

Anastasios I Zouboulis

List of Publications by Year in descending order

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322
papers

12,204
citations

26630

56
h-index

38395

95
g-index

341
all docs

341
docs citations

341
times ranked

10193
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosorption of toxic metals from aqueous solutions by bacteria strains isolated from metal-polluted soils. <i>Process Biochemistry</i> , 2004, 39, 909-916.	3.7	402
2	Removal of arsenic from contaminated water sources by sorption onto iron-oxide-coated polymeric materials. <i>Water Research</i> , 2002, 36, 5141-5155.	11.3	398
3	Coagulation-flocculation pretreatment of sanitary landfill leachates. <i>Chemosphere</i> , 2003, 53, 737-744.	8.2	370
4	Application of biological processes for the removal of arsenic from groundwaters. <i>Water Research</i> , 2004, 38, 17-26.	11.3	331
5	Removal of As(V) from wastewaters by chemically modified fungal biomass. <i>Water Research</i> , 2003, 37, 4544-4552.	11.3	267
6	A field investigation of the quantity and quality of leachate from a municipal solid waste landfill in a Mediterranean climate (Thessaloniki, Greece). <i>Journal of Environmental Management</i> , 2002, 6, 207-219.	1.7	263
7	Sorption of As(V) ions by akaganite-type nanocrystals. <i>Chemosphere</i> , 2003, 50, 155-163.	8.2	263
8	Treatment of oil-in-water emulsions by coagulation and dissolved-air flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 172, 153-161.	4.7	247
9	Equilibrium and kinetic modeling of chromium(VI) biosorption by <i>Aeromonas caviae</i> . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 242, 93-104.	4.7	234
10	Biological treatment of Mn(II) and Fe(II) containing groundwater: kinetic considerations and product characterization. <i>Water Research</i> , 2004, 38, 1922-1932.	11.3	219
11	Arsenic Removal Using Iron Oxide Loaded Alginate Beads. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 6149-6155.	3.7	178
12	Removal of phosphates by pilot vertical-flow constructed wetlands using a mixture of sand and dolomite as substrate. <i>Ecological Engineering</i> , 2006, 26, 293-303.	3.6	177
13	In situ stabilization of toxic metals in polluted soils using phosphates: theoretical prediction and experimental verification. <i>Journal of Hazardous Materials</i> , 2005, 117, 41-53.	12.4	170
14	Comparison of two biological treatment processes using attached-growth biomass for sanitary landfill leachate treatment. <i>Environmental Pollution</i> , 2001, 111, 273-281.	7.5	144
15	A new inorganic-organic composite coagulant, consisting of Polyferric Sulphate (PFS) and Polyacrylamide (PAA). <i>Water Research</i> , 2009, 43, 3511-3524.	11.3	143
16	Removal of hexavalent chromium anions from solutions by pyrite fines. <i>Water Research</i> , 1995, 29, 1755-1760.	11.3	138
17	The application of bioflocculant for the removal of humic acids from stabilized landfill leachates. <i>Journal of Environmental Management</i> , 2004, 70, 35-41.	7.8	134
18	Appropriate combination of physico-chemical methods (coagulation/flocculation and ozonation) for the efficient treatment of landfill leachates. <i>Chemosphere</i> , 2006, 62, 722-730.	8.2	124

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19	As(III) removal from groundwaters using fixed-bed upflow bioreactors. <i>Chemosphere</i> , 2002, 47, 325-332.	8.2	123
20	Biosorption of cadmium ions by Actinomycetes and separation by flotation. <i>Environmental Pollution</i> , 1999, 104, 283-293.	7.5	122
21	Polyferric sulphate: Preparation, characterisation and application in coagulation experiments. <i>Journal of Hazardous Materials</i> , 2008, 155, 459-468.	12.4	120
22	Investigation of sewage sludge stabilization potential by the addition of fly ash and lime. <i>Journal of Hazardous Materials</i> , 2008, 154, 1052-1059.	12.4	117
23	Performance of pilot-scale vertical-flow constructed wetlands, as affected by season, substrate, hydraulic load and frequency of application of simulated urban sewage. <i>Ecological Engineering</i> , 2007, 31, 57-66.	3.6	112
24	A CFD methodology for the design of sedimentation tanks in potable water treatment. <i>Chemical Engineering Journal</i> , 2008, 140, 110-121.	12.7	105
25	Occurrence of Cr(VI) in drinking water of Greece and relation to the geological background. <i>Journal of Hazardous Materials</i> , 2015, 281, 2-11.	12.4	104
26	Recent advances in the bioremediation of arsenic-contaminated groundwaters. <i>Environment International</i> , 2005, 31, 213-219.	10.0	102
27	AkaganÃ©ite-type $\text{Fe}_2\text{FeO}(\text{OH})$ nanocrystals: preparation and characterization. <i>Microporous and Mesoporous Materials</i> , 2001, 42, 49-57.	4.4	101
28	REMOVAL OF ARSENATES FROM CONTAMINATED WATER BY COAGULATION AND DIRECT FILTRATION. <i>Separation Science and Technology</i> , 2002, 37, 2859-2873.	2.5	101
29	Photocatalytic oxidation of Auramine O in the presence of semiconducting oxides. <i>Journal of Chemical Technology and Biotechnology</i> , 2000, 75, 205-212.	3.2	98
30	Flotation removal of As(V) onto goethite. <i>Environmental Pollution</i> , 1997, 97, 239-245.	7.5	95
31	Kinetics of Bacterial As(III) Oxidation and Subsequent As(V) Removal by Sorption onto Biogenic Manganese Oxides during Groundwater Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 486-493.	3.7	95
32	A study on the properties and coagulation behaviour of modified inorganic polymeric coagulant – Polyferric silicate sulphate (PFSiS). <i>Separation and Purification Technology</i> , 2008, 63, 475-483.	7.9	94
33	Removal of pesticides from aqueous solutions by combined physicochemical processes – the behaviour of lindane. <i>Environmental Pollution</i> , 1998, 103, 193-202.	7.5	92
34	Incineration of tannery sludge under oxic and anoxic conditions: Study of chromium speciation. <i>Journal of Hazardous Materials</i> , 2015, 283, 672-679.	12.4	92
35	Removal of uranium from contaminated drinking water: a mini review of available treatment methods. <i>Desalination and Water Treatment</i> , 2013, 51, 2915-2925.	1.0	90
36	Fouling Issues in Membrane Bioreactors (MBRs) for Wastewater Treatment: Major Mechanisms, Prevention and Control Strategies. <i>Processes</i> , 2014, 2, 795-866.	2.8	90

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37	The removal and recovery of cadmium from dilute aqueous solutions by biosorption and electrolysis at laboratory scale. <i>Water Research</i> , 1998, 32, 400-406.	11.3	89
38	Wastewater reclamation by advanced treatment of secondary effluents. <i>Desalination</i> , 2006, 195, 109-118.	8.2	84
39	Arsenic(III) and Arsenic(V) Removal from Solutions by Pyrite Fines. <i>Separation Science and Technology</i> , 1993, 28, 2449-2463.	2.5	81
40	The use of biosurfactants in flotation: application for the removal of metal ions. <i>Minerals Engineering</i> , 2003, 16, 1231-1236.	4.3	81
41	Removal of Cadmium from Dilute Solutions by Hydroxyapatite. II. Flotation Studies. <i>Separation Science and Technology</i> , 1997, 32, 1755-1767.	2.5	75
42	Use of red mud for toxic metals removal: The case of nickel. <i>Journal of Chemical Technology and Biotechnology</i> , 1993, 58, 95-101.	3.2	75
43	Influence of ozonation on the in vitro mutagenic and toxic potential of secondary effluents. <i>Water Research</i> , 2008, 42, 4929-4940.	11.3	75
44	Thermophilic anaerobic digestion of alcohol distillery wastewaters. <i>Bioresource Technology</i> , 1993, 43, 131-140.	9.6	74
45	Removal of Cr(VI), Mo(VI), and V(V) Ions from Single Metal Aqueous Solutions by Sorption or Nanofiltration. <i>Separation Science and Technology</i> , 2003, 38, 2201-2219.	2.5	73
46	Akaganeite and goethite-type nanocrystals: synthesis and characterization. <i>Microporous and Mesoporous Materials</i> , 2003, 59, 35-42.	4.4	72
47	Application of a membrane sequencing batch reactor for landfill leachate treatment. <i>Desalination</i> , 2008, 221, 483-493.	8.2	72
48	Polyferric silicate sulphate (PFSiS): Preparation, characterisation and coagulation behaviour. <i>Desalination</i> , 2008, 224, 307-316.	8.2	72
49	Removal of metal ions from dilute aqueous solutions: A comparative study of inorganic sorbent materials. <i>Chemosphere</i> , 1999, 39, 881-892.	8.2	71
50	Origin of hexavalent chromium in groundwater: The example of Sarigkiol Basin, Northern Greece. <i>Science of the Total Environment</i> , 2017, 593-594, 552-566.	8.0	70
51	Arsenic occurrence in Europe: emphasis in Greece and description of the applied full-scale treatment plants. <i>Desalination and Water Treatment</i> , 2015, 54, 2100-2107.	1.0	69
52	A systematic study for the characterization of a novel coagulant (polyaluminium silicate chloride). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 342, 30-39.	4.7	68
53	Removal of toxic metals from aqueous mixtures. Part 1: Biosorption. <i>Journal of Chemical Technology and Biotechnology</i> , 1999, 74, 429-436.	3.2	64
54	Polyaluminium silicate chloride—A systematic study for the preparation and application of an efficient coagulant for water or wastewater treatment. <i>Journal of Hazardous Materials</i> , 2009, 162, 1379-1389.	12.4	64

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55	Modelling the sorption of metals from aqueous solutions on goethite fixed-beds. <i>Environmental Pollution</i> , 2001, 113, 121-128.	7.5	63
56	Use of Iron- and Manganese-Oxidizing Bacteria for the Combined Removal of Iron, Manganese and Arsenic from Contaminated Groundwater. <i>Water Quality Research Journal of Canada</i> , 2006, 41, 117-129.	2.7	59
57	Vitrification of lead-rich solid ashes from incineration of hazardous industrial wastes. <i>Waste Management</i> , 2003, 23, 361-371.	7.4	58
58	Flotation of cadmium-loaded biomass. <i>Biotechnology and Bioengineering</i> , 1994, 44, 354-360.	3.3	57
59	Removal Of Cadmium From Dilute Solutions By Hydroxyapatite. I. Sorption Studies. <i>Separation Science and Technology</i> , 1995, 30, 2963-2978.	2.5	57
60	Removal of metal ions from dilute solutions by sorptive flotation. <i>Critical Reviews in Environmental Science and Technology</i> , 1997, 27, 195-235.	12.8	57
61	Removal of Molybdate and Arsenate from Aqueous Solutions by Flotation. <i>Separation Science and Technology</i> , 1996, 31, 769-785.	2.5	53
62	Sorption of As(V) by Goethite Particles and Study of Their Flocculation. <i>Water, Air, and Soil Pollution</i> , 1999, 111, 297-316.	2.4	53
63	Vibratory shear enhanced processing membrane filtration applied for the removal of natural organic matter from surface waters. <i>Journal of Membrane Science</i> , 2006, 269, 1-14.	8.2	53
64	Adsorbing Flotation of Copper Hydroxo Precipitates by Pyrite Fines. <i>Separation Science and Technology</i> , 1992, 27, 2143-2155.	2.5	52
65	Biosorption of Metals from Dilute Aqueous Solutions. <i>Separation and Purification Reviews</i> , 1997, 26, 255-295.	0.8	52
66	Alternative cost-effective preparation method of polyaluminium chloride (PAC) coagulant agent: Characterization and comparative application for water/wastewater treatment. <i>Desalination</i> , 2010, 250, 339-344.	8.2	51
67	Removal of toxic metal ions from aqueous systems by biosorptive flotation. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 958-964.	3.2	50
68	The application of sorptive flotation for the removal of metal ions. <i>Desalination</i> , 2004, 162, 159-168.	8.2	50
69	Removal of humic acids by flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 231, 181-193.	4.7	49
70	Enhanced As(III) oxidation and removal by combined use of zero valent iron and hydrogen peroxide in aerated waters at neutral pH values. <i>Journal of Hazardous Materials</i> , 2015, 297, 1-7.	12.4	49
71	Powdered Activated Carbon Separation from Water by Foam Flotation. <i>Separation Science and Technology</i> , 1994, 29, 385-400.	2.5	48
72	Comparison of single and dual media filtration in a full-scale drinking water treatment plant. <i>Desalination</i> , 2007, 213, 334-342.	8.2	48

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73	Removal of Toxic Metals by Biosorption onto Nonliving Sewage Sludge. <i>Separation Science and Technology</i> , 1996, 31, 1075-1092.	2.5	47
74	Diffusion Kinetic Study of Chromium(VI) Biosorption by <i>Aeromonas caviae</i> . <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 1748-1755.	3.7	46
75	Environmentally available hexavalent chromium in soils and sediments impacted by dispersed fly ash in Sarigkiol basin (Northern Greece). <i>Environmental Pollution</i> , 2018, 235, 632-641.	7.5	46
76	Calcium hydroxyapatites: evaluation of sorption properties for cadmium ions in aqueous solution. <i>Journal of Materials Science</i> , 1998, 33, 5433-5439.	3.7	45
77	Detoxification of a highly toxic lead-loaded industrial solid waste by stabilization using apatites. <i>Journal of Hazardous Materials</i> , 2003, 97, 173-191.	12.4	44
78	Metal biosorption by PAN-immobilized fungal biomass in simulated wastewaters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 212, 185-195.	4.7	44
79	Diffusion kinetic study of cadmium(II) biosorption by <i>Aeromonas caviae</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 711-719.	3.2	44
80	Preparation, characterisation and application of novel composite coagulants for surface water treatment. <i>Water Research</i> , 2011, 45, 3614-3626.	11.3	44
81	Cultivation, characterization, and properties of <i>Chlorella vulgaris</i> microalgae with different lipid contents and effect on fast pyrolysis oil composition. <i>Environmental Science and Pollution Research</i> , 2018, 25, 23018-23032.	5.3	44
82	The effect of influent temperature variations in a sedimentation tank for potable water treatment – A computational fluid dynamics study. <i>Water Research</i> , 2008, 42, 3405-3414.	11.3	43
83	Application of flotation for the separation of metal-loaded zeolites. <i>Chemosphere</i> , 2004, 55, 65-72.	8.2	42
84	Fluoride removal from water by composite Al/Fe/Si/Mg pre-polymerized coagulants: Characterization and application. <i>Chemosphere</i> , 2019, 231, 528-537.	8.2	42
85	Removal of Toxic Metal Ions from Solutions Using Industrial Solid Byproducts. <i>Water Science and Technology</i> , 1993, 27, 83-93.	2.5	41
86	Mechanism of SMP aggregation within the pores of hydrophilic and hydrophobic MBR membranes and aggregates detachment. <i>Separation and Purification Technology</i> , 2018, 202, 119-129.	7.9	41
87	Waste microbial biomass for cadmium ion removal: Application of flotation for downstream separation. <i>Bioresource Technology</i> , 1994, 49, 253-259.	9.6	40
88	Hybrid ozonation – microfiltration system for the treatment of surface water using ceramic membrane. <i>Journal of Membrane Science</i> , 2014, 468, 163-171.	8.2	40
89	Biosorptive flotation for metal ions recovery. <i>Water Science and Technology</i> , 2001, 43, 123-129.	2.5	39
90	Removal of Arsenic and Cadmium by Akaganeite Fixed-Beds. <i>Separation Science and Technology</i> , 2003, 38, 3967-3981.	2.5	39

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91	A hybrid flotation–microfiltration process for metal ions recovery. <i>Journal of Membrane Science</i> , 2005, 247, 29-35.	8.2	39
92	Cost evaluation for Se(IV) removal, by applying common drinking water treatment processes: Coagulation/precipitation or adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104209.	6.7	39
93	Persistent organic pollutants (POPs) in the conventional activated sludge treatment process: Model predictions against experimental values. <i>Chemosphere</i> , 2006, 65, 1634-1641.	8.2	38
94	Comparative Evaluation of Conventional and Alternative Methods for the Removal of Arsenic from Contaminated Groundwaters. <i>Reviews on Environmental Health</i> , 2006, 21, 25-41.	2.4	37
95	Comparison of Efficiency between Poly–aluminium Chloride and Aluminium Sulphate Coagulants during Full–scale Experiments in a Drinking Water Treatment Plant. <i>Separation Science and Technology</i> , 2008, 43, 1507-1519.	2.5	37
96	Development of bubble-less ozonation and membrane filtration process for the treatment of contaminated water. <i>Journal of Membrane Science</i> , 2015, 492, 40-47.	8.2	37
97	Effects of ozonation pretreatment on natural organic matter and wastewater derived organic matter – Possible implications on the formation of ozonation by-products. <i>Chemosphere</i> , 2017, 170, 33-40.	8.2	37
98	Performance Evaluation of Small Sized Powdered Ferric Hydroxide as Arsenic Adsorbent. <i>Water (Switzerland)</i> , 2018, 10, 957.	2.7	37
99	Ecotoxicological properties of wastewater treated using tertiary methods. <i>Environmental Toxicology</i> , 2006, 21, 417-424.	4.0	36
100	Removal of Arsenic, Chromium and Uranium from Water Sources by Novel Nanostructured Materials Including Graphene-Based Modified Adsorbents: A Mini Review of Recent Developments. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3241.	2.5	36
101	REMOVAL OF METAL IONS FROM SIMULATED WASTEWATER BY SACCHAROMYCES YEAST BIOMASS: COMBINING BIOSORPTION AND FLOTATION PROCESSES. <i>Separation Science and Technology</i> , 2001, 36, 349-365.	2.5	35
102	Reductive precipitation and removal of Cr(VI) from groundwaters by pipe flocculation-microfiltration. <i>Environmental Science and Pollution Research</i> , 2018, 25, 12256-12262.	5.3	35
103	A CFD-based simulation study of a large scale flocculation tank for potable water treatment. <i>Chemical Engineering Journal</i> , 2010, 162, 208-216.	12.7	34
104	Application of a ceramic membrane contacting process for ozone and peroxone treatment of micropollutant contaminated surface water. <i>Journal of Hazardous Materials</i> , 2018, 358, 129-135.	12.4	34
105	Silver recovery from aqueous streams using ion flotation. <i>Minerals Engineering</i> , 1995, 8, 1477-1488.	4.3	33
106	Toxic metals removal from waste waters by upflow filtration with floating filter medium. I. The case of zinc. <i>Separation Science and Technology</i> , 2002, 37, 403-416.	2.5	33
107	Fouling control in a lab-scale MBR system: Comparison of several commercially applied coagulants. <i>Journal of Environmental Management</i> , 2017, 203, 838-846.	7.8	33
108	Batch and continuous dosing of conventional and composite coagulation agents for fouling control in a pilot-scale MBR. <i>Chemical Engineering Journal</i> , 2017, 311, 255-264.	12.7	33

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109	Enzymatic treatment of sanitary landfill leachate. <i>Chemosphere</i> , 2001, 44, 1103-1108.	8.2	32
110	Sonochemical decomposition of natural polyphenolic compound (condensed tannin). <i>Chemosphere</i> , 2004, 56, 981-987.	8.2	32
111	Comparative study of As(V) removal by ferric coagulation and oxy-hydroxides adsorption: laboratory and full-scale case studies. <i>Desalination and Water Treatment</i> , 2013, 51, 2872-2880.	1.0	32
112	Vitrification of incinerated tannery sludge in silicate matrices for chromium stabilization. <i>Waste Management</i> , 2017, 59, 237-246.	7.4	32
113	Separation of germanium and arsenic from solutions by flotation. <i>International Journal of Mineral Processing</i> , 1987, 21, 83-92.	2.6	31
114	Metal biosorption-flotation. Application to cadmium removal. <i>Applied Microbiology and Biotechnology</i> , 1996, 45, 569-573.	3.6	31
115	Comparable evaluation of various commercially available aluminium-based coagulants for the treatment of surface water and for the post-treatment of urban wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 1136-1147.	3.2	31
116	A new set of water losses-related performance indicators focused on areas facing water scarcity conditions. <i>Desalination and Water Treatment</i> , 2013, 51, 2994-3010.	1.0	31
117	The application of novel coagulant reagent (polyaluminium silicate chloride) for the post-treatment of landfill leachates. <i>Chemosphere</i> , 2008, 73, 729-736.	8.2	30
118	Toxicological and ecotoxic impact of secondary and tertiary treated sewage effluents. <i>Water Research</i> , 2009, 43, 5063-5074.	11.3	30
119	Chemical toxicity and ecotoxicity evaluation of tannery sludge stabilized with ladle furnace slag. <i>Journal of Environmental Management</i> , 2018, 216, 257-262.	7.8	30
120	Foam Flotation of Zeolites: Application for Zinc Ion Removal. <i>Separation Science and Technology</i> , 1991, 26, 355-365.	2.5	28
121	Performance of VSEP vibratory membrane filtration system during the treatment of landfill leachates. <i>Desalination</i> , 2008, 222, 165-175.	8.2	28
122	Evaluation of leaching and ecotoxicological properties of sewage sludge-fly ash mixtures. <i>Environmental Research</i> , 2008, 106, 340-348.	7.5	28
123	Theoretical assessment of phosphate amendments for stabilization of (Pb+Zn) in polluted soil. <i>Waste Management</i> , 2009, 29, 1779-1784.	7.4	28
124	Synthesis, characterization and coagulation behavior of a composite coagulation reagent by the combination of polyferric sulfate (PFS) and cationic polyelectrolyte. <i>Separation and Purification Technology</i> , 2012, 96, 263-273.	7.9	28
125	Ozone Mass Transfer Studies in a Hydrophobized Ceramic Membrane Contactor: Experiments and Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 7587-7597.	3.7	28
126	Novel Water Treatment Processes Based on Hybrid Membrane-Ozonation Systems: A Novel Ceramic Membrane Contactor for Bubbleless Ozonation of Emerging Micropollutants. <i>Journal of Chemistry</i> , 2015, 2015, 1-12.	1.9	27

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127	Chromium and energy recovery from tannery wastewater treatment waste: Investigation of major mechanisms in the framework of circular economy. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103307.	6.7	27
128	As(III) removal from aqueous solutions using non-stoichiometric coprecipitation with iron(III) sulphate and filtration or flotation. <i>Environmental Pollution</i> , 1994, 83, 283-289.	7.5	26
129	Removal of cadmium from dilute solutions by flotation. <i>Water Science and Technology</i> , 1995, 31, 315.	2.5	26
130	Sorptive flotation for metal ions recovery. <i>International Journal of Mineral Processing</i> , 2003, 70, 99-108.	2.6	26
131	Production of demineralized water for use in thermal power stations by advanced treatment of secondary wastewater effluent. <i>Journal of Environmental Management</i> , 2017, 190, 132-139.	7.8	26
132	Biomass Characteristics and Their Effect on Membrane Bioreactor Fouling. <i>Molecules</i> , 2019, 24, 2867.	3.8	26
133	Ion flotation in environmental technology. <i>Chemosphere</i> , 1987, 16, 623-631.	8.2	25
134	Parameters influencing flotation in removal of metal ions. <i>International Journal of Environmental Studies</i> , 1990, 35, 183-196.	1.6	25
135	Biosorptive Flotation in Metal Ions Recovery. <i>Separation Science and Technology</i> , 1994, 29, 1055-1071.	2.5	25
136	Novel inorganic-organic composite coagulants based on aluminium. <i>Desalination and Water Treatment</i> , 2010, 13, 340-347.	1.0	25
137	Hybrid membrane processes for the treatment of surface water and mitigation of membrane fouling. <i>Separation and Purification Technology</i> , 2014, 137, 43-52.	7.9	25
138	Pilot-Scale Phosphate Recovery from Secondary Wastewater Effluents. <i>Environmental Processes</i> , 2016, 3, 5-22.	3.5	25
139	The use of Sn(II) oxy-hydroxides for the effective removal of Cr(VI) from water: Optimization of synthesis parameters. <i>Science of the Total Environment</i> , 2017, 605-606, 190-198.	8.0	25
140	Removal of metal ions from wastewaters. The case of nickel. <i>Environmental Technology (United Kingdom)</i> , 2000, 21, 1079-1084.	2.2	24
141	Recovery of Co ²⁺ Ions from Aqueous Solutions by Froth Flotation. <i>Separation Science and Technology</i> , 1994, 29, 867-886.	2.5	24
142	Synthesis and coagulation performance of composite poly-aluminum-ferric-silicate-chloride coagulants in water and wastewater. <i>Desalination and Water Treatment</i> , 2015, 53, 3309-3318.	1.0	24
143	Removal of Antimony Species, Sb(III)/Sb(V), from Water by Using Iron Coagulants. <i>Water (Switzerland)</i> , 2018, 10, 1328.	2.7	24
144	Removal of As(V) Ions from Solution by Akaganeite bgr-FeO(OH) Nanocrystals. <i>Journal of Mining Science</i> , 2003, 39, 287-296.	0.6	23

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145	Assessing the performance of urban water networks across the EU Mediterranean area: The paradox of high NRW levels and absence of respective reduction measures. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 939-950.	2.1	23
146	Heterogeneous catalytic ozonation: The significant contribution of PZC value and wettability of the catalysts. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106173.	6.7	23
147	The effect of coagulation on the toxicity and mutagenicity of reclaimed municipal effluents. <i>Chemosphere</i> , 2006, 65, 1007-1018.	8.2	22
148	Enhanced U(VI) removal from drinking water by nanostructured binary Fe/Mn oxy-hydroxides. <i>Journal of Water Process Engineering</i> , 2015, 7, 227-236.	5.6	22
149	Metal biosorption-flotation. Application to cadmium removal. <i>Applied Microbiology and Biotechnology</i> , 1996, 45, 569-73.	3.6	22
150	Heavy Metals Removal by Biosorption and Flotation. <i>Water, Air and Soil Pollution</i> , 2003, 3, 143-151.	0.8	21
151	Treatment of Tannery Wastewater with Vibratory Shear-Enhanced Processing Membrane Filtration. <i>Separations</i> , 2019, 6, 20.	2.4	21
152	Efficiency of Iron-Based Oxy-Hydroxides in Removing Antimony from Groundwater to Levels below the Drinking Water Regulation Limits. <i>Sustainability</i> , 2017, 9, 238.	3.2	20
153	Use of Novel Composite Coagulants for Arsenic Removal from Waters – Experimental Insight for the Application of Polyferric Sulfate (PFS). <i>Sustainability</i> , 2017, 9, 590.	3.2	20
154	Catalytic Ozonation and Membrane Contactors – A Review Concerning Fouling Occurrence and Pollutant Removal. <i>Water (Switzerland)</i> , 2020, 12, 2964.	2.7	20
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