

# CITATION REPORT

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Multi-cycle bioregeneration of spent perchlorate-containing macroporous selective anion-exchange resin

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Water Research, 2012, 46, 21-32.

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#	Paper	IF	Citations
32	Bioregeneration of mono-amine modified silica and granular activated carbon loaded with Acid Orange 7 in batch system. <i>Bioresource Technology</i> , <b>2012</b> , 118, 633-7	11	17
31	Montmorillonite modified with hexadecylpyridinium chloride as highly efficient anion exchanger for perchlorate ion. <i>Chemical Engineering Journal</i> , <b>2012</b> , 191, 141-146	14.7	30
30	Sustainable nitrate-contaminated water treatment using multi cycle ion-exchange/bioregeneration of nitrate selective resin. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 262, 539-44	12.8	27
29	Perchlorate adsorption from aqueous solution on inorganic-pillared bentonites. <i>Chemical Engineering Journal</i> , <b>2013</b> , 223, 31-39	14.7	32
28	Immobilized acclimated biomass-powdered activated carbon for the bioregeneration of granular activated carbon loaded with phenol and o-cresol. <i>Bioresource Technology</i> , <b>2013</b> , 143, 265-74	11	20
27	Bioregeneration of hyper-cross-linked polymeric resin preloaded with phenol. <i>Bioresource Technology</i> , <b>2013</b> , 142, 701-5	11	6
26	Perchlorate removal by autotrophic bacteria associated with zero-valent iron: effect of calcium ions. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 722-729	3.5	6
25	Adsorption of perchlorate from aqueous solutions by anion exchange resins: Effects of resin properties and solution chemistry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 468, 114-121	5.1	28
24	Perchlorate removal from aqueous solution with a novel cationic metal-organic frameworks based on amino sulfonic acid ligand linking with Cu-4,4'-bipyridyl chains. <i>Chemical Engineering Journal</i> , <b>2015</b> , 281, 1008-1016	14.7	27
23	Potential mechanisms for bioregeneration of perchlorate-containing ion-exchange resin. <i>Water Research</i> , <b>2015</b> , 75, 1-10	12.5	16
22	Bioregeneration of single use nitrate selective ion-exchange resin enclosed in a membrane: Kinetics of desorption. <i>Separation and Purification Technology</i> , <b>2015</b> , 146, 268-275	8.3	12
21	Biocatalytic perchlorate reduction: kinetics and effects of groundwater characteristics. <i>Environmental Science: Water Research and Technology</i> , <b>2015</b> , 1, 913-921	4.2	7
20	Column adsorption of perchlorate by amine-crosslinked biopolymer based resin and its biological, chemical regeneration properties. <i>Carbohydrate Polymers</i> , <b>2015</b> , 115, 432-8	10.3	37
19	Removal of perchlorate from water using a biofilm magnetic ion exchange resin: feasibility and effects of dissolved oxygen, pH and competing ions. <i>RSC Advances</i> , <b>2016</b> , 6, 73365-73372	3.7	4
18	Mathematical modelling and reactor design for multi-cycle bioregeneration of nitrate exhausted ion exchange resin. <i>Water Research</i> , <b>2016</b> , 88, 766-776	12.5	9
17	Bio-regeneration of spent Fe <sub>3</sub> O <sub>4</sub> laden quaternary-ammonium shaddock peel after perchlorate capture: Considering the oxygen, coexisting anions, bio-fouling and indirect bio-regeneration. <i>Chemical Engineering Journal</i> , <b>2017</b> , 316, 204-213	14.7	8
16	Biosorption and Bioreduction of Perchlorate Using the Nano-Fe <sub>3</sub> O <sub>4</sub> -Laden Quaternary-Ammonium Chinese Reed: Considering the Coexisting Nitrate and Nano-Fe <sub>3</sub> O <sub>4</sub> . <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 2471-2482	8.3	16

15	Evaluating the Development of Biocatalytic Technology for the Targeted Removal of Perchlorate from Drinking Water. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 7178-7186	10.3	13
14	Bio-reduction of free and laden perchlorate by the pure and mixed perchlorate reducing bacteria: Considering the pH and coexisting nitrate. <i>Chemosphere</i> , <b>2018</b> , 205, 475-483	8.4	6
13	Perchlorate contamination in Chile: Legacy, challenges, and potential solutions. <i>Environmental Research</i> , <b>2018</b> , 164, 316-326	7.9	22
12	Bioregeneration of spent activated carbon: Review of key factors and recent mathematical models of kinetics. <i>Chinese Journal of Chemical Engineering</i> , <b>2018</b> , 26, 893-902	3.2	10
11	Reuse of spent resin for aqueous nitrate removal through bio-regeneration. <i>Journal of Cleaner Production</i> , <b>2019</b> , 224, 566-572	10.3	5
10	Multimedia-sequencing batch biofilm reactor in treating recycled paper mill effluent containing high level of pentachlorophenol: Long-term performance, mechanism and kinetic studies. <i>Journal of Water Process Engineering</i> , <b>2020</b> , 37, 101522	6.7	3
9	Achieving low-cost, highly selective nitrate removal with standard anion exchange resin by tuning recycled brine composition. <i>Water Research</i> , <b>2020</b> , 173, 115571	12.5	12
8	Removal of natural organic matter by ion exchange: Comparing regenerated and non-regenerated columns. <i>Water Research</i> , <b>2021</b> , 189, 116661	12.5	10
7	A novel bio-physical approach for perchlorate contaminated well water treatment. <i>Environmental Advances</i> , <b>2021</b> , 4, 100058	3.5	0
6	A hybrid treatment system for water contaminated with pentachlorophenol: Removal performance and bacterial community composition. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 43, 102243	6.7	4
5	Molybdenum-Catalyzed Perchlorate Reduction: Robustness, Challenges, and Solutions. <i>ACS ES&amp;T Engineering</i> ,		1
4	Ion exchange for effective separation of 3-nitro-1,2,4-triazol-5-one (NTO) from wastewater. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 436, 129215	12.8	0
3	Critical Review of Waste Brine Management Strategies for Drinking Water Treatment Using Strong Base Ion Exchange. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 129473	12.8	1
2	Bioregeneration of sulfate-laden anion exchange resin. <b>2022</b> , 224, 119110		0
1	Novel chromatographic purification of succinic acid from whey fermentation broth by anionic exchange resins.		0