ecology</i> , 2017, 119, 197-204.	2.1	99
2	Impact of land-use change and soil organic carbon quality on microbial diversity in soils across Europe. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	1.3	101
3	Contrasting P acquisition strategies of the bacterial communities associated with legume and grass in subtropical orchard soil. <i>Environmental Microbiology Reports</i> , 2018, 10, 310-319.	1.0	17
4	Plant roots and species moderate the salinity effect on microbial respiration, biomass, and enzyme activities in a sandy clay soil. <i>Biology and Fertility of Soils</i> , 2018, 54, 509-521.	2.3	41
5	Plant biomass management impacts on short-term soil phosphorus dynamics in a temperate grassland. <i>Biology and Fertility of Soils</i> , 2018, 54, 397-409.	2.3	17
6	Effects of long-term fertilization on <i>phoD</i> -harboring bacterial community in Karst soils. <i>Science of the Total Environment</i> , 2018, 628-629, 53-63.	3.9	144
7	Long-term agronomic practices alter the composition of asymbiotic diazotrophic bacterial community and their nitrogen fixation genes in an acidic red soil. <i>Biology and Fertility of Soils</i> , 2018, 54, 329-339.	2.3	21
8	Microbial indicators for soil quality. <i>Biology and Fertility of Soils</i> , 2018, 54, 1-10.	2.3	312
9	<i>Urochloa ruziziensis</i> cover crop increases the cycling of soil inositol phosphates. <i>Biology and Fertility of Soils</i> , 2018, 54, 935-947.	2.3	9
10	Soil Phosphatase Activities across a Liming Gradient under Long-term Managements in Kenya. <i>Soil Science Society of America Journal</i> , 2018, 82, 850-861.	1.2	20
11	Spatiotemporal patterns of enzyme activities in the rhizosphere: effects of plant growth and root morphology. <i>Biology and Fertility of Soils</i> , 2018, 54, 819-828.	2.3	31
12	Bacterial Preferences for Specific Soil Particle Size Fractions Revealed by Community Analyses. <i>Frontiers in Microbiology</i> , 2018, 9, 149.	1.5	92
13	Effects of cover crop in an apple orchard on microbial community composition, networks, and potential genes involved with degradation of crop residues in soil. <i>Biology and Fertility of Soils</i> , 2018, 54, 743-759.	2.3	85
14	Organic amendments increase crop yields by improving microbe-mediated soil functioning of agroecosystems: A meta-analysis. <i>Soil Biology and Biochemistry</i> , 2018, 124, 105-115.	4.2	251
15	Soil Erosion and C Losses: Strategies for Building Soil Carbon. , 2018, , 215-238.		8
16	Understanding how long-term organic amendments increase soil phosphatase activities: Insight into <i>phoD</i> - and <i>phoC</i> -harboring functional microbial populations. <i>Soil Biology and Biochemistry</i> , 2019, 139, 107632.	4.2	110
17	Exogenous Nitric Oxide and Phosphorus Stress Affect the Mycorrhization, Plant Growth, and Associated Microbes of <i>Carya illinoensis</i> Seedlings Colonized by <i>Tuber indicum</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 2634.	1.5	14
18	Soil Nutrients Drive Function and Composition of <i>phoC</i> -Harboring Bacterial Community in Acidic Soils of Southern China. <i>Frontiers in Microbiology</i> , 2019, 10, 2654.	1.5	25

#	ARTICLE	IF	CITATIONS
19	Effects of decabromodiphenyl ether on activity, abundance, and community composition of phosphorus mineralizing bacteria in eutrophic lake sediments. <i>Science of the Total Environment</i> , 2019, 695, 133785.	3.9	24
20	C/P stoichiometry of dying rice root defines the spatial distribution and dynamics of enzyme activities in root-detritusphere. <i>Biology and Fertility of Soils</i> , 2019, 55, 251-263.	2.3	70
21	Nitrogen-inputs regulate microbial functional and genetic resistance and resilience to drying–rewetting cycles, with implications for crop yields. <i>Plant and Soil</i> , 2019, 441, 301-315.	1.8	11
22	Soil alkaline phosphatase activity and bacterial phoD gene abundance and diversity under long-term nitrogen and manure inputs. <i>Geoderma</i> , 2019, 349, 36-44.	2.3	72
23	Temporal changes in biochemical indicators of soil quality in response to tillage, crop residue and green manure management in a rice-wheat system. <i>Ecological Indicators</i> , 2019, 103, 383-394.	2.6	64
24	Heavy metal and soil nutrient accumulation and ecological risk assessment of vegetable fields in representative facilities in Shandong Province, China. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 240.	1.3	10
25	Metagenomic exploration of the interactions between N and P cycling and SOM turnover in an apple orchard with a cover crop fertilized for 9 years. <i>Biology and Fertility of Soils</i> , 2019, 55, 365-381.	2.3	37
26	Impact of long-term phosphorus fertilizer inputs on bacterial phoD gene community in a maize field, Northeast China. <i>Science of the Total Environment</i> , 2019, 669, 1011-1018.	3.9	89
27	Historical Nitrogen Deposition and Straw Addition Facilitate the Resistance of Soil Multifunctionality to Drying-Wetting Cycles. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	23
28	Biogeochemical cycles of key elements in the paddy-rice rhizosphere: Microbial mechanisms and coupling processes. <i>Rhizosphere</i> , 2019, 10, 100145.	1.4	85
29	Current opinion and perspectives on the methods for tracking and monitoring plant growth-promoting bacteria. <i>Soil Biology and Biochemistry</i> , 2019, 130, 205-219.	4.2	102
30	Rare taxa of alkaline phosphomonoesterase-harboring microorganisms mediate soil phosphorus mineralization. <i>Soil Biology and Biochemistry</i> , 2019, 131, 62-70.	4.2	193
31	Cellulose and lignin regulate partitioning of soil phosphorus fractions and alkaline phosphomonoesterase encoding bacterial community in phosphorus-deficient soils. <i>Biology and Fertility of Soils</i> , 2019, 55, 31-42.	2.3	33
32	Soil aggregate fractionation and phosphorus fraction driven by long-term fertilization regimes affect the abundance and composition of P-cycling-related bacteria. <i>Soil and Tillage Research</i> , 2020, 196, 104475.	2.6	61
33	Alkaline phosphatase-harboring bacterial community and multiple enzyme activity contribute to phosphorus transformation during vegetable waste and chicken manure composting. <i>Bioresource Technology</i> , 2020, 297, 122406.	4.8	55
34	Chloropicrin fumigation alters the soil phosphorus and the composition of the encoding alkaline phosphatase PhoD gene microbial community. <i>Science of the Total Environment</i> , 2020, 711, 135080.	3.9	29
35	Response of soil enzyme activity and bacterial community to black phosphorus nanosheets. <i>Environmental Science: Nano</i> , 2020, 7, 404-413.	2.2	2
36	Suspended particles phoD alkaline phosphatase gene diversity in large shallow eutrophic Lake Taihu. <i>Science of the Total Environment</i> , 2020, 728, 138615.	3.9	33

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37	Anaerobic soil disinfestation using diluted ethanol increases phosphorus availability in arable Andosols. <i>Biology and Fertility of Soils</i> , 2020, 56, 927-941.	2.3	10
38	N addition increased microbial residual carbon by altering soil P availability and microbial composition in a subtropical <i>Castanopsis</i> forest. <i>Geoderma</i> , 2020, 375, 114470.	2.3	49
39	Diazotrophic communities are more responsive to maize cultivation than phosphorus fertilization in an acidic soil. <i>Plant and Soil</i> , 2020, 452, 499-512.	1.8	11
40	Colonization by <i>Tuber melanosporum</i> and <i>Tuber indicum</i> affects the growth of <i>Pinus armandii</i> and <i>phoD</i> alkaline phosphatase encoding bacterial community in the rhizosphere. <i>Microbiological Research</i> , 2020, 239, 126520.	2.5	10
41	Responses of bacterial <i>phoD</i> gene abundance and diversity to crop rotation and feedbacks to phosphorus uptake in wheat. <i>Applied Soil Ecology</i> , 2020, 154, 103604.	2.1	22
42	Soil Carbon, Nitrogen, and Phosphorus Cycling Microbial Populations and Their Resistance to Global Change Depend on Soil C:N:P Stoichiometry. <i>MSystems</i> , 2020, 5, .	1.7	97
43	Dynamics of phosphorus speciation and the <i>phoD</i> phosphatase gene community in the rhizosphere and bulk soil along an estuarine freshwater-oligohaline gradient. <i>Geoderma</i> , 2020, 365, 114236.	2.3	39
44	Partial substitution of chemical fertilizer by organic materials changed the abundance, diversity, and activity of <i>nirS</i> -type denitrifying bacterial communities in a vegetable soil. <i>Applied Soil Ecology</i> , 2020, 152, 103589.	2.1	25
45	Isolation and Characterization of Phosphorus Solubilizing Bacteria With Multiple Phosphorus Sources Utilizing Capability and Their Potential for Lead Immobilization in Soil. <i>Frontiers in Microbiology</i> , 2020, 11, 752.	1.5	95
46	Spatial differences in soil microbial diversity caused by pH -driven organic phosphorus mineralization. <i>Land Degradation and Development</i> , 2021, 32, 766-776.	1.8	56
47	Long-term organic and inorganic fertilization alters the diazotrophic abundance, community structure, and co-occurrence patterns in a vertisol. <i>Science of the Total Environment</i> , 2021, 766, 142441.	3.9	25
48	Dispersal limitation driving <i>phoD</i> -harboring bacterial community assembly: A potential indicator for ecosystem multifunctionality in long-term fertilized soils. <i>Science of the Total Environment</i> , 2021, 754, 141960.	3.9	32
49	<i>Staphylococcus hominis</i> YJLJH and <i>Staphylococcus epidermidis</i> YJ101 promote the growth of white clover (<i>Trifolium repens</i> L.) by increasing available phosphorus. <i>Symbiosis</i> , 2021, 83, 103-114.	1.2	2
50	Active <i>phoD</i> -harboring bacteria are enriched by long-term organic fertilization. <i>Soil Biology and Biochemistry</i> , 2021, 152, 108071.	4.2	27
51	Effects of different long-term cropping systems on <i>phoD</i> -harboring bacterial community in red soils. <i>Journal of Soils and Sediments</i> , 2021, 21, 376-387.	1.5	12
52	Soil alkaline phosphatase activity and bacterial <i>phoD</i> gene abundance and diversity under regimes of inorganic fertilizer reduction with straw. <i>Journal of Soils and Sediments</i> , 2021, 21, 388-402.	1.5	12
53	Crop residue application at low rates could improve soil phosphorus cycling under long-term no-tillage management. <i>Biology and Fertility of Soils</i> , 2021, 57, 499-511.	2.3	10
55	Distribution Characteristics of <i>phoD</i> -Harboring Bacterial Community Structure and Its Roles in Phosphorus Transformation in Steppe Soils in Northern China. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 1531-1541.	1.7	14

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56	Production of a novel slow-release coal fly ash microbial fertilizer for restoration of mine vegetation. <i>Waste Management</i> , 2021, 124, 185-194.	3.7	12
57	Changes in soil phosphorus availability and associated microbial properties after chicken farming in Lei bamboo (<i>Phyllostachys praecox</i>) forest ecosystems. <i>Land Degradation and Development</i> , 2021, 32, 3008-3022.	1.8	13
58	Drainage class and soil phosphorus availability shape microbial communities in Irish grasslands. <i>European Journal of Soil Biology</i> , 2021, 104, 103297.	1.4	11
59	Changes of acid and alkaline phosphatase activities in long-term chemical fertilization are driven by the similar soil properties and associated microbial community composition in acidic soil. <i>European Journal of Soil Biology</i> , 2021, 104, 103312.	1.4	27
60	Effects of continuous cucumber cropping on crop quality and soil fungal community. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 436.	1.3	16
61	Biochar application under low phosphorus input promotes soil organic phosphorus mineralization by shifting bacterial <i>phoD</i> gene community composition. <i>Science of the Total Environment</i> , 2021, 779, 146556.	3.9	51
62	Responses of crop yields, soil enzymatic activities, and microbial communities to different long-term organic materials applied with chemical fertilizer in purple soil. <i>European Journal of Soil Biology</i> , 2021, 105, 103319.	1.4	8
63	Profiles and interrelationships of functional soil microbiomes involved in phosphorus cycling in diversified agricultural land-use systems. <i>Food and Energy Security</i> , 2021, 10, e315.	2.0	2
64	Local community assembly processes shape α -diversity of soil <i>phoD</i> -harbouring communities in the Northern Hemisphere steppes. <i>Global Ecology and Biogeography</i> , 2021, 30, 2273-2285.	2.7	19
65	Variations in soil properties rather than functional gene abundances dominate soil phosphorus dynamics under short-term nitrogen input. <i>Plant and Soil</i> , 2021, 469, 227-241.	1.8	14
66	Phosphate-Solubilizing Bacterium <i>Acinetobacter pittii</i> gp-1 Affects Rhizosphere Bacterial Community to Alleviate Soil Phosphorus Limitation for Growth of Soybean (<i>Glycine max</i>). <i>Frontiers in Microbiology</i> , 2021, 12, 737116.	1.5	19
67	Organic phosphorus availability shapes the diversity of <i>phoD</i> -harboring bacteria in agricultural soil. <i>Soil Biology and Biochemistry</i> , 2021, 161, 108364.	4.2	38
68	Linking rare and abundant <i>phoD</i> -harboring bacteria with ecosystem multifunctionality in subtropical forests: From community diversity to environmental adaptation. <i>Science of the Total Environment</i> , 2021, 796, 148943.	3.9	12
69	Phosphatase activity and acidification in lupine and maize rhizosphere depend on phosphorus availability and root properties: Coupling zymography with planar optodes. <i>Applied Soil Ecology</i> , 2021, 167, 104029.	2.1	39
70	Adaptation of <i>phoD</i> -harboring bacteria to broader environmental gradients at high elevations than at low elevations in the Shennongjia primeval forest. <i>Geoderma</i> , 2021, 401, 115210.	2.3	15
71	Linking changes in the soil microbial community to C and N dynamics during crop residue decomposition. <i>Journal of Integrative Agriculture</i> , 2021, 20, 3039-3059.	1.7	12
72	Benefits of phosphate solubilizing bacteria on belowground crop performance for improved crop acquisition of phosphorus. <i>Microbiological Research</i> , 2021, 252, 126842.	2.5	65
73	Alkaline phosphatase activity mediates soil organic phosphorus mineralization in a subalpine forest ecosystem. <i>Geoderma</i> , 2021, 404, 115376.	2.3	60

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74	Suppressed phosphorus-mineralizing bacteria after three decades of fertilization. <i>Agriculture, Ecosystems and Environment</i> , 2022, 323, 107679.	2.5	15
75	Deciphering the diversity and functions of plastosphere bacterial communities in plastic-mulching croplands of subtropical China. <i>Journal of Hazardous Materials</i> , 2022, 422, 126865.	6.5	55
76	Soil Microbial Composition and phoD Gene Abundance Are Sensitive to Phosphorus Level in a Long-Term Wheat-Maize Crop System. <i>Frontiers in Microbiology</i> , 2020, 11, 605955.	1.5	17
77	High-yield grass <i>Pennisetum sinense</i> Roxb plantation and organic manure alter bacterial and fungal communities structure in an ecological agriculture farm. <i>AMB Express</i> , 2020, 10, 86.	1.4	10
78	How dam construction affects the activity of alkaline phosphatases in reservoir sediments: A study of two highly regulated rivers. <i>Environmental Research</i> , 2022, 207, 112236.	3.7	6
79	Labile carbon facilitated phosphorus solubilization as regulated by bacterial and fungal communities in <i>Zea mays</i> . <i>Soil Biology and Biochemistry</i> , 2021, 163, 108465.	4.2	35
80	Spatial and temporal distribution of alkaline phosphatase encoding genes in suspended particulates in Lake Taihu. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2019, 31, 1368-1378.	0.3	1
81	Carbon Footprint in Eroded Soils and Its Impact on Soil Health. , 2020, , 1-30.		2
82	The importance of rare versus abundant phoD-harboring subcommunities in driving soil alkaline phosphatase activity and available P content in Chinese steppe ecosystems. <i>Soil Biology and Biochemistry</i> , 2022, 164, 108491.	4.2	32
83	Systematic Review of Dairy Processing Sludge and Secondary STRUBIAS Products Used in Agriculture. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	10
84	Organic fertilization promotes crop productivity through changes in soil aggregation. <i>Soil Biology and Biochemistry</i> , 2022, 165, 108533.	4.2	68
85	Stoichiometric imbalances and the dynamics of phosphatase activity and the abundance of phoC and phoD genes with the development of <i>Cunninghamia lanceolata</i> (Lamb.) Hook plantations. <i>Applied Soil Ecology</i> , 2022, 173, 104373.	2.1	6
86	Long-term rice cultivation promoted microbial mineralization of organic P in a black soil. <i>Soil Science Society of America Journal</i> , 2022, 86, 540-551.	1.2	5
87	Interactions between phosphorus availability and microbes in a wheat-maize double cropping system: A reduced fertilization scheme. <i>Journal of Integrative Agriculture</i> , 2022, 21, 840-854.	1.7	12
88	Long-term fertilization lowers the alkaline phosphatase activity by impacting the phoD-harboring bacterial community in rice-winter wheat rotation system. <i>Science of the Total Environment</i> , 2022, 821, 153406.	3.9	15
89	Effect of CeO ₂ nanoparticles on plant growth and soil microcosm in a soil-plant interactive system. <i>Environmental Pollution</i> , 2022, 300, 118938.	3.7	15
90	Dynamics of phoD- and gcd-Harboring Microbial Communities Across an Age Sequence of Biological Soil Crusts Under Sand-Fixation Plantation. <i>Frontiers in Microbiology</i> , 2022, 13, 831888.	1.5	1
91	Straw retention combined with phosphorus fertilizer promotes soil phosphorus availability by enhancing soil P-related enzymes and the abundance of phoC and phoD genes. <i>Soil and Tillage Research</i> , 2022, 220, 105390.	2.6	34

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92	Sand-fixation plantation type affects soil phosphorus transformation microbial community in a revegetation area of Horqin Sandy Land, Northeast China. <i>Ecological Engineering</i> , 2022, 180, 106644.	1.6	8
93	Animal manures promoted soil phosphorus transformation via affecting soil microbial community in paddy soil. <i>Science of the Total Environment</i> , 2022, 831, 154917.	3.9	19
94	Interaction Between Halotolerant Phosphate-Solubilizing Bacteria (Providencia rettgeri Strain TPM23) and Rock Phosphate Improves Soil Biochemical Properties and Peanut Growth in Saline Soil. <i>Frontiers in Microbiology</i> , 2021, 12, 777351.	1.5	3
95	Soil Microbial Community Succession Based on PhoD and Gcd Genes along a Chronosequence of Sand-Fixation Forest. <i>Forests</i> , 2021, 12, 1707.	0.9	4
96	Organic amendment plus inoculum drivers: Who drives more P nutrition for wheat plant fitness in small duration soil experiment. <i>PLoS ONE</i> , 2022, 17, e0266279.	1.1	2
97	The effectiveness of reed-biochar in mitigating phosphorus losses and enhancing microbially-driven phosphorus dynamics in paddy soil. <i>Journal of Environmental Management</i> , 2022, 314, 115087.	3.8	13
126	Distribution of Culturable Phosphate-Solubilizing Bacteria in Soil Aggregates and Their Potential for Phosphorus Acquisition. <i>Microbiology Spectrum</i> , 2022, 10, e0029022.	1.2	13
127	Plant phosphorus demand stimulates rhizosphere phosphorus transition by root exudates and mycorrhizal fungi under different grazing intensities. <i>Geoderma</i> , 2022, 423, 115964.	2.3	9
128	Using eDNA to Identify the Dynamic Evolution of Multi-Trophic Communities Under the Eco-Hydrological Changes in River. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	4
129	Long-Term Manure Application Improves Soil Health and Stabilizes Carbon in Continuous Maize Production System. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
130	Deciphering the Mechanisms Shaping the Plastisphere Microbiota in Soil. <i>MSystems</i> , 2022, 7, .	1.7	37
131	Influence of Lonicera japonica and Radix Puerariae Crude Extracts on the Fecal Microbiome and Nutrient Apparent Digestibility of Finishing Pigs. <i>Animals</i> , 2022, 12, 2109.	1.0	1
132	Soil antibiotic abatement associates with the manipulation of soil microbiome via long-term fertilizer application. <i>Journal of Hazardous Materials</i> , 2022, 439, 129704.	6.5	11
133	Spatiotemporal distributions and relationships of phosphorus content, phosphomonoesterase activity, and bacterial phosphomonoesterase genes in sediments from a eutrophic brackish water lake in Chile. <i>Journal of Environmental Management</i> , 2022, 320, 115906.	3.8	7
134	Intercropping-driven nitrogen trade-off enhances maize productivity in a long-term experiment. <i>Field Crops Research</i> , 2022, 287, 108671.	2.3	15
135	Changes in rhizosphere phosphorus fractions and phosphate-mineralizing microbial populations in acid soil as influenced by organic acid exudation. <i>Soil and Tillage Research</i> , 2023, 225, 105543.	2.6	16
136	Rice straw incorporation mobilizes inorganic soil phosphorus by reorienting hysteresis effect under varying hydrothermal regimes in a humid tropical Inceptisol. <i>Soil and Tillage Research</i> , 2023, 225, 105531.	2.6	5
137	Long-term partial substitution of chemical fertilizer by organic amendments influences soil microbial functional diversity of phosphorus cycling and improves phosphorus availability in greenhouse vegetable production. <i>Agriculture, Ecosystems and Environment</i> , 2023, 341, 108193.	2.5	17

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138	Fe-modified biochar combined with mineral fertilization promotes soil organic phosphorus mineralization by shifting the diversity of phoD-harboring bacteria within soil aggregates in saline-alkaline paddy soil. <i>Journal of Soils and Sediments</i> , 2023, 23, 619-633.	1.5	7
140	Crop types and irrigation regimes as drivers of plastsphere bacterial communities in plastic-mulching croplands of subtropical China. <i>Applied Soil Ecology</i> , 2023, 182, 104696.	2.1	2
141	Long-term high-P fertilizer input shifts soil P cycle genes and microorganism communities in dryland wheat production systems. <i>Agriculture, Ecosystems and Environment</i> , 2023, 342, 108226.	2.5	17
142	Effects of cyanobacterial growth and decline on the <i>phoD</i>-harboring bacterial community structure in sediments of Lake Chaohu. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2022, 34, 1854-1865.	0.3	0
143	Biochar reduces bioavailability of phosphorus during swine manure composting: Roles of phoD-harboring bacterial community. <i>Science of the Total Environment</i> , 2023, 858, 159926.	3.9	13
144	Differential factors determine the response of soil P fractions to N deposition in wet and dry seasons in a subtropical Moso bamboo forest. <i>Plant and Soil</i> , 0, , .	1.8	2
145	Changes in Wheat Rhizosphere Carbon Pools in Response to Nitrogen and Straw Incorporation. <i>Agronomy</i> , 2022, 12, 2774.	1.3	1
146	Community succession of microbial populations related to C N P S biological transformations regulates product maturity during cow-manure-driven composting. <i>Bioresource Technology</i> , 2023, 369, 128493.	4.8	6
147	phoD-harboring bacterial community composition dominates organic P mineralization under long-term P fertilization in acid purple soil. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
148	Changes in soil properties and the phoD-harboring bacteria of the alfalfa field in response to phosphite treatment. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
149	Soil structure and microbiome functions in agroecosystems. <i>Nature Reviews Earth & Environment</i> , 2023, 4, 4-18.	12.2	151
150	Effects of Lake Sediment on Soil Properties, Crop Growth, and the phoD-Harboring Microbial Community. <i>Agriculture (Switzerland)</i> , 2022, 12, 2065.	1.4	2
151	Organic fertilizer made from food waste improves nitrogen mineralization by altering aggregate-associated microbial biomass and enzyme activities in Chinese paddy soil. <i>Journal of Soils and Sediments</i> , 2023, 23, 1156-1168.	1.5	3
152	Community metagenomics reveals the processes of nutrient cycling regulated by microbial functions in soils with P fertilizer input. <i>Plant and Soil</i> , 0, , .	1.8	4
153	Divergent responses of phoD- and pqqC-harboring bacterial communities across soil aggregates to long fertilization practices. <i>Soil and Tillage Research</i> , 2023, 228, 105634.	2.6	9
154	PhoD Harboring Microbial Community and Alkaline Phosphatase as Affected by Long Term Fertilization Regimes on a Calcareous Soil. <i>Agronomy</i> , 2023, 13, 363.	1.3	3
155	Biochar amendments combined with organic fertilizer improve maize productivity and mitigate nutrient loss by regulating the C&N&P stoichiometry of soil, microbiome, and enzymes. <i>Chemosphere</i> , 2023, 324, 138293.	4.2	8
156	Soil organic carbon stability mediate soil phosphorus in greenhouse vegetable soil by shifting phoD-harboring bacterial communities and keystone taxa. <i>Science of the Total Environment</i> , 2023, 873, 162400.	3.9	5

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157	Spatio-temporal dynamic diversity of bacterial alkaline phosphatase phoD gene and its environmental drivers in sediments during algal blooms: A case study of shallow Lake Taihu. <i>Journal of Environmental Management</i> , 2023, 336, 117595.	3.8	2
158	Differences in available phosphorus in temperate and subtropical forest soils. <i>Applied Soil Ecology</i> , 2023, 187, 104849.	2.1	0
159	Long-term manure application improves soil health and stabilizes carbon in continuous maize production system. <i>Geoderma</i> , 2023, 430, 116338.	2.3	12
160	Effects of phosphorus application on soil phosphorus forms and phoD-harboring microbial communities in an alpine grassland on the Qinghai-Tibetan Plateau. <i>Frontiers in Ecology and Evolution</i> , 0, 11, .	1.1	2
161	Soil Phosphorus Dynamics and P Uptake by Medicinal Crops as Influenced by Locally Available Organic Amendments in Light-Textured Soil of Semi-arid Western India. <i>Journal of Soil Science and Plant Nutrition</i> , 2023, 23, 2190-2201.	1.7	2
162	The spatio-temporal distribution of alkaline phosphatase activity and phoD gene abundance and diversity in sediment of Sancha Lake. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
163	Organic Farming Favors phoD-Harboring Rhizospheric Bacterial Community and Alkaline Phosphatase Activity in Tropical Agroecosystem. <i>Plants</i> , 2023, 12, 1068.	1.6	3
164	Phod-harboring bacterial communities mediated slow and fast phosphorus transformation in alkaline soil of a Robinia pseudoacacia afforestation chronosequence. <i>Plant and Soil</i> , 2023, 488, 517-532.	1.8	2
165	Proper Delay of Phosphorus Application Promotes Wheat Growth and Nutrient Uptake under Low Phosphorus Condition. <i>Agriculture (Switzerland)</i> , 2023, 13, 884.	1.4	1