

Fluoride removal from water by adsorption – A review

Chemical Engineering Journal

171, 811-840

DOI: [10.1016/j.cej.2011.05.028](https://doi.org/10.1016/j.cej.2011.05.028)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Superb fluoride and arsenic removal performance of highly ordered mesoporous aluminas. <i>Journal of Hazardous Materials</i> , 2011, 198, 143-150.	6.5	137
2	Removal of Fluoride from Aqueous Solution by Using Ca-Bentonite and H-Bentonite. <i>Advanced Materials Research</i> , 2011, 391-392, 1417-1422.	0.3	0
3	Effect of Oxalic Acid on the Adsorption of Fluoride by Phosphate Rock from Aqueous Solution. <i>Advanced Materials Research</i> , 0, 610-613, 390-393.	0.3	0
4	Fluoride removal performance of phosphoric acid treated lime: Breakthrough analysis and point-of-use system performance. <i>Water S A</i> , 2012, 38, .	0.2	18
5	A low-cost and high efficient zirconium-modified-Na-attapulgite adsorbent for fluoride removal from aqueous solutions. <i>Chemical Engineering Journal</i> , 2012, 183, 315-324.	6.6	151
6	Effect factors and adsorption behavior of granular iron-oxide-zeolite in the removal of fluoride from aqueous solution. , 2012, , .		0
7	Column-mode fluoride removal from aqueous solution by magnesia-loaded fly ash cenospheres. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1409-1415.	1.2	12
8	CTAB mediated Mg-doped nano Fe ₂ O ₃ : synthesis, characterization, and fluoride adsorption behavior. <i>Desalination and Water Treatment</i> , 2012, 50, 376-386.	1.0	21
9	Removal of fluoride from aqueous solution by adsorption on Apatitic tricalcium phosphate using Box-Behnken design and desirability function. <i>Applied Surface Science</i> , 2012, 258, 4402-4410.	3.1	177
10	Tamarind (<i>Tamarindus indica</i>) fruit shell carbon: A calcium-rich promising adsorbent for fluoride removal from groundwater. <i>Journal of Hazardous Materials</i> , 2012, 225-226, 164-172.	6.5	66
11	Removal of uranium(VI) from aqueous solutions by magnetic Schiff base: Kinetic and thermodynamic investigation. <i>Chemical Engineering Journal</i> , 2012, 198-199, 412-419.	6.6	161
12	A facile method for the highly efficient hydrodechlorination of 2-chlorophenol using Al-Ni alloy in the presence of fluorine ion. <i>Chemical Engineering Journal</i> , 2012, 209, 79-85.	6.6	16
13	Synthesis of Li-Al Layered Double Hydroxides (LDHs) for Efficient Fluoride Removal. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 11490-11498.	1.8	116
14	Removal of uranium(VI) from aqueous solutions by magnetic Mg-Al layered double hydroxide intercalated with citrate: Kinetic and thermodynamic investigation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 414, 220-227.	2.3	76
15	Chemical regeneration of magnesium oxide used as a sorbent for fluoride. <i>Separation and Purification Technology</i> , 2012, 98, 24-30.	3.9	22
16	Fluoride Removal from Water using Bio-Char, a Green Waste, Low-Cost Adsorbent: Equilibrium Uptake and Sorption Dynamics Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 900-914.	1.8	201
17	Aggregation Control of Quantum Dots through Ion-Mediated Hydrogen Bonding Shielding. <i>ACS Nano</i> , 2012, 6, 4973-4983.	7.3	38
18	Modified coconut shell fibers: A green and economical sorbent for the removal of anions from aqueous solutions. <i>Chemical Engineering Journal</i> , 2012, 185-186, 274-284.	6.6	91

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19	Adsorption of fluoride onto different types of aluminas. <i>Chemical Engineering Journal</i> , 2012, 189-190, 126-133.	6.6	105
20	In situ grown of nano-hydroxyapatite on magnetic CaAl-layered double hydroxides and its application in uranium removal. <i>Chemical Engineering Journal</i> , 2012, 193-194, 372-380.	6.6	99
21	Simultaneous removal of arsenate and fluoride by iron and aluminum binary oxide: Competitive adsorption effects. <i>Separation and Purification Technology</i> , 2012, 92, 100-105.	3.9	59
22	Recovery of fluorine from bastnasite as synthetic cryolite by-product. <i>Journal of Hazardous Materials</i> , 2012, 209-210, 77-83.	6.5	64
23	Competitive adsorption characteristics of fluoride and phosphate on calcined Mg-Al-CO ₃ layered double hydroxides. <i>Journal of Hazardous Materials</i> , 2012, 213-214, 100-108.	6.5	125
24	Heat regeneration of hydroxyapatite/attapulgite composite beads for defluoridation of drinking water. <i>Journal of Hazardous Materials</i> , 2012, 221-222, 228-235.	6.5	22
25	Preparation of Fe ₃ O ₄ @C@Layered Double Hydroxide Composite for Magnetic Separation of Uranium. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10152-10159.	1.8	140
26	Studies on fluoride adsorption by apatitic tricalcium phosphate (ATCP) from aqueous solution. <i>Desalination and Water Treatment</i> , 2013, 51, 6743-6754.	1.0	10
27	Low temperature hydrolysis of carbonyl sulfide using Zn-Al hydrotalcite-derived catalysts. <i>Chemical Engineering Journal</i> , 2013, 226, 161-165.	6.6	40
29	Effect of co-existing ions during the preparation of alumina by electrolysis with aluminum soluble electrodes: Structure and defluoridation activity of electro-synthesized adsorbents. <i>Journal of Hazardous Materials</i> , 2013, 254-255, 125-133.	6.5	17
30	Use of pyrophyllite clay for fluoride removal from aqueous solution. <i>Desalination and Water Treatment</i> , 2013, 51, 3408-3416.	1.0	24
31	Drinking Water Quality Change from Catchment to Consumer in the Rural Community of Patar (Senegal). <i>Water Quality, Exposure, and Health</i> , 2013, 5, 75-83.	1.5	4
32	Defluoridation of Groundwater Using Termite Mound. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	19
33	Aqueous fluoride removal using ZnCr layered double hydroxides and their polymeric composites: Batch and column studies. <i>Chemical Engineering Journal</i> , 2013, 234, 406-415.	6.6	84
34	CN and heavy metal removal through formation of layered double hydroxides from mixed CN-containing electroplating wastewaters and pickle acid liquor. <i>Chemical Engineering Journal</i> , 2013, 215-216, 411-417.	6.6	17
35	Modification of chitosan with carboxyl-functionalized ionic liquid for anion adsorption. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 365-369.	3.6	33
36	Adsorption of fluoride onto crystalline titanium dioxide: Effect of pH, ionic strength, and co-existing ions. <i>Journal of Colloid and Interface Science</i> , 2013, 394, 419-427.	5.0	99
37	Effect of Doped Iron on Fluoride Sorption by Calcined MgAlFe-CO ₃ Layered Double Hydroxides. <i>Advanced Materials Research</i> , 0, 681, 21-25.	0.3	0

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38	Enhanced Removal of Fluoride by Polystyrene Anion Exchanger Supported Hydrous Zirconium Oxide Nanoparticles. <i>Environmental Science & Technology</i> , 2013, 47, 9347-9354.	4.6	198
39	Defluoridation of Drinking Water Using PURALÂ® MG-20 Mixed Hydroxide Adsorbent. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	9
40	Kinetics of leaching fluoride from mixed rare earth concentrate with hydrochloric acid and aluminum chloride. <i>Hydrometallurgy</i> , 2013, 140, 71-76.	1.8	55
41	Application of magnetic chitosan composites for the removal of toxic metal and dyes from aqueous solutions. <i>Advances in Colloid and Interface Science</i> , 2013, 201-202, 68-93.	7.0	543
42	Characterization and Adsorption Study using <i>Cocus nucifera</i> midribs for Fluoride Removal. <i>Journal of the Institution of Engineers (India): Series A</i> , 2013, 94, 209-217.	0.6	6
43	Synthesis, characterization, thermodynamic and kinetic investigations on uranium (VI) adsorption using organic-inorganic composites: Zirconyl-molybdopyrophosphate-tributyl phosphate. <i>Science China Chemistry</i> , 2013, 56, 1516-1524.	4.2	12
44	Basic aluminum sulfate@graphene hydrogel composites: preparation and application for removal of fluoride. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13101.	5.2	73
45	Sorption of fluoride on partially calcined dolomite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 435, 56-62.	2.3	20
46	Aluminum and lanthanum effects in natural materials on the adsorption of fluoride ions. <i>Journal of Fluorine Chemistry</i> , 2013, 148, 6-13.	0.9	47
47	One-Step Synthesis of Calcium Hydroxyapatite from Calcium Carbonate and Orthophosphoric Acid under Moderate Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 1439-1447.	1.8	35
48	One pot green synthetic route for the preparation of cetyl trimethyl ammonium bromide grafted multiwalled carbon nanotubes and their application towards defluoridation. <i>RSC Advances</i> , 2013, 3, 22421.	1.7	11
49	Removal of fluoride and total dissolved solids from coalbed methane produced water with a movable ultra-low pressure reverse osmosis system. <i>Desalination and Water Treatment</i> , 2013, 51, 4359-4367.	1.0	5
50	Development of new alginate entrapped Fe(III)â€“Zr(IV) binary mixed oxide for removal of fluoride from water bodies. <i>Chemical Engineering Journal</i> , 2013, 215-216, 763-771.	6.6	115
51	Defluoridation of drinking water using adsorption processes. <i>Journal of Hazardous Materials</i> , 2013, 248-249, 1-19.	6.5	263
52	Highlights on contemporary recognition and sensing of fluoride anion in solution and in the solid state. <i>Chemical Society Reviews</i> , 2013, 42, 2016-2038.	18.7	261
53	Modeling of fixed-bed adsorption of fluoride on bone char using a hybrid neural network approach. <i>Chemical Engineering Journal</i> , 2013, 228, 1098-1109.	6.6	107
54	Fluoride adsorption on modified natural siderite: Optimization and performance. <i>Chemical Engineering Journal</i> , 2013, 223, 183-191.	6.6	52
55	Immobilization of fluoride in artificially contaminated kaolinite by the addition of commercial-grade magnesium oxide. <i>Chemical Engineering Journal</i> , 2013, 233, 176-184.	6.6	19

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56	A colorimetric chemosensor for F ⁻ based on Alizarin complexone and layered double hydroxide ultrafilms. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 576-583.	4.0	14
57	Effects of fluoride on coagulation performance of aluminum chloride towards Kaolin suspension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 421, 84-90.	2.3	28
58	Optimization of pyrolysis conditions and adsorption properties of bone char for fluoride removal from water. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 104, 10-18.	2.6	127
59	Pb(II) removal of Fe ₃ O ₄ @SiO ₂ -NH ₂ core-shell nanomaterials prepared via a controllable sol-gel process. <i>Chemical Engineering Journal</i> , 2013, 215-216, 461-471.	6.6	240
60	Removal of fluoride from drinking water by cellulose@hydroxyapatite nanocomposites. <i>Carbohydrate Polymers</i> , 2013, 92, 269-275.	5.1	166
61	Sulfate-doped Fe ₃ O ₄ /Al ₂ O ₃ nanoparticles as a novel adsorbent for fluoride removal from drinking water. <i>Water Research</i> , 2013, 47, 4040-4049.	5.3	278
62	Co-occurrence of arsenic and fluoride in groundwater of semi-arid regions in Latin America: Genesis, mobility and remediation. <i>Journal of Hazardous Materials</i> , 2013, 262, 960-969.	6.5	206
63	Efficient removal of fluoride using new composite material of biopolymer alginate entrapped mixed metal oxide nanomaterials. <i>Desalination and Water Treatment</i> , 2013, 51, 4368-4378.	1.0	28
64	Sources and toxicity of fluoride in the environment. <i>Research on Chemical Intermediates</i> , 2013, 39, 2881-2915.	1.3	157
65	Application of a new adsorbent for fluoride removal from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2013, 263, 342-352.	6.5	99
66	Absorption Behavior of a Modified Cellulose Hydrogel for both Fluoride and Arsenic. <i>Advanced Materials Research</i> , 0, 726-731, 733-738.	0.3	4
67	Removal of Fluoride from Drinking Water by Gel Composite of Metal Ion and Humic Acid Adsorbent. <i>Advanced Materials Research</i> , 2013, 726-731, 695-699.	0.3	1
68	Granulation of Fe-Al-Ce nano-adsorbent for fluoride removal from drinking water using inorganic binder. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 1309-1316.	1.0	5
69	Characteristic Sorption of H ₂ BO ₃ /B(OH) ₃ on Magnesium Oxide. <i>Materials Transactions</i> , 2013, 54, 1809-1817.	1.4	32
70	Infrared Spectroscopic Study on the Modified Mechanism of Aluminum-Impregnated Bone Charcoal. <i>Journal of Spectroscopy</i> , 2014, 2014, 1-7.	0.6	5
71	Defluoridation with Locally Produced Thai Bone Char. <i>Advances in Environmental Chemistry</i> , 2014, 2014, 1-9.	1.8	6
72	Removal of aqueous uranyl ions by magnetic functionalized carboxymethylcellulose and adsorption property investigation. <i>Journal of Nuclear Materials</i> , 2014, 453, 82-90.	1.3	36
73	A Review on Adsorption of Fluoride from Aqueous Solution. <i>Materials</i> , 2014, 7, 6317-6366.	1.3	213

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76	A sorbent of carboxymethyl cellulose loaded with zirconium for the removal of fluoride from aqueous solution. Chemical Engineering Journal, 2014, 252, 415-422.	6.6	106
77	Agglomerated nanoparticles of hydrous Ce(IV)+Zr(IV) mixed oxide: Preparation, characterization and physicochemical aspects on fluoride adsorption. Applied Surface Science, 2014, 307, 665-676.	3.1	77
78	Preparation and evaluation of magnetic nanoparticles impregnated chitosan beads for arsenic removal from water. Chemical Engineering Journal, 2014, 251, 25-34.	6.6	170
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80	Batch and column adsorption and desorption of fluoride using hydrous ferric oxide: Solution chemistry and modeling. Chemical Engineering Journal, 2014, 247, 93-102.	6.6	128
81	Relevance of isotherm models in biosorption of pollutants by agricultural byproducts. Journal of Environmental Chemical Engineering, 2014, 2, 398-414.	3.3	356
82	A novel ultrasonication method in the preparation of zirconium impregnated cellulose for effective fluoride adsorption. Ultrasonics Sonochemistry, 2014, 21, 1090-1099.	3.8	74
83	A zirconium-based nanoparticle: Essential factors for sustainable application in treatment of fluoride containing water. Journal of Colloid and Interface Science, 2014, 416, 227-234.	5.0	54
84	Synthesis of strontium hydroxyapatite embedding ferroferric oxide nano-composite and its application in Pb ²⁺ adsorption. Journal of Molecular Liquids, 2014, 197, 40-47.	2.3	48
85	Al-1,3,5-benzenetricarboxylic metal-organic frameworks: A promising adsorbent for defluoridation of water with pH insensitivity and low aluminum residual. Chemical Engineering Journal, 2014, 252, 220-229.	6.6	103
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88	Fluoride removal from ground water using magnetic and nonmagnetic corn stover biochars. Ecological Engineering, 2014, 73, 798-808.	1.6	117
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93	Novel Apatite-Based Sorbent for Defluoridation: Synthesis and Sorption Characteristics of Nano-micro-crystalline Hydroxyapatite-Coated-Limestone. <i>Environmental Science & Technology</i> , 2014, 48, 5798-5807.	4.6	77
94	Synthesis of surface coated hydroxyapatite powders for fluoride removal from aqueous solution. <i>Powder Technology</i> , 2014, 268, 306-315.	2.1	55
95	Synthesis and properties of a magnetic core-shell composite nano-adsorbent for fluoride removal from drinking water. <i>Applied Surface Science</i> , 2014, 317, 552-559.	3.1	53
96	Surface complexation of fluoride at the activated nano-gibbsite water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 462, 124-130.	2.3	28
97	Excellent fluoride removal properties of porous hollow MgO microspheres. <i>New Journal of Chemistry</i> , 2014, 38, 5445-5452.	1.4	162
98	Kinetic, isotherm and thermodynamic investigations of Cu^{2+} adsorption onto magnesium hydroxyapatite/ferroferric oxide nano-composites with easy magnetic separation assistance. <i>Journal of Molecular Liquids</i> , 2014, 198, 157-163.	2.3	37
99	Performance of an optimized Zr-based nanoparticle-embedded PSF blend hollow fiber membrane in treatment of fluoride contaminated water. <i>Water Research</i> , 2014, 56, 88-97.	5.3	99
100	Simultaneous adsorption of phenol and Cu^{2+} from aqueous solution by activated carbon/chitosan composite. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 1608-1615.	1.2	11
101	Fluoride contamination of groundwater in parts of eastern India and a preliminary experimental study of fluoride adsorption by natural haematite iron ore and synthetic magnetite. <i>Environmental Earth Sciences</i> , 2014, 72, 2033-2049.	1.3	35
102	Fluoride sorption and desorption on soils located in the surroundings of an aluminium smelter in Galicia (NW Spain). <i>Environmental Earth Sciences</i> , 2014, 72, 4105-4114.	1.3	28
103	Millimeter-sized Mg-Al-LDH nanoflake impregnated magnetic alginate beads (LDH-n-MABs): a novel bio-based sorbent for the removal of fluoride in water. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2119-2128.	5.2	102
104	Adsorption of fluoride from aqueous solution using different phases of microbially synthesized TiO_2 nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 444-454.	3.3	44
105	Defluoridation of water via Light Weight Expanded Clay Aggregate (LECA): Adsorbent characterization, competing ions, chemical regeneration, equilibrium and kinetic modeling. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1821-1834.	2.7	41
106	Interaction of anionic pollutants with Al-based adsorbents in aqueous media - A review. <i>Chemical Engineering Journal</i> , 2014, 241, 443-456.	6.6	99
107	Adsorptive removal of fluoride ions from aqueous solution by using sonochemically synthesized nanomagnesia/alumina adsorbents: An experimental and modeling study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2518-2525.	2.7	47
108	Preparation of CaO loaded mesoporous Al_2O_3 : Efficient adsorbent for fluoride removal from water. <i>Chemical Engineering Journal</i> , 2014, 248, 430-439.	6.6	96
109	Chemical Reactions of Fluoride Removal by Chicken Bone Char. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2014, 70, III_527-III_534.	0.1	0

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114	Triarylboron-Linked Conjugated Microporous Polymers: Sensing and Removal of Fluoride Ions. <i>Chemistry - A European Journal</i> , 2015, 21, 17355-17362.	1.7	107
115	Ultrathin Surface Chemistry to Delay Anion Fouling. <i>ChemPlusChem</i> , 2015, 80, 911-914.	1.3	0
116	A comparative study of the defluoridation efficiency of synthetic dicalcium phosphate dihydrate (DCPD) and lacunar hydroxyapatite (L-HAp): An application of synthetic solution and Koundoumawa field water. <i>African Journal of Environmental Science and Technology</i> , 2015, 9, 111-125.	0.2	5
117	Technologies for Decentralized Fluoride Removal: Testing Metallic Iron-based Filters. <i>Water (Switzerland)</i> , 2015, 7, 6750-6774.	1.2	44
118	Removal of ferrous and manganous from water by activated carbon obtained from sugarcane bagasse. <i>Desalination and Water Treatment</i> , 2015, 55, 471-483.	1.0	47
119	Factors affecting fluoride and natural organic matter (NOM) removal from natural waters in Tanzania by nanofiltration/reverse osmosis. <i>Science of the Total Environment</i> , 2015, 527-528, 520-529.	3.9	113
120	Defluoridation by Al-based coagulation and adsorption: Species transformation of aluminum and fluoride. <i>Separation and Purification Technology</i> , 2015, 148, 68-75.	3.9	34
121	Renewable energy powered membrane technology: Fluoride removal in a rural community in northern Tanzania. <i>Separation and Purification Technology</i> , 2015, 149, 349-361.	3.9	51
122	Enhanced fluoride removal by loading Al/Zr onto carboxymethyl starch sodium: synergistic interactions between Al and Zr. <i>RSC Advances</i> , 2015, 5, 101819-101825.	1.7	26
123	An insight into thermodynamics of adsorptive removal of fluoride by calcined Ca ₃ Al ₂ (OH) ₁₃ layered double hydroxide. <i>RSC Advances</i> , 2015, 5, 105889-105900.	1.7	91
124	Adsorption of Fluoride from Aqueous Solution on Calcined and Uncalcined Layered Double Hydroxide. <i>Adsorption Science and Technology</i> , 2015, 33, 393-410.	1.5	22
125	MgAl layered double hydroxides with chloride and carbonate ions as interlayer anions for removal of arsenic and fluoride ions in water. <i>RSC Advances</i> , 2015, 5, 10412-10417.	1.7	97
126	Aluminum Alginate-Montmorillonite Composite Beads for Defluoridation of Water. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	24
127	Significance of calcium containing materials for defluoridation of water: a review. <i>Desalination and Water Treatment</i> , 2015, 53, 2070-2085.	1.0	23
128	Uptake fluoride from water by calcined Mg-Al-CO ₃ hydrotalcite: Mg/Al ratio effect on its structure, electrical affinity and adsorptive property. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 469, 307-314.	2.3	40
129	Development of a novel nano-biosorbent for the removal of fluoride from water. <i>Chinese Journal of Chemical Engineering</i> , 2015, 23, 924-933.	1.7	21
130	Comparing activated alumina with indigenous laterite and bauxite as potential sorbents for removing fluoride from drinking water in Ghana. <i>Applied Geochemistry</i> , 2015, 56, 50-66.	1.4	36

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131	Column performances on fluoride removal by agglomerated Ce(IV)–Zr(IV) mixed oxide nanoparticles packed fixed-beds. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 653-661.	3.3	31
132	A new ion exchange adsorption mechanism between carbonate groups and fluoride ions of basic aluminum carbonate nanospheres. <i>RSC Advances</i> , 2015, 5, 13256-13260.	1.7	36
133	Wide pH range for fluoride removal from water by MHS-MgO/MgCO ₃ adsorbent: Kinetic, thermodynamic and mechanism studies. <i>Journal of Colloid and Interface Science</i> , 2015, 446, 194-202.	5.0	62
134	Porous 2-line ferrihydrite/bayerite composites (LFBC): Fluoride removal performance and mechanism. <i>Chemical Engineering Journal</i> , 2015, 268, 325-336.	6.6	62
135	Rutin potentially attenuates fluoride-induced oxidative stress-mediated cardiotoxicity, blood toxicity and dyslipidemia in rats. <i>Toxicology Mechanisms and Methods</i> , 2015, 25, 143-149.	1.3	55
136	Hybrid Al ₂ O ₃ /bio-TiO ₂ nanocomposite impregnated thermoplastic polyurethane (TPU) nanofibrous membrane for fluoride removal from aqueous solutions. <i>RSC Advances</i> , 2015, 5, 26905-26912.	1.7	25
137	Development of a nanoporous adsorbent for the removal of health-hazardous fluoride ions from aqueous systems. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4215-4228.	5.2	78
138	Simultaneous adsorption of aniline and Cu ²⁺ from aqueous solution using activated carbon/chitosan composite. <i>Desalination and Water Treatment</i> , 2015, 55, 410-419.	1.0	11
139	Physico-chemical characterization of metal-doped bone chars and their adsorption behavior for water defluoridation. <i>Applied Surface Science</i> , 2015, 355, 748-760.	3.1	62
140	Recyclable Mg–Al layered double hydroxides for fluoride removal: Kinetic and equilibrium studies. <i>Journal of Hazardous Materials</i> , 2015, 300, 475-482.	6.5	62
141	Magnetic adsorbents for the treatment of water/wastewater—A review. <i>Journal of Water Process Engineering</i> , 2015, 7, 244-265.	2.6	324
142	Fluoride adsorption by doped and un-doped magnetic ferrites CuCe Fe ₂ O ₄ : Preparation, characterization, optimization and modeling for effectual remediation technologies. <i>Journal of Hazardous Materials</i> , 2015, 299, 316-324.	6.5	43
143	Water defluoridation with special emphasis on adsorbents-containing metal oxides and/or hydroxides: A review. <i>Separation and Purification Technology</i> , 2015, 150, 292-307.	3.9	71
144	Preparation and characterization of the linked lanthanum carboxymethylcellulose microsphere adsorbent for removal of fluoride from aqueous solutions. <i>RSC Advances</i> , 2015, 5, 59273-59285.	1.7	22
145	Polymeric anion exchanger supported hydrated Zr(IV) oxide nanoparticles: A reusable hybrid sorbent for selective trace arsenic removal. <i>Reactive and Functional Polymers</i> , 2015, 93, 84-94.	2.0	76
146	Clay and clay minerals for fluoride removal from water: A state-of-the-art review. <i>Applied Clay Science</i> , 2015, 114, 340-348.	2.6	129
147	Controlled synthesis of natroalunite microtubes and spheres with excellent fluoride removal performance. <i>Chemical Engineering Journal</i> , 2015, 271, 240-251.	6.6	42
148	Defluoridation by a Mg–Al–La triple-metal hydrous oxide: synthesis, sorption, characterization and emphasis on the neutral pH of treated water. <i>RSC Advances</i> , 2015, 5, 43906-43916.	1.7	27

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