Sediment amendment with PhoslockÂ® in Clatto Reser changes in sediment elemental composition and phospl

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Citation Report

#	Article	IF	Citations
1	Biomanipulation as a Restoration Tool to Combat Eutrophication. Advances in Ecological Research, 2012, 47, 411-488.	1.4	211
2	Nitrogen reduction in a eutrophic river canal using bioactive multilayer capping (BMC) with biozeolite and sand. Journal of Soils and Sediments, 2013, 13, 1309-1317.	1.5	13
3	Comparison of phosphorus (P) removal properties of materials proposed for the control of sediment p release in UK lakes. Science of the Total Environment, 2013, 442, 103-110.	3.9	94
4	Case study on the efficacy of a lanthanum-enriched clay (PhoslockÂ®) in controlling eutrophication in Lake Het Groene Eiland (The Netherlands). Hydrobiologia, 2013, 710, 253-263.	1.0	57
5	Assessing the mode of action of PhoslockÂ® in the control of phosphorus release from the bed sediments in a shallow lake (Loch Flemington, UK). Water Research, 2013, 47, 4460-4473.	5.3	128
6	Lake responses following lanthanum-modified bentonite clay (PhoslockÂ®) application: An analysis of water column lanthanum data from 16 case study lakes. Water Research, 2013, 47, 5930-5942.	5.3	135
7	Phosphorus Legacy: Overcoming the Effects of Past Management Practices to Mitigate Future Water Quality Impairment. Journal of Environmental Quality, 2013, 42, 1308-1326.	1.0	706
8	Effects of pretreatment on the sequential phosphorus fractionation of anaerobic sediment. Journal of Limnology, 2014, 73, .	0.3	0
9	Effects of pretreatment on the sequential phosphorus fractionation of anaerobic sediment. Journal of Limnology, 2014, 73, .	0.3	5
10	Assessing the responses of aquatic macrophytes to the application of a lanthanum modified bentonite clay, at Loch Flemington, Scotland, UK. Hydrobiologia, 2014, 737, 309-320.	1.0	18
11	Restoration of eutrophic freshwater by managing internal nutrient loads. A review. Science of the Total Environment, 2014, 496, 551-562.	3.9	271
12	Adsorption of phosphate from water on lake sediments amended with zirconium-modified zeolites in batch mode. Ecological Engineering, 2014, 71, 223-233.	1.6	80
13	Operational Evaluation of Phoslock Phosphorus Locking Technology in Laguna Niguel Lake, California. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	44
14	Green synthesis of a novel hybrid sorbent of zeolite/lanthanum hydroxide and its application in the removal and recovery of phosphate from water. Journal of Colloid and Interface Science, 2014, 423, 13-19.	5.0	141
15	The sustainable restoration of lakesâ€"towards the challenges of the Water Framework Directive. Ecohydrology and Hydrobiology, 2014, 14, 68-74.	1.0	68
16	Humic substances interfere with phosphate removal by lanthanum modified clay in controlling eutrophication. Water Research, 2014, 54, 78-88.	5.3	180
17	Geoengineering in lakes: welcome attraction or fatal distraction?. Inland Waters, 2014, 4, 349-356.	1.1	76
18	Assessment of PhoslockÂ® Âapplication in a tropical eutrophic reservoir: An integrated evaluation from laboratory to field experiments. Environmental Technology and Innovation, 2015, 4, 194-205.	3.0	24

#	Article	IF	Citations
19	Forms of Nutrients in Rivers Flowing into Lake Chaohu: A Comparison between Urban and Rural Rivers. Water (Switzerland), 2015, 7, 4523-4536.	1.2	25
20	Reduction of sediment internal P-loading from eutrophic lakes using thermally modified calcium-rich attapulgite-based thin-layer cap. Journal of Environmental Management, 2015, 151, 178-185.	3.8	81
21	Immobilization of phosphorus from water and sediment using zirconium-modified zeolites. Environmental Science and Pollution Research, 2015, 22, 3606-3619.	2.7	62
22	Harmful Algal Blooms. , 2015, , 873-920.		62
23	Simultaneous Removal of Harmful Algal Blooms and Microcystins Using Microorganism- and Chitosan-Modified Local Soil. Environmental Science & Technology, 2015, 49, 6249-6256.	4.6	72
24	Characterization of Phosphate Sequestration by a Lanthanum Modified Bentonite Clay: A Solid-State NMR, EXAFS, and PXRD Study. Environmental Science & Technology, 2015, 49, 4559-4566.	4.6	113
25	Effectiveness and Mode of Action of Calcium Nitrate and PhoslockÂ® in Phosphorus Control in Contaminated Sediment, a Microcosm Study. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	24
26	Phosphate removal from water by a novel zeolite/lanthanum hydroxide hybrid material prepared from coal fly ash. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 1298-1305.	0.9	32
27	Spatial and seasonal changes of phosphorus internal loading in two lakes with different trophy. Ecological Engineering, 2015, 74, 187-195.	1.6	33
28	Algal Blooms. , 2016, , 5-43.		5
29	Powdered Caâ€activated zeolite for phosphate removal from treated wasteâ€water. Journal of Chemical Technology and Biotechnology, 2016, 91, 1962-1971.	1.6	53
30	Assessing the impacts of phosphorus inactive clay on phosphorus release control and phytoplankton community structure in eutrophic lakes. Environmental Pollution, 2016, 219, 620-630.	3.7	19
31	Nitrogen reduction using bioreactive thin-layer capping (BTC) with biozeolite: A field experiment in a eutrophic river. Journal of Environmental Sciences, 2016, 42, 119-125.	3.2	20
32	Simultaneous Microcystis Algicidal and Microcystin Degrading Capability by a Single Acinetobacter Bacterial Strain. Environmental Science & Technology, 2016, 50, 11903-11911.	4.6	61
33	TiO 2 nanoparticles for the remediation of eutrophic shallow freshwater systems: Efficiency and impacts on aquatic biota under a microcosm experiment. Aquatic Toxicology, 2016, 178, 58-71.	1.9	20
34	Influence of sediment resuspension on the efficacy of geoengineering materials in the control of internal phosphorous loading from shallow eutrophic lakes. Environmental Pollution, 2016, 219, 568-579.	3.7	55
35	Evaluation of sediment amendment with zirconium-reacted bentonite to control phosphorus release. Environmental Earth Sciences, 2016, 75, 1.	1.3	29
36	Chemicals used forin situimmobilization to reduce the internal phosphorus loading from lake sediments for eutrophication control. Critical Reviews in Environmental Science and Technology, 2016, 46, 947-997.	6.6	90

#	Article	IF	Citations
37	Controlling cyanobacterial blooms through effective flocculation and sedimentation with combined use of flocculants and phosphorus adsorbing natural soil and modified clay. Water Research, 2016, 97, 26-38.	5.3	102
38	Management of eutrophication in Lake De Kuil (The Netherlands) using combined flocculant â€“ Lanthanum modified bentonite treatment. Water Research, 2016, 97, 83-95.	5.3	100
39	Responses in sediment phosphorus and lanthanum concentrations and composition across 10 lakes following applications of lanthanum modified bentonite. Water Research, 2016, 97, 101-110.	5.3	70
40	Trophic state decrease after lanthanum-modified bentonite (Phoslock) application to a hyper-eutrophic polymictic urban lake frequented by Canada geese (Branta canadensis). Lake and Reservoir Management, 2016, 32, 74-88.	0.4	21
41	Remediation of Nitrogen-Contaminated Sediment Using Bioreactive, Thin-layer Capping with Biozeolite. Soil and Sediment Contamination, 2016, 25, 89-100.	1.1	8
42	Magnetic microparticles as a new tool for lake restoration: A microcosm experiment for evaluating the impact on phosphorus fluxes and sedimentary phosphorus pools. Water Research, 2016, 89, 366-374.	5.3	65
43	Synthesis of zeolite/hydrous lanthanum oxide composite from coal fly ash for efficient phosphate removal from lake water. Microporous and Mesoporous Materials, 2016, 222, 226-234.	2.2	56
44	Attempted management of cyanobacteria by Phoslock (lanthanum-modified clay) in Canadian lakes: water quality results and predictions. Lake and Reservoir Management, 2017, 33, 163-170.	0.4	12
45	Evaluation of zeolite/hydrous aluminum oxide as a sediment capping agent to reduce nutrients level in a pond. Ecological Engineering, 2017, 101, 170-178.	1.6	26
46	Static layer: A key to immobilization of phosphorus in sediments amended with lanthanum modified bentonite (PhoslockÂ®). Chemical Engineering Journal, 2017, 325, 49-58.	6.6	81
47	Recovery of nutrients (N-P-K) from potassium-rich sludge anaerobic digestion side-streams by integration of a hybrid sorption-membrane ultrafiltration process: Use of powder reactive sorbents as nutrient carriers. Science of the Total Environment, 2017, 599-600, 422-430.	3.9	20
48	Application of zeolite/hydrous zirconia composite as a novel sediment capping material to immobilize phosphorus. Water Research, 2017, 123, 1-11.	5.3	65
49	Effect of calcium silicate hydrates (CSH) on phosphorus immobilization and speciation in shallow lake sediment. Chemical Engineering Journal, 2017, 317, 844-853.	6.6	56
50	La(III) coagulated graphene oxide for phosphate binding: mechanism and behaviour. International Journal of Environmental Studies, 2017, 74, 586-602.	0.7	7
51	Preface: Advances in phosphorus inactivation. Lake and Reservoir Management, 2017, 33, 103-107.	0.4	10
52	Interactions of riverine suspended particulate matter with phosphorus inactivation agents across sediment-water interface and the implications for eutrophic lake restoration. Chemical Engineering Journal, 2017, 327, 150-161.	6.6	38
53	Control of internal phosphorus loading in eutrophic lakes using lanthanum-modified zeolite. Chemical Engineering Journal, 2017, 327, 505-513.	6.6	46
54	Biosorbent, a promising material for remediation of eutrophic environments: studies in microcosm. Environmental Science and Pollution Research, 2017, 24, 2685-2696.	2.7	4

#	Article	IF	Citations
55	Chemical treatment of contaminated sediment for phosphorus control and subsequent effects on ammonia-oxidizing and ammonia-denitrifying microorganisms and on submerged macrophyte revegetation. Environmental Science and Pollution Research, 2017, 24, 1007-1018.	2.7	28
56	Bioavailable phosphorus (P) reduction is less than mobile P immobilization in lake sediment for eutrophication control by inactivating agents. Water Research, 2017, 109, 196-206.	5.3	81
57	Effects of Dredging and Lanthanum-Modified Clay on Water Quality Variables in an Enclosure Study in a Hypertrophic Pond. Water (Switzerland), 2017, 9, 380.	1.2	11
58	Synergistic adsorption of phosphorus by iron in lanthanum modified bentonite (PhoslockÂ®): New insight into sediment phosphorus immobilization. Water Research, 2018, 134, 32-43.	5.3	98
59	Assessment of possible solid-phase phosphate sorbents to mitigate eutrophication: Influence of pH and anoxia. Science of the Total Environment, 2018, 619-620, 1431-1440.	3.9	40
60	Effect of calcium silicate hydrates coupled with Myriophyllum spicatum on phosphorus release and immobilization in shallow lake sediment. Chemical Engineering Journal, 2018, 331, 462-470.	6.6	30
61	Reactivation of phosphorus in sediments after calcium-rich mineral capping: Implication for revising the laboratory testing scheme for immobilization efficiency. Chemical Engineering Journal, 2018, 331, 720-728.	6.6	23
62	Influence of PhoslockÂ® on legacy phosphorus, nutrient ratios, and algal assemblage composition in hypereutrophic water resources. Environmental Science and Pollution Research, 2018, 25, 4544-4557.	2.7	25
63	Flocculants and Sediment Capping for Phosphorus Management. , 2018, , 207-265.		1
64	Determining major factors controlling phosphorus removal by promising adsorbents used for lake restoration: A linear mixed model approach. Water Research, 2018, 141, 377-386.	5.3	25
65	Management of nitrogen and phosphorus internal loading from polluted river sediment using PhoslockÂ® and modified zeolite with intensive tubificid oligochaetes bioturbation. Chemical Engineering Journal, 2018, 353, 46-55.	6.6	54
66	Review of metal (hydr)oxide and other adsorptive materials for phosphate removal from water. Journal of Environmental Chemical Engineering, 2018, 6, 5269-5286.	3.3	189
67	Effect of zirconium-modified zeolite addition on phosphorus mobilization in sediments. Science of the Total Environment, 2019, 646, 144-157.	3.9	52
68	Simultaneous control of nitrogen and phosphorus release from sediments using iron-modified zeolite as capping and amendment materials. Journal of Environmental Management, 2019, 249, 109369.	3.8	46
69	Combined use of calcium nitrate addition and anion exchange resin capping to control sedimentary phosphorus release and its nitrateâ€'nitrogen releasing risk. Science of the Total Environment, 2019, 689, 203-214.	3.9	16
70	Immobilization and Release Behavior of Phosphorus on Phoslock-Inactivated Sediment under Conditions Simulating the Photic Zone in Eutrophic Shallow Lakes. Environmental Science & Technology, 2019, 53, 12449-12457.	4.6	31
71	Potential Alternative Reuse Pathways for Water Treatment Residuals: Remaining Barriers and Questionsâ€"a Review. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	89
72	P immobilizing materials for lake internal loading control: A review towards future developments. Critical Reviews in Environmental Science and Technology, 2019, 49, 518-552.	6.6	25

#	Article	IF	Citations
73	Ecotoxicity screening of novel phosphorus adsorbents used for lake restoration. Chemosphere, 2019, 222, 469-478.	4.2	10
74	Immobilization of mobile and bioavailable phosphorus in sediments using lanthanum hydroxide and magnetite/lanthanum hydroxide composite as amendments. Science of the Total Environment, 2019, 687, 232-243.	3.9	32
75	Internal phosphorus loading as the response to complete and then limited sustainable restoration of a shallow lake. Annales De Limnologie, 2019, 55, 4.	0.6	8
76	Portuguese shallow eutrophic lakes: evaluation under the Water Framework Directive and possible physicochemical restoration measures. Euro-Mediterranean Journal for Environmental Integration, 2019, 4, 1.	0.6	5
77	Inactivation of phosphorus in the sediment of the Lake Taihu by lanthanum modified zeolite using laboratory studies. Environmental Pollution, 2019, 247, 9-17.	3.7	56
78	Assessment of sediment capping with zirconium-modified bentonite to intercept phosphorus release from sediments. Environmental Science and Pollution Research, 2019, 26, 3501-3516.	2.7	18
79	Use of lanthanum for water treatment A matter of concern?. Chemosphere, 2020, 239, 124780.	4.2	32
80	Interception of sediment-liberated phosphate in a surface aquatic system for eutrophication control. Water Science and Technology: Water Supply, 2020, 20, 197-208.	1.0	6
81	Utilization of zirconium-modified granular zeolite as capping and mixing materials to suppress phosphorus release from sediment in landscape water body. Environmental Earth Sciences, 2020, 79, 1.	1.3	6
82	Assessing the suitability of solid aggregates for nutrient recovery from aqua systems. Journal of Water Process Engineering, 2020, 33, 101000.	2.6	14
83	Assessment of iron-modified calcite/zeolite mixture as a capping material to control sedimentary phosphorus and nitrogen liberation. Environmental Science and Pollution Research, 2020, 27, 3962-3978.	2.7	9
84	Impact of application mode on the control of phosphorus release from sediments using zirconium-modified bentonite as geo-engineering material. Science of the Total Environment, 2020, 712, 135633.	3.9	17
85	Lanthanum in Water, Sediment, Macrophytes and chironomid larvae following application of Lanthanum modified bentonite to lake Rauwbraken (The Netherlands). Science of the Total Environment, 2020, 706, 135188.	3.9	32
87	Novel, recyclable active capping systems using fabric-wrapped zirconium-modified magnetite/bentonite composite for sedimentary phosphorus release control. Science of the Total Environment, 2020, 727, 138633.	3.9	19
88	Interception of phosphorus release from sediments using Mg/Fe-based layered double hydroxide (MF-LDH) and MF-LDH coated magnetite as geo-engineering tools. Science of the Total Environment, 2020, 739, 139749.	3.9	24
89	Novel Composite Materials for Lake Restoration: A New Approach Impacting on Ecology and Circular Economy. Sustainability, 2020, 12, 3397.	1.6	34
90	Synthesis and evaluation of zirconia/magnetite/zeolite composite for controlling phosphorus release from sediment: A laboratory study. Ecological Engineering, 2020, 151, 105874.	1.6	7
91	Combining artificial aeration and biological zeolite mulch for nitrogen removal from eutrophic water bodies. Water Practice and Technology, 2020, 15, 151-159.	1.0	3

#	Article	IF	Citations
92	The effect of microenvironment in the sediment on phosphorus immobilization under capping with ACPM and PhoslockÂ®. Environmental Science and Pollution Research, 2020, 27, 15440-15453.	2.7	9
93	Using Aeration to Enhance Phosphorus Adsorption and Immobilization by the Sediment and LMB. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	3
94	Combined use of calcium nitrate, zeolite, and anion exchange resin for controlling phosphorus and nitrogen release from sediment and for overcoming disadvantage of calcium nitrate addition technology. Environmental Science and Pollution Research, 2020, 27, 24863-24878.	2.7	5
95	Sediment phosphorus release sustains nuisance periphyton growth when nitrogen is not limiting. Journal of Limnology, 2020, 79, .	0.3	2
96	Assessing the toxic effects of magnetic particles used for lake restoration on phytoplankton: A community-based approach. Ecotoxicology and Environmental Safety, 2021, 207, 111288.	2.9	4
97	Contrasting effects and mode of dredging and in situ adsorbent amendment for the control of sediment internal phosphorus loading in eutrophic lakes. Water Research, 2021, 189, 116644.	5.3	58
98	New application of lanthanum-modified bentonite (PhoslockÂ®) for immobilization of arsenic in sediments. Environmental Science and Pollution Research, 2021, 28, 2052-2062.	2.7	8
99	Suppression of phosphorus release from sediment using lanthanum carbonate as amendment. Environmental Science and Pollution Research, 2021, 28, 3280-3295.	2.7	9
100	Chemical Lake Restoration Methods: From Alum to Innovative Composite Materials. , 2021, , 101-143.		0
101	Effect of juvenile omni-benthivorous fish (Carassius carassius) disturbance on the efficiency of lanthanum-modified bentonite (LMB) for eutrophication control: a mesocosm study. Environmental Science and Pollution Research, 2021, 28, 21779-21788.	2.7	4
102	Sediment phosphorus fractionation and flux in a tropical shallow lake. Acta Limnologica Brasiliensia, 0, 33, .	0.4	4
103	Non-invasive Removal of Phosphorus from Lakes Using Processed Calcite-Based Materials. , 2021, , 145-170.		1
104	Effect of addition of lanthanum-modified bentonite(Phoslock®) in sediments on growth of <i>Hydrilla verticillata</i> under different water nutrient concentration. Hupo Kexue/Journal of Lake Sciences, 2021, 33, 388-396.	0.3	2
105	The use of modified coal gangue for the remediation and removal of phosphorus in an enclosed water area. Clean Technologies and Environmental Policy, 2021, 23, 1327-1339.	2.1	6
106	Biogeochemistry of Mediterranean Wetlands: A Review about the Effects of Water-Level Fluctuations on Phosphorus Cycling and Greenhouse Gas Emissions. Water (Switzerland), 2021, 13, 1510.	1.2	16
107	Effects of bentonite on the growth process of submerged macrophytes and sediment microenvironment. Journal of Environmental Management, 2021, 287, 112308.	3.8	17
108	In situ control of internal nutrient loading and fluxes in the confluence area of an eutrophic lake with combined P inactivation agents and modified zeolite. Science of the Total Environment, 2021, 775, 145745.	3.9	18
109	Effects of Lanthanum Modified Bentonite and Polyaluminium Chloride on the Environmental Variables in the Water and Sediment Phosphorus Form in Lake Yanglan, China. Water (Switzerland), 2021, 13, 1947.	1.2	4

#	Article	IF	Citations
110	Effects of Sediments Phosphorus Inactivation on the Life Strategies of Myriophyllum spicatum: Implications for Lake Restoration. Water (Switzerland), 2021, 13, 2112.	1.2	3
111	Investigation of the combined use of capping and oxidizing agents in the immobilization of arsenic in sediments. Science of the Total Environment, 2021, 782, 146930.	3.9	10
112	Phosphorus Binding by Lanthanum Modified Pyroaurite-like Clay: Performance and Mechanisms. ACS ES&T Engineering, 2021, 1, 1565-1575.	3.7	19
113	Feasibility of using Mg/Al-based layered double hydroxides as an inactivating agent to interrupt phosphorus release from contaminated agricultural drainage ditch sediments. Ecotoxicology and Environmental Safety, 2021, 223, 112599.	2.9	3
114	Simultaneous adsorption of phosphate and zinc by lanthanum modified zeolite. Environmental Technology and Innovation, 2021, 24, 101906.	3.0	19
115	Effectiveness and mechanism of aluminum/iron co-modified calcite capping and amendment for controlling phosphorus release from sediments. Journal of Environmental Management, 2021, 298, 113471.	3.8	14
116	Contrasting effect of lanthanum hydroxide and lanthanum carbonate treatments on phosphorus mobilization in sediment. Chemical Engineering Journal, 2022, 427, 132021.	6.6	38
117	Efficiency and mechanism for the control of phosphorus release from sediment by the combined use of hydrous ferric oxide, calcite and zeolite as a geo-engineering tool. Chemical Engineering Journal, 2022, 428, 131360.	6.6	15
118	Rare Earth Elements and Microorganisms. , 2016, , 139-154.		1
119	Effects of Lanthanum modified bentonite on the water phosphorus concentration and sediment phosphorus form in a shallow eutrophic lake. Hupo Kexue/Journal of Lake Sciences, 2019, 31, 1219-1228.	0.3	1
120	Advances in researches on phosphorus immobilization by lanthanum modified bentonite in lakes and its ecological risk. Hupo Kexue/Journal of Lake Sciences, 2019, 31, 1499-1509.	0.3	4
121	Contrasting effect of zirconium-, iron-, and zirconium/iron-modified attapulgites capping and amendment on phosphorus mobilization in sediment. Environmental Science and Pollution Research, 2022, 29, 18508-18526.	2.7	12
122	Biozeolite thin-layer capping for reducing the phosphorus load in eutrophic water body. Hupo Kexue/Journal of Lake Sciences, 2016, 28, 726-733.	0.3	1
123	Thin-layer capping with biozeolite for nitrogen load reduction in the water-supply source reservoirs, subtropical China. Hupo Kexue/Journal of Lake Sciences, 2017, 29, 567-574.	0.3	1
124	Valorisation of Nutrients in Wastewaters Using Reactive Inorganic Sorbents. , 2019, , 457-482.		0
125	Increased Nitrogen Loading Boosts Summer Phytoplankton Growth by Alterations in Resource and Zooplankton Control: A Mesocosm Study. Frontiers in Environmental Science, 2021, 9, .	1.5	4
126	Phosphorus fractions and their availability in the sediments of eight tropical semiarid reservoirs. Journal of Soils and Sediments, 2022, 22, 982-993.	1.5	6
127	Mitigation of CyanoHABs Using PhoslockÂ® to Reduce Water Column Phosphorus and Nutrient Release from Sediment. International Journal of Environmental Research and Public Health, 2021, 18, 13360.	1.2	1

#	Article	IF	Citations
128	Non-Invasive Immobilisation and Removal of Phosphate from Lakes Using Submerged Laminates with Calciteâ€"Preliminary Results. Water, Air, and Soil Pollution, 2022, 233, .	1.1	0
129	Response of sediment phosphorus partitioning to lanthanum-modified clay amendment and porewater chemistry in a small eutrophic lake. Environmental Sciences: Processes and Impacts, 2022, 24, 1494-1507.	1.7	5
130	Effect of sediment burial depth on the control of sedimentary phosphorus release by iron/aluminum co-modified calcite and strategy for overcoming the negative effect of sediment burial. Science of the Total Environment, 2022, , 156467.	3.9	7
131	Physi-chemical mechanism and control effect of CaO2 inhibiting phosphorus release from sediments under different dosing modes. Chemosphere, 2022, 303, 135283.	4.2	2
132	Phosphorus fractionation and adsorption characteristics in drinking water reservoir inlet river sediments under human disturbance. Journal of Soils and Sediments, 2022, 22, 2530-2547.	1.5	5
133	Ca/Fe-layered double hydroxideâ€"zeolite composites for the control of phosphorus pollution in sediments: Performance, mechanisms, and microbial community response. Chemical Engineering Journal, 2022, 450, 138277.	6.6	19
134	Effect of lanthanum modified bentonite capping on control of sediment phosphorus and tungsten release. Ecological Engineering, 2022, 185, 106788.	1.6	5
135	Effect of aged nanoscale zero-valent iron amendment and capping on phosphorus mobilization in sediment. Chemical Engineering Journal, 2023, 451, 139072.	6.6	5
136	A combined study on Vallisneria spiralis and lanthanum modified bentonite to immobilize arsenic in sediments. Environmental Research, 2023, 216, 114689.	3.7	4
137	Controlled release of phosphorus using lanthanum-modified hydrochar synthesized from water treatment sludge: Adsorption behavior and immobilization mechanism. Journal of Water Process Engineering, 2022, 50, 103319.	2.6	7
138	Mechanism of cyanobacterial bloom control by magnetic lanthanum-based material. Science of the Total Environment, 2023, 861, 160603.	3.9	1
139	Synthesis, characterization and application of dewatered municipal sludge-based creamsite and its phosphorus adsorption characteristics. Journal of Cleaner Production, 2023, 391, 136216.	4.6	6
140	Combined amendment and capping of sediment with ferrihydrite and magnetite to control internal phosphorus release. Water Research, 2023, 235, 119899.	5.3	6