

# Eric Guibal

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

281  
papers

15,075  
citations

68  
h-index

110  
g-index

286  
ext. papers

16,562  
ext. citations

6.6  
avg, IF

7.13  
L-index

#	Paper	IF	Citations
281	Batch sorption and fixed-bed elution for Pd recovery using stable amine-functionalized melamine sponge. <i>Journal of Cleaner Production</i> , <b>2022</b> , 337, 130475	10.3	0
280	U(VI) and Th(IV) recovery using silica beads functionalized with urea- or thiourea-based polymers - Application to ore leachate.. <i>Science of the Total Environment</i> , <b>2022</b> , 821, 153184	10.2	7
279	Functionalization of magnetic chitosan microparticles for high-performance removal of chromate from aqueous solutions and tannery effluent. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131775	14.7	17
278	Effect of bi-functionalization of algal/polyethyleneimine composite beads on the enhancement of tungstate sorption: Application to metal recovery from ore leachate. <i>Separation and Purification Technology</i> , <b>2022</b> , 290, 120893	8.3	4
277	Sulfonation of chitosan for enhanced sorption of Li(I) from acidic solutions [Application to metal recovery from waste Li-ion mobile battery. <i>Chemical Engineering Journal</i> , <b>2022</b> , 441, 135941	14.7	3
276	Selective lead (II) sorption using aminophosphonate-based sorbents: Effect of amine linker, characterization and sorption performance. <i>Chemical Engineering Journal</i> , <b>2022</b> , 442, 136300	14.7	1
275	Functionalization of magnetic chitosan microparticles [Comparison of trione and trithione grafting for enhanced silver sorption and application to metal recovery from waste X-ray photographic films. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 107939	6.8	4
274	Functionalized biobased composite for metal decontamination [Insight on uranium and application to water samples collected from wells in mining areas (Sinai, Egypt). <i>Chemical Engineering Journal</i> , <b>2021</b> , 431, 133967	14.7	11
273	Tuning the sorption properties of amidoxime-functionalized algal/polyethyleneimine beads for La(III) and Dy(III) using EDTA: Impact of metal speciation on selective separation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 431, 133214	14.7	2
272	Phosphorylation of Guar Gum/Magnetite/Chitosan Nanocomposites for Uranium (VI) Sorption and Antibacterial Applications. <i>Molecules</i> , <b>2021</b> , 26,	4.8	31
271	Investigation of mercury(II) and copper(II) sorption in single and binary systems by alginate/polyethylenimine membranes. <i>Carbohydrate Polymers</i> , <b>2021</b> , 257, 117588	10.3	3
270	Effect of agitation mode (mechanical, ultrasound and microwave) on uranium sorption using amine- and dithizone-functionalized magnetic chitosan hybrid materials. <i>Chemical Engineering Journal</i> , <b>2021</b> , 411, 128553	14.7	23
269	Synthesis of a New Phosphonate-Based Sorbent and Characterization of Its Interactions with Lanthanum (III) and Terbium (III). <i>Polymers</i> , <b>2021</b> , 13,	4.5	7
268	The production of clean diesel fuel by facile sun light photocatalytic desulfurization process using Cd-based diacetate as a novel liquid photocatalyst. <i>Journal of Cleaner Production</i> , <b>2021</b> , 279, 123629	10.3	2
267	Sulfonic-functionalized algal/PEI beads for scandium, cerium and holmium sorption from aqueous solutions (synthetic and industrial samples). <i>Chemical Engineering Journal</i> , <b>2021</b> , 403, 126399	14.7	31
266	2-Mercaptobenzimidazole derivative of chitosan for silver sorption [Contribution of magnetite incorporation and sonication effects on enhanced metal recovery. <i>Chemical Engineering Journal</i> , <b>2021</b> , 403, 126265	14.7	27
265	Synthesis of [Aminophosphonate based sorbents [Influence of inserted groups (carboxylic vs. amine) on uranyl sorption. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 127830	14.7	7

264	A biogenic tunable sorbent produced from upcycling of aquatic biota-based materials functionalized with methylene blue dye for the removal of chromium(VI) ions. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104767	6.8	11
263	Synthesis of polyamide 6/nano-hydroxyapatite hybrid (PA6/n-HAp) for the sorption of rare earth elements and uranium. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104731	6.8	5
262	Development of phosphoryl-functionalized algal-PEI beads for the sorption of Nd(III) and Mo(VI) from aqueous solutions Application for rare earth recovery from acid leachates. <i>Chemical Engineering Journal</i> , <b>2021</b> , 412, 127399	14.7	16
261	Nd(III) and Gd(III) Sorption on Mesoporous Amine-Functionalized Polymer/SiO Composite. <i>Molecules</i> , <b>2021</b> , 26,	4.8	6
260	Efficient Recovery of Rare Earth Elements (Pr(III) and Tm(III)) From Mining Residues Using a New Phosphorylated Hydrogel (Algal Biomass/PEI). <i>Metals</i> , <b>2021</b> , 11, 294	2.3	6
259	2-Mercaptobenzimidazole-functionalized chitosan for enhanced removal of methylene blue: Batch and column studies. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105609	6.8	11
258	Recovery of Heavy Metal Ions Using Magnetic Glycine-Modified Chitosan Application to Aqueous Solutions and Tailing Leachate. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 8377	2.6	13
257	Boosted Cr(VI) sorption coupled reduction from aqueous solution using quaternized algal/alginat@PEI beads. <i>Chemosphere</i> , <b>2021</b> , 281, 130844	8.4	7
256	Novel phosphonate-functionalized composite sorbent for the recovery of lanthanum(III) and terbium(III) from synthetic solutions and ore leachate. <i>Chemical Engineering Journal</i> , <b>2021</b> , 424, 130500	14.7	6
255	A new route for manufacturing poly(aminophosphonic)-functionalized poly(glycidyl methacrylate)-magnetic nanocomposite - Application to uranium sorption from ore leachate. <i>Environmental Pollution</i> , <b>2020</b> , 264, 114797	9.3	18
254	Cadmium and iron removal from phosphoric acid using commercial resins for purification purpose. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 31278-31288	5.1	5
253	Enhancement of corrosion resistance of the cooling systems in desalination plants by green inhibitor. <i>Scientific Reports</i> , <b>2020</b> , 10, 4812	4.9	17
252	As(V) sorption from aqueous solutions using quaternized algal/polyethyleneimine composite beads. <i>Science of the Total Environment</i> , <b>2020</b> , 719, 137396	10.2	26
251	Synthesis of microporous nano-composite (hollow spheres) for fast detection and removal of As(V) from contaminated water. <i>Chemical Engineering Journal</i> , <b>2020</b> , 390, 124439	14.7	7
250	Arsenic Sorption on Chitosan-Based Sorbents: Comparison of the Effect of Molybdate and Tungstate Loading on As(V) Sorption Properties. <i>Journal of Polymers and the Environment</i> , <b>2020</b> , 28, 934-947	4.5	13
249	Controlled bi-functionalization of silica microbeads through grafting of amidoxime/methacrylic acid for Sr(II) enhanced sorption. <i>Chemical Engineering Journal</i> , <b>2020</b> , 402, 125220	14.7	10
248	Quaternization of Composite Algal/PEI Beads for Enhanced Uranium Sorption-Application to Ore Acidic Leachate. <i>Gels</i> , <b>2020</b> , 6,	4.2	20
247	Selenium(VI) and copper(II) adsorption using polyethyleneimine-based resins: Effect of glutaraldehyde crosslinking and storage condition. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 386, 121637	12.8	25

246	Se(VI) sorption from aqueous solution using alginate/polyethylenimine membranes: Sorption performance and mechanism. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 147, 832-843	7.9	6
245	Efficient removal of uranium, cadmium and mercury from aqueous solutions using grafted hydrazide-micro-magnetite chitosan derivative. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 4193-4212	4.3	27
244	Magnetic metal oxide-organic framework material for ultrasonic-assisted sorption of titan yellow and rose bengal from aqueous solutions. <i>Chemical Engineering Journal</i> , <b>2020</b> , 392, 123635	14.7	39
243	Fire behavior of innovative alginate foams. <i>Carbohydrate Polymers</i> , <b>2020</b> , 250, 116910	10.3	6
242	Oil removal from crude oil-in-saline water emulsions using chitosan as biosorbent. <i>Separation Science and Technology</i> , <b>2020</b> , 55, 835-847	2.5	12
241	Quaternization of algal/PEI beads (a new sorbent): Characterization and application to scandium sorption from aqueous solutions. <i>Chemical Engineering Journal</i> , <b>2020</b> , 383, 123210	14.7	23
240	Palladium nanoparticles supported on amine-functionalized alginate foams for hydrogenation of 3-nitrophenol. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 2032-2051	4.3	6
239	Uranium(VI) and zirconium(IV) sorption on magnetic chitosan derivatives Effect of different functional groups on separation properties. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2019</b> , 94, 3866-3882	3.5	22
238	Integrated treatment of tailing material for the selective recovery of uranium, rare earth elements and heavy metals. <i>Minerals Engineering</i> , <b>2019</b> , 133, 138-148	4.9	21
237	Synthesis of polyaminophosphonic acid-functionalized poly(glycidyl methacrylate) for the efficient sorption of La(III) and Y(III). <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121932	14.7	26
236	New highly-percolating alginate-PEI membranes for efficient recovery of chromium from aqueous solutions. <i>Carbohydrate Polymers</i> , <b>2019</b> , 225, 115177	10.3	20
235	Amidoxime Functionalization of Algal/Polyethyleneimine Beads for the Sorption of Sr(II) from Aqueous Solutions. <i>Molecules</i> , <b>2019</b> , 24,	4.8	29
234	Amidoxime functionalization of a poly(acrylonitrile)/silica composite for the sorption of Ga(III) Application to the treatment of Bayer liquor. <i>Chemical Engineering Journal</i> , <b>2019</b> , 368, 459-473	14.7	40
233	A new method for incorporating polyethyleneimine (PEI) in algal beads: High stability as sorbent for palladium recovery and supported catalyst for nitrophenol hydrogenation. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 221, 144-155	4.4	19
232	Metal valorization from the waste produced in the manufacturing of Co/Mo catalysts: leaching and selective precipitation. <i>Journal of Material Cycles and Waste Management</i> , <b>2019</b> , 21, 525-538	3.4	12
231	A new route for the synthesis of self-acidified and granulated mesoporous alumina catalyst with superior Lewis acidity and its application in cumene conversion. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 5424-5444	4.3	3
230	Synthesis and adsorption characteristics of grafted hydrazinyl amine magnetite-chitosan for Ni(II) and Pb(II) recovery. <i>Chemical Engineering Journal</i> , <b>2019</b> , 362, 310-324	14.7	72
229	Uranium and europium sorption on amidoxime-functionalized magnetic chitosan micro-particles. <i>Chemical Engineering Journal</i> , <b>2018</b> , 344, 124-137	14.7	71

228	Magnetic glutamine-grafted polymer for the sorption of U(VI), Nd(III) and Dy(III). <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 1790-1806	3.5	19
227	New alginate foams: Box-Behnken design of their manufacturing; fire retardant and thermal insulating properties. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45868	2.9	10
226	A novel algal-based sorbent for heavy metal removal. <i>Chemical Engineering Journal</i> , <b>2018</b> , 332, 582-595	14.7	121
225	Chitosan for wastewater treatment. <i>Polymer International</i> , <b>2018</b> , 67, 7-14	3.3	99
224	Functionalization of polyacrylonitrile/Na-Y-zeolite composite with amidoxime groups for the sorption of Cu(II), Cd(II) and Pb(II) metal ions. <i>Chemical Engineering Journal</i> , <b>2018</b> , 332, 727-736	14.7	116
223	A Comparison of Palladium Sorption Using Polyethylenimine Impregnated Alginate-Based and Carrageenan-Based Algal Beads. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 264	2.6	11
222	Meet Our Co-Editor. <i>Current Applied Polymer Science</i> , <b>2018</b> , 2, 1-1	0.2	1
221	Groundwater Purification in a Polymetallic Mining Area (SW Sinai, Egypt) Using Functionalized Magnetic Chitosan Particles. <i>Water, Air, and Soil Pollution</i> , <b>2018</b> , 229, 1	2.6	7
220	Synthesis of Amino-phosphonate functionalized chitosan sorbents: Effect of methyl vs phenyl group on uranium sorption. <i>Chemical Engineering Journal</i> , <b>2018</b> , 352, 1022-1034	14.7	72
219	Boron removal by a composite sorbent: Polyethylenimine/tannic acid derivative immobilized in alginate hydrogel beads. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2017</b> , 52, 359-367	2.3	13
218	Grafting of arginine and glutamic acid onto cellulose for enhanced uranyl sorption. <i>Cellulose</i> , <b>2017</b> , 24, 1427-1443	5.5	21
217	Modeling competitive sorption of lead and copper ions onto alginate and greenly prepared algal-based beads. <i>Bioresource Technology</i> , <b>2017</b> , 231, 26-35	11	22
216	Chemical modification of alginate for enhanced sorption of Cd(II), Cu(II) and Pb(II). <i>Chemical Engineering Journal</i> , <b>2017</b> , 316, 704-714	14.7	62
215	Aspartic acid grafting on cellulose and chitosan for enhanced Nd(III) sorption. <i>Reactive and Functional Polymers</i> , <b>2017</b> , 113, 13-22	4.6	26
214	Innovative conditioning of algal-based sorbents: Macro-porous discs for palladium sorption. <i>Chemical Engineering Journal</i> , <b>2017</b> , 325, 521-532	14.7	23
213	Cellulose and chitosan derivatives for enhanced sorption of erbium(III). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 529, 580-593	5.1	39
212	Praseodymium sorption on Laminaria digitata algal beads and foams. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 504, 780-789	9.3	14
211	Pd(II) and Pt(IV) sorption using alginate and algal-based beads. <i>Chemical Engineering Journal</i> , <b>2017</b> , 313, 567-579	14.7	57

210	Amberlite XAD-1180 impregnation with Cyphos IL101 for the selective recovery of precious metals from HCl solutions. <i>Gold Bulletin</i> , <b>2017</b> , 50, 7-23	1.6	8
209	Sorption of Rare Earth Metal Ions (La(III), Nd(III) and Er(III)) using Cellulose. <i>Current Applied Polymer Science</i> , <b>2017</b> , 1, 96-106	0.2	0
208	Amberlite XAD Resins Impregnated with Ionic Liquids for Au(III) Recovery. <i>Macromolecular Symposia</i> , <b>2017</b> , 374, 1600134	0.8	6
207	Encapsulation of Cyanex 302 with Alginate for Palladium Recovery. <i>Macromolecular Symposia</i> , <b>2017</b> , 374, 1600135	0.8	3
206	Sodium and acidic alginate foams with hierarchical porosity: Preparation, characterization and efficiency as a dye adsorbent. <i>Carbohydrate Polymers</i> , <b>2017</b> , 178, 78-85	10.3	22
205	Evaluation of adsorption behavior for U(VI) and Nd(III) ions onto fumarated polystyrene microspheres. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2017</b> , 314, 429-437	1.5	10
204	Hybrid Nanocomposites Based on Prussian Blue-Type Nanoparticles Included into Polysaccharides Matrices <b>2017</b> , 85-119		
203	Cadmium Recovery from HCl Solutions Using Cyanex 301 and Cyanex 302 Immobilized in Alginate Capsules (Matrix-Type vs. Mononuclear-Type Mode of Encapsulation). <i>Solvent Extraction and Ion Exchange</i> , <b>2017</b> , 35, 345-362	2.5	5
202	Uranium and neodymium biosorption using novel chelating polysaccharide. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 963-968	7.9	28
201	How the conditioning and storage of samples for SEM-EDX analysis may influence the interpretation of diffusion mechanisms in the sorption of metals ions by extractant impregnated resins. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2017</b> , 92, 479-491	3.5	
200	Design of remediation pilot plants for the treatment of industrial metal-bearing effluents (BIOMETAL DEMO project): Lab tests. <i>Hydrometallurgy</i> , <b>2017</b> , 168, 103-115	4	7
199	Chemical modifications of chitosan nano-based magnetic particles for enhanced uranyl sorption. <i>Hydrometallurgy</i> , <b>2017</b> , 168, 127-134	4	23
198	Synthesis and characterization of poly(carboxymethyl)-cellulose for enhanced La(III) sorption. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 1809-1820	10.3	35
197	Sorption of Hg(II) and Zn(II) ions using lignocellulosic sorbent (date pits). <i>Canadian Journal of Chemical Engineering</i> , <b>2017</b> , 95, 775-782	2.3	15
196	Functionalization of Magnetic Chitosan Particles for the Sorption of U(VI), Cu(II) and Zn(II)-Hydrazide Derivative of Glycine-Grafted Chitosan. <i>Materials</i> , <b>2017</b> , 10,	3.5	37
195	Extractant Immobilization in Alginate Capsules (Matrix- and Mononuclear-Type): Application to Pb(II) Sorption from HCl Solutions. <i>Materials</i> , <b>2017</b> , 10,	3.5	1
194	Algal Foams Applied in Fixed-Bed Process for Lead(II) Removal Using Recirculation or One-Pass Modes. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	8
193	Removal of trace nonylphenol from water in the coexistence of suspended inorganic particles and NOMs by using a cellulose-based flocculant. <i>Chemosphere</i> , <b>2016</b> , 161, 482-490	8.4	19

192	Potential use of magnetic glycidyl methacrylate resin as a mercury sorbent: From basic study to the application to wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 3632-3645	6.8	19
191	Recovering Heavy Metal Ions from Complex Solutions Using Polyethylenimine Derivatives Encapsulated in Alginate Matrix. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 2461-2470	3.9	60
190	Alanine and serine functionalized magnetic nano-based particles for sorption of Nd(III) and Yb(III). <i>Advances in Environmental Research</i> , <b>2016</b> , 5, 1-18		7
189	Alginate and Algal-Based Beads for the Sorption of Metal Cations: Cu(II) and Pb(II). <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	45
188	Factorial Design Methodological Approach for Enhanced Cadmium Ions Bioremoval by Opuntia Biomass. <i>Clean - Soil, Air, Water</i> , <b>2016</b> , 44, 959-966	1.6	7
187	Fe(III) recovery from HCl solutions using amberlite XAD-7 resin impregnated with a tetraalkyl phosphonium ionic liquid. <i>Canadian Journal of Chemical Engineering</i> , <b>2016</b> , 94, 107-116	2.3	9
186	Influence of the textural characteristics of the support on Au(III) sorption from HCl solutions using Cyphos IL101-impregnated Amberlite resins. <i>Chemical Engineering Journal</i> , <b>2016</b> , 302, 426-436	14.7	22
185	Elaboration of light composite materials based on alginate and algal biomass for flame retardancy: preliminary tests. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 10035-10047	4.3	6
184	Biosorption of zinc from aqueous solution by dried activated sludge biomass. <i>Desalination and Water Treatment</i> , <b>2015</b> , 56, 2699-2705		4
183	Selective removal of Hg(II) from aqueous solution by functionalized magnetic-macromolecular hybrid material. <i>Chemical Engineering Journal</i> , <b>2015</b> , 281, 345-359	14.7	62
182	Arsenic(V) sorption using chitosan/Cu(OH) <sub>2</sub> and chitosan/CuO composite sorbents. <i>Carbohydrate Polymers</i> , <b>2015</b> , 134, 190-204	10.3	99
181	Diethylenetriamine-functionalized chitosan magnetic nano-based particles for the sorption of rare earth metal ions [Nd(III), Dy(III) and Yb(III)]. <i>Cellulose</i> , <b>2015</b> , 22, 2589-2605	5.5	64
180	Cysteine-Functionalized Chitosan Magnetic Nano-Based Particles for the Recovery of Light and Heavy Rare Earth Metals: Uptake Kinetics and Sorption Isotherms. <i>Nanomaterials</i> , <b>2015</b> , 5, 154-179	5.4	87
179	Amino Acid Functionalized Chitosan Magnetic Nanobased Particles for Uranyl Sorption. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 12374-12385	3.9	57
178	Uranium extraction using magnetic nano-based particles of diethylenetriamine-functionalized chitosan: Equilibrium and kinetic studies. <i>Chemical Engineering Journal</i> , <b>2015</b> , 262, 198-209	14.7	98
177	Calcium/chitosan spheres as catalyst for biodiesel production. <i>Polymer International</i> , <b>2015</b> , 64, 242-249	3.3	14
176	Immobilization of Metal Hexacyanoferrate Ion-Exchangers for the Synthesis of Metal Ion Sorbents--A Mini-Review. <i>Molecules</i> , <b>2015</b> , 20, 20582-613	4.8	71
175	Uranium (VI) Sorption Using Functionalized-Chitosan Magnetic Nanobased Particles. <i>Advanced Materials Research</i> , <b>2015</b> , 1130, 499-502	0.5	3

174	Biopolymer Encapsulation of PEI-Derivatives for Heavy Metal Sorption. <i>Advanced Materials Research</i> , <b>2015</b> , 1130, 529-532	0.5	
173	Biopolymers as Encapsulating Agents for the Immobilization of Prussian Blue and Analogues for the Sorption of Cesium. <i>Advanced Materials Research</i> , <b>2015</b> , 1130, 507-510	0.5	1
172	Chitin-Prussian blue sponges for Cs(I) recovery: from synthesis to application in the treatment of accidental dumping of metal-bearing solutions. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 287, 171-9	12.8	53
171	Dy(III) recovery from dilute solutions using magnetic-chitosan nano-based particles grafted with amino acids. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 2832-2848	4.3	39
170	Thallium(I) sorption using Prussian blue immobilized in alginate capsules. <i>Carbohydrate Polymers</i> , <b>2014</b> , 99, 517-26	10.3	43
169	Preparation of a new chitosan-based material and its application for mercury sorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 446, 224-232	5.1	43
168	Biopolymer-supported ionic-liquid-phase ruthenium catalysts for olefin metathesis. <i>ChemSusChem</i> , <b>2014</b> , 7, 1040-5	8.3	12
167	Immobilization of metal hexacyanoferrates in chitin beads for cesium sorption: synthesis and characterization. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 10007	13	83
166	Immobilization of inorganic ion-exchanger into biopolymer foams [Application to cesium sorption. <i>Chemical Engineering Journal</i> , <b>2014</b> , 236, 202-211	14.7	48
165	Metal ion biosorption on chitosan for the synthesis of advanced materials. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 5505-5518	4.3	81
164	Chromium biosorption using the residue of alginate extraction from <i>Sargassum filipendula</i> . <i>Chemical Engineering Journal</i> , <b>2014</b> , 237, 362-371	14.7	80
163	Characterization of metalBiomass interactions in the lanthanum(III) biosorption on <i>Sargassum sp.</i> using SEM/EDX, FTIR, and XPS: Preliminary studies. <i>Chemical Engineering Journal</i> , <b>2014</b> , 239, 381-391	14.7	104
162	Introduction of copper nanoparticles in chitosan matrix as strategy to enhance chromate adsorption. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2014</b> , 83, 43-48	3.7	12
161	Development of a new chitosan/Ni(OH) <sub>2</sub> -based sorbent for boron removal. <i>Chemical Engineering Journal</i> , <b>2014</b> , 244, 576-586	14.7	44
160	Flocculation of <i>Escherichia coli</i> using a quaternary ammonium salt grafted carboxymethyl chitosan flocculant. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 6867-73	10.3	82
159	Boron recovery from seawater with a new low-cost adsorbent material. <i>Chemical Engineering Journal</i> , <b>2014</b> , 254, 463-471	14.7	44
158	Tetraalkylphosphonium Ionic Liquid Encapsulation in Alginate Beads for Cd(II) Sorption from HCl Solutions. <i>Solvent Extraction and Ion Exchange</i> , <b>2014</b> , 32, 543-561	2.5	8
157	Lead biosorption using a dairy sludge--thermodynamic study and competition effects. <i>Water Environment Research</i> , <b>2014</b> , 86, 28-35	2.8	1



156	Hg(II) removal from HCl solutions using a tetraalkylphosphonium ionic liquid impregnated onto Amberlite XAD-7. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	13
155	Biosorption of chromium by alginate extraction products from <i>Sargassum filipendula</i> : investigation of adsorption mechanisms using X-ray photoelectron spectroscopy analysis. <i>Bioresource Technology</i> , <b>2014</b> , 164, 264-9	11	64
154	Bismuth(III) recovery from hydrochloric acid solutions using Amberlite XAD-7 impregnated with a tetraalkylphosphonium ionic liquid. <i>Separation and Purification Technology</i> , <b>2014</b> , 135, 268-277	8.3	20
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16	Adsorption of Hexavalent Chromium on Chitosan Beads: Sorption Isotherms and Kinetics. <i>Mineral Processing and Extractive Metallurgy Review</i> , <b>1998</b> , 19, 277-291	3.1	17
15	Chitosan Gel Beads as a New Biosorbent for Molybdate Removal. <i>Mineral Processing and Extractive Metallurgy Review</i> , <b>1998</b> , 19, 293-308	3.1	1
14	Vanadium (IV) sorption by chitosan: Kinetics and equilibrium. <i>Water Research</i> , <b>1996</b> , 30, 465-475	12.5	201
13	Dynamic removal of uranium by chitosan: influence of operating parameters. <i>Water Science and Technology</i> , <b>1996</b> , 34, 169-177	2.2	25



12	Sorption and desorption of uranyl ions by silica gel: pH, particle size and porosity effects. <i>Microporous Materials</i> , <b>1996</b> , 5, 309-324		95
11	Interaction Mechanisms between Hexavalent Chromium and Corncob. <i>Environmental Technology (United Kingdom)</i> , <b>1996</b> , 17, 55-62	2.6	25
10	Enhancement of Metal Ion Sorption Performances of Chitosan: Effect of the Structure on the Diffusion Properties. <i>Langmuir</i> , <b>1995</b> , 11, 591-598	4	144
9	Application of Silica Gel to Metal Ion Sorption: Static and Dynamic Removal of Uranyl Ions. <i>Environmental Technology (United Kingdom)</i> , <b>1995</b> , 16, 101-114	2.6	43
8	Infrared spectroscopic study of uranyl biosorption by fungal biomass and materials of biological origin. <i>Environmental Science &amp; Technology</i> , <b>1995</b> , 29, 2496-503	10.3	102
7	Approach of uranium sorption mechanisms on chitosan and glutamate glucan by IR and <sup>13</sup> C-NMR analysis. <i>Reactive and Functional Polymers</i> , <b>1995</b> , 27, 209-221	4.6	20
6	Uranium and vanadium sorption by chitosan and derivatives. <i>Water Science and Technology</i> , <b>1994</b> , 30, 183-190	2.2	76
5	Uptake of uranyl ions by new sorbing polymers: discussion of adsorption isotherms and pH effect. <i>Reactive &amp; Functional Polymers</i> , <b>1994</b> , 23, 147-156		52
4	Uranium biosorption by a filamentous fungus <i>Mucor miehei</i> pH effect on mechanisms and performances of uptake. <i>Water Research</i> , <b>1992</b> , 26, 1139-1145	12.5	162
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2	Fixation de l'uranium par un champignon filamenteux : application au traitement de effluents faiblement chargés. <i>Journal Francais D'Hydrologie</i> , <b>1990</b> , 21, 229-240		5
1	Effective removal of nickel(II) and zinc(II) in mono-compound and binary systems from aqueous solutions by application of alginate-based materials. <i>International Journal of Environmental Analytical Chemistry</i> , 1-22	1.8	6