Bioregeneration of perchlorate-laden gel-type anion-exchange resin in a fluidized bed reactor

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#	Paper	IF	Citations
27	Dissimilatory perchlorate reduction: a review. *Microbiological Research*, **2011**, 166, 237-54	5.3	140
26	Investigation of Factors Affecting the Bioregeneration Process for Perchlorate-Laden Gel-Type Anion-Exchange Resin. *Bioremediation Journal*, **2011**, 15, 1-11	2.3	11
25	Multi-cycle bioregeneration of spent perchlorate-containing macroporous selective anion-exchange resin. *Water Research*, **2012**, 46, 21-32	12.5	28
24	Water treatment technologies for perchlorate: A review. *Desalination*, **2012**, 298, 1-12	10.3	97
23	Sustainable nitrate-contaminated water treatment using multi cycle ion-exchange/bioregeneration of nitrate selective resin. *Journal of Hazardous Materials*, **2013**, 262, 539-44	12.8	27
22	Bioregeneration of hyper-cross-linked polymeric resin preloaded with phenol. *Bioresource Technology*, **2013**, 142, 701-5	11	6
21	Bioregeneration of azo dyes-loaded mono-amine modified silica in batch system: Effects of particle size and biomass acclimation condition. *Chemical Engineering Journal*, **2014**, 251, 175-182	14.7	6
20	Adsorption of perchlorate from aqueous solutions by anion exchange resins: Effects of resin properties and solution chemistry. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2015**, 468, 114-121	5.1	28
19	Potential mechanisms for bioregeneration of perchlorate-containing ion-exchange resin. *Water Research*, **2015**, 75, 1-10	12.5	16
18	Bioregeneration of single use nitrate selective ion-exchange resin enclosed in a membrane: Kinetics of desorption. *Separation and Purification Technology*, **2015**, 146, 268-275	8.3	12
17	Integration of adsorption and direct bio-reduction of perchlorate on surface of cotton stalk based resin. *Journal of Colloid and Interface Science*, **2015**, 459, 127-135	9.3	20
16	Effect of temperature & salt concentration on salt tolerant nitrate-perchlorate reducing bacteria: Nitrate degradation kinetics. *Water Research*, **2015**, 83, 345-53	12.5	11
15	Column adsorption of perchlorate by amine-crosslinked biopolymer based resin and its biological, chemical regeneration properties. *Carbohydrate Polymers*, **2015**, 115, 432-8	10.3	37
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13	Bacterial reduction of highly concentrated perchlorate: Kinetics and influence of co-existing electron acceptors, temperature, pH and electron donors. *Chemosphere*, **2016**, 148, 188-94	8.4	27
12	Regeneration of a perchlorate-exhausted highly selective ion exchange resin: Kinetics study of adsorption and desorption processes. *Separation and Purification Technology*, **2016**, 158, 266-274	8.3	14
11	Mathematical modelling and reactor design for multi-cycle bioregeneration of nitrate exhausted ion exchange resin. *Water Research*, **2016**, 88, 766-776	12.5	9

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9	Selective removal of copper from simulated nickel electrolyte by polystyrene-supported 2-aminomethylpyridine chelating resin. *Chemical Papers*, **2018**, 72, 2071-2085	1.9	9
8	Perchlorate contamination in Chile: Legacy, challenges, and potential solutions. *Environmental Research*, **2018**, 164, 316-326	7.9	22
7	Bioregeneration of spent activated carbon: Review of key factors and recent mathematical models of kinetics. *Chinese Journal of Chemical Engineering*, **2018**, 26, 893-902	3.2	10
6	Removal of 1,4-dioxane by titanium silicalite-1: Separation mechanisms and bioregeneration of sorption sites. *Chemical Engineering Journal*, **2019**, 371, 193-202	14.7	11
5	Simultaneous removal of sulfate and selenate from wastewater by process integration of an ion exchange column and upflow anaerobic sludge blanket bioreactor. *Separation Science and Technology*, **2019**, 54, 1387-1399	2.5	9
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2	Critical Review of Waste Brine Management Strategies for Drinking Water Treatment Using Strong Base Ion Exchange. *Journal of Hazardous Materials*, **2022**, 129473	12.8	1
1	Bioregeneration of sulfate-laden anion exchange resin. **2022**, 224, 119110		0