

# Mika Sillanp

## List of Publications by Citations

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968  
papers

40,874  
citations

94  
h-index

164  
g-index

1,005  
ext. papers

49,186  
ext. citations

6.7  
avg, IF

8.45  
L-index

#	Paper	IF	Citations
968	Natural organic matter removal by coagulation during drinking water treatment: a review. <i>Advances in Colloid and Interface Science</i> , <b>2010</b> , 159, 189-97	14.3	796
967	Utilization of agro-industrial and municipal waste materials as potential adsorbents for water treatment—A review. <i>Chemical Engineering Journal</i> , <b>2010</b> , 157, 277-296	14.7	779
966	Fluoride removal from water by adsorption—A review. <i>Chemical Engineering Journal</i> , <b>2011</b> , 171, 811-840	14.7	735
965	Water purification using magnetic assistance: a review. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 180, 38-49	12.8	704
964	Electrokinetic soil remediation—critical overview. <i>Science of the Total Environment</i> , <b>2002</b> , 289, 97-121	10.2	634
963	An overview of the modification methods of activated carbon for its water treatment applications. <i>Chemical Engineering Journal</i> , <b>2013</b> , 219, 499-511	14.7	614
962	A review on modification methods to cellulose-based adsorbents to improve adsorption capacity. <i>Water Research</i> , <b>2016</b> , 91, 156-73	12.5	582
961	Heterogeneous water phase catalysis as an environmental application: a review. <i>Chemosphere</i> , <b>2002</b> , 48, 1047-60	8.4	526
960	Applications of chitin- and chitosan-derivatives for the detoxification of water and wastewater—a short review. <i>Advances in Colloid and Interface Science</i> , <b>2009</b> , 152, 26-38	14.3	503
959	A review of emerging adsorbents for nitrate removal from water. <i>Chemical Engineering Journal</i> , <b>2011</b> , 168, 493-504	14.7	493
958	Tansy fruit mediated greener synthesis of silver and gold nanoparticles. <i>Process Biochemistry</i> , <b>2010</b> , 45, 1065-1071	4.8	463
957	Removal of natural organic matter from drinking water by advanced oxidation processes. <i>Chemosphere</i> , <b>2010</b> , 80, 351-65	8.4	454
956	An overview of the methods used in the characterisation of natural organic matter (NOM) in relation to drinking water treatment. <i>Chemosphere</i> , <b>2011</b> , 83, 1431-42	8.4	445
955	Occurrence, identification and removal of microplastic particles and fibers in conventional activated sludge process and advanced MBR technology. <i>Water Research</i> , <b>2018</b> , 133, 236-246	12.5	437
954	Agricultural waste peels as versatile biomass for water purification—A review. <i>Chemical Engineering Journal</i> , <b>2015</b> , 270, 244-271	14.7	426
953	Preparation and characterization of a novel chitosan/Al <sub>2</sub> O <sub>3</sub> /magnetite nanoparticles composite adsorbent for kinetic, thermodynamic and isotherm studies of Methyl Orange adsorption. <i>Chemical Engineering Journal</i> , <b>2015</b> , 259, 1-10	14.7	344
952	Removal of natural organic matter in drinking water treatment by coagulation: A comprehensive review. <i>Chemosphere</i> , <b>2018</b> , 190, 54-71	8.4	337

951	Fate of diclofenac in municipal wastewater treatment plant - a review. <i>Environment International</i> , <b>2014</b> , 69, 28-39	12.9	334
950	Adsorption of Co(II) and Ni(II) by EDTA- and/or DTPA-modified chitosan: Kinetic and equilibrium modeling. <i>Chemical Engineering Journal</i> , <b>2010</b> , 161, 73-82	14.7	316
949	As(V) adsorption on maghemite nanoparticles. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 166, 1415-20	12.8	314
948	EDTA-Cross-Linked $\beta$ -Cyclodextrin: An Environmentally Friendly Bifunctional Adsorbent for Simultaneous Adsorption of Metals and Cationic Dyes. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 10570-80	10.3	303
947	The role of nanomaterials as effective adsorbents and their applications in wastewater treatment. <i>Journal of Nanostructure in Chemistry</i> , <b>2017</b> , 7, 1-14	7.6	299
946	Nanoadsorbents based on conducting polymer nanocomposites with main focus on polyaniline and its derivatives for removal of heavy metal ions/dyes: A review. <i>Environmental Research</i> , <b>2018</b> , 162, 173-195	7.9	291
945	Green synthesis and characterizations of silver and gold nanoparticles using leaf extract of <i>Rosa rugosa</i> . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2010</b> , 364, 34-41	5.1	287
944	Atmospheric microplastics: A review on current status and perspectives. <i>Earth-Science Reviews</i> , <b>2020</b> , 203, 103118	10.2	286
943	Recent advancement in biodiesel production methodologies using various feedstock: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 90, 356-369	16.2	284
942	A review of bio-based materials for oil spill treatment. <i>Water Research</i> , <b>2018</b> , 135, 262-277	12.5	282
941	Adsorptive removal of cobalt from aqueous solution by utilizing lemon peel as biosorbent. <i>Biochemical Engineering Journal</i> , <b>2010</b> , 48, 181-186	4.2	253
940	A critical review on application of photocatalysis for toxicity reduction of real wastewaters. <i>Journal of Cleaner Production</i> , <b>2020</b> , 258, 120694	10.3	250
939	Recent developments of electro-oxidation in water treatment [A review]. <i>Journal of Electroanalytical Chemistry</i> , <b>2015</b> , 754, 46-56	4.1	243
938	Increased biogas production at wastewater treatment plants through co-digestion of sewage sludge with grease trap sludge from a meat processing plant. <i>Bioresource Technology</i> , <b>2009</b> , 100, 79-85	11	232
937	Removal of heavy metals from aqueous solutions by succinic anhydride modified mercerized nanocellulose. <i>Chemical Engineering Journal</i> , <b>2013</b> , 223, 40-47	14.7	221
936	Heavy metals adsorption by novel EDTA-modified chitosan-silica hybrid materials. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 358, 261-7	9.3	221
935	A review on catalytic applications of Au/TiO <sub>2</sub> nanoparticles in the removal of water pollutant. <i>Chemosphere</i> , <b>2014</b> , 107, 163-174	8.4	217
934	Nitrate removal from water by nano-alumina: Characterization and sorption studies. <i>Chemical Engineering Journal</i> , <b>2010</b> , 163, 317-323	14.7	195

933	Methods for preparation and activation of activated carbon: a review. <i>Environmental Chemistry Letters</i> , <b>2020</b> , 18, 393-415	13.3	192
932	Advanced oxidation processes for the removal of natural organic matter from drinking water sources: A comprehensive review. <i>Journal of Environmental Management</i> , <b>2018</b> , 208, 56-76	7.9	188
931	Nanoparticles in electrochemical sensors for environmental monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2011</b> , 30, 1704-1715	14.6	186
930	Ion mobility spectrometry and its applications in detection of chemical warfare agents. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 9594-600	7.8	185
929	Removal of natural organic matter (NOM) and its constituents from water by adsorption - A review. <i>Chemosphere</i> , <b>2017</b> , 166, 497-510	8.4	181
928	Bioprospective of <i>Sorbus aucuparia</i> leaf extract in development of silver and gold nanocolloids. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 80, 26-33	6	181
927	Defluoridation from aqueous solutions by nano-alumina: characterization and sorption studies. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 1042-9	12.8	179
926	Adsorption of Ni(II), Cu(II) and Cd(II) from aqueous solutions by amino modified nanostructured microfibrillated cellulose. <i>Cellulose</i> , <b>2014</b> , 21, 1471-1487	5.5	173
925	Calcium hydroxyapatite microfibrillated cellulose composite as a potential adsorbent for the removal of Cr(VI) from aqueous solution. <i>Chemical Engineering Journal</i> , <b>2016</b> , 283, 445-452	14.7	172
924	Application of nanotechnologies for removing pharmaceutically active compounds from water: development and future trends. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 27-47	7.1	162
923	Aminopolycarboxylic acid functionalized adsorbents for heavy metals removal from water. <i>Water Research</i> , <b>2013</b> , 47, 4812-32	12.5	162
922	Emerging adsorptive removal of azo dye by metal-organic frameworks. <i>Chemosphere</i> , <b>2016</b> , 160, 30-44	8.4	159
921	Recent advances in using of chitosan-based adsorbents for removal of pharmaceutical contaminants: A review. <i>Journal of Cleaner Production</i> , <b>2021</b> , 291, 125880	10.3	155
920	Fate of engineered nanoparticles: Implications in the environment. <i>Coordination Chemistry Reviews</i> , <b>2015</b> , 287, 64-78	23.2	153
919	Stability of 5,5-dimethyl-1-pyrroline-N-oxide as a spin-trap for quantification of hydroxyl radicals in processes based on Fenton reaction. <i>Water Research</i> , <b>2016</b> , 99, 24-32	12.5	151
918	Adsorption of Cd(II) and Pb(II) by a novel EGTA-modified chitosan material: kinetics and isotherms. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 409, 174-82	9.3	149
917	Ultraviolet light-emitting diodes in water disinfection. <i>Environmental Science and Pollution Research</i> , <b>2009</b> , 16, 439-42	5.1	148
916	Degradation of chelating agents in aqueous solution using advanced oxidation process (AOP). <i>Chemosphere</i> , <b>2011</b> , 83, 1443-60	8.4	147

915	Removal of Co(II) and Ni(II) ions from contaminated water using silica gel functionalized with EDTA and/or DTPA as chelating agents. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 171, 1071-80	12.8	147
914	Parthenolide, a sesquiterpene lactone, expresses multiple anti-cancer and anti-inflammatory activities. <i>Inflammation</i> , <b>2012</b> , 35, 560-5	5.1	146
913	An EDTA-β-cyclodextrin material for the adsorption of rare earth elements and its application in preconcentration of rare earth elements in seawater. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 465, 215-24	9.3	145
912	Tin dioxide as a photocatalyst for water treatment: A review. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 107, 190-205	5.5	143
911	A comparative study on the basis of adsorption capacity between CNTs and activated carbon as adsorbents for removal of noxious synthetic dyes: a review. <i>Journal of Nanostructure in Chemistry</i> , <b>2015</b> , 5, 227-236	7.6	143
910	Self-assembled mesoporous hierarchical-like In <sub>2</sub> S <sub>3</sub> hollow microspheres composed of nanofibers and nanosheets and their photocatalytic activity. <i>Langmuir</i> , <b>2011</b> , 27, 5534-41	4	142
909	Modeling biogas production from organic fraction of MSW co-digested with MSWI ashes in anaerobic bioreactors. <i>Bioresource Technology</i> , <b>2010</b> , 101, 6329-35	11	140
908	Polyethylenimine-cross-linked cellulose nanocrystals for highly efficient recovery of rare earth elements from water and a mechanism study. <i>Green Chemistry</i> , <b>2017</b> , 19, 4816-4828	10	135
907	Organic, elemental and inorganic carbon in particulate matter of six urban environments in Europe. <i>Atmospheric Chemistry and Physics</i> , <b>2005</b> , 5, 2869-2879	6.8	132
906	Water quality in the Tibetan Plateau: major ions and trace elements in the headwaters of four major Asian rivers. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 6242-54	10.2	131
905	MIL-101(Fe)/g-C <sub>3</sub> N <sub>4</sub> for enhanced visible-light-driven photocatalysis toward simultaneous reduction of Cr(VI) and oxidation of bisphenol A in aqueous media. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 272, 119033	21.8	131
904	Removal of natural organic matter (NOM) from water by ion exchange - A review. <i>Chemosphere</i> , <b>2018</b> , 192, 90-104	8.4	129
903	Magnetic Field Application and its Potential in Water and Wastewater Treatment Systems. <i>Separation and Purification Reviews</i> , <b>2014</b> , 43, 206-240	7.3	127
902	Recent advances in removal techniques of Cr(VI) toxic ion from aqueous solution: A comprehensive review. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 329, 115062	6	127
901	Understanding the factors affecting the adsorption of Lanthanum using different adsorbents: A critical review. <i>Chemosphere</i> , <b>2018</b> , 204, 413-430	8.4	126
900	Carbon-based quantum particles: an electroanalytical and biomedical perspective. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 4281-4316	58.5	119
899	A comparative experimental study on methyl orange degradation by electrochemical oxidation on BDD and MMO electrodes. <i>Separation and Purification Technology</i> , <b>2011</b> , 78, 290-297	8.3	118
898	Green Synthesis of Magnetic EDTA- and/or DTPA-Cross-Linked Chitosan Adsorbents for Highly Efficient Removal of Metals. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 1271-1281	3.9	116

897	Water quality in the Tibetan Plateau: metal contents of four selected rivers. <i>Environmental Pollution</i> , <b>2008</b> , 156, 270-7	9.3	116
896	Novel 1-butyl-3-methylimidazolium bromide impregnated chitosan hydrogel beads nanostructure as an efficient nanobio-adsorbent for cationic dye removal: Kinetic study. <i>Environmental Research</i> , <b>2021</b> , 195, 110809	7.9	116
895	Electrochemical methods for the removal of anionic contaminants from water [A review]. <i>Separation and Purification Technology</i> , <b>2014</b> , 132, 252-271	8.3	115
894	Degradation and mineralization of phenol in aqueous medium by heterogeneous monopersulfate activation on nanostructured cobalt based-perovskite catalysts ACoO <sub>3</sub> (A = La, Ba, Sr and Ce): Characterization, kinetics and mechanism study. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 215, 60-73	21.8	114
893	Development of iron oxide/activated carbon nanoparticle composite for the removal of Cr(VI), Cu(II) and Cd(II) ions from aqueous solution. <i>Water Resources and Industry</i> , <b>2018</b> , 20, 54-74	4.5	114
892	Facile Fabrication of Tunable Bi <sub>2</sub> O <sub>3</sub> Self-Assembly and Its Visible Light Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 12906-12915	3.8	113
891	Force and EMG power spectrum during eccentric and concentric actions. <i>Medicine and Science in Sports and Exercise</i> , <b>2000</b> , 32, 1757-62	1.2	113
890	Removal of arsenic(V) by magnetic nanoparticle activated microfibrillated cellulose. <i>Chemical Engineering Journal</i> , <b>2015</b> , 260, 886-894	14.7	108
889	Membrane purification in radioactive waste management: a short review. <i>Journal of Environmental Radioactivity</i> , <b>2012</b> , 105, 76-84	2.4	108
888	Optimized removal of antibiotic drugs from aqueous solutions using single, double and multi-walled carbon nanotubes. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 298, 102-10	12.8	108
887	The Thermoelectric Performance of Poly(3,4-ethylenedi oxythiophene)/Poly(4-styrenesulfonate) Thin Films. <i>Journal of Electronic Materials</i> , <b>2009</b> , 38, 1182-1188	1.9	105
886	Ion spectrometric detection technologies for ultra-traces of explosives: a review. <i>Mass Spectrometry Reviews</i> , <b>2011</b> , 30, 940-73	11	101
885	Facile Construction of Heterostructured BiVO <sub>4</sub> /ZnO and Its Dual Application of Greater Solar Photocatalytic Activity and Self-Cleaning Property. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 8346-8356	3.9	100
884	Synthesis and application of LDH intercalated cellulose nanocomposite for separation of rare earth elements (REEs). <i>Chemical Engineering Journal</i> , <b>2017</b> , 309, 130-139	14.7	99
883	Nanoadsorbents for Remediation of Aquatic Environment: Local and Practical Solutions for Global Water Pollution Problems. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2012</b> , 42, 1233-1295 <sup>11.1</sup>	11.1	99
882	Versatile Cellulose-Based Carbon Aerogel for the Removal of Both Cationic and Anionic Metal Contaminants from Water. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25875-83	9.5	97
881	Meso- and microporous soft templated hydrothermal carbons for dye removal from water. <i>Green Chemistry</i> , <b>2016</b> , 18, 1137-1146	10	97
880	Recent developments in photochemical and chemical AOPs in water treatment: a mini-review. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2010</b> , 9, 323-330	13.9	97

879	Assessing the impact of complexation by EDTA and DTPA on heavy metal toxicity using microtox bioassay. <i>Chemosphere</i> , <b>1996</b> , 32, 1485-1497	8.4	97
878	Chemical composition of aerosol during particle formation events in boreal forest. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2001</b> , 53, 380-393	3.3	97
877	Importance of atmospheric transport for microplastics deposited in remote areas. <i>Environmental Pollution</i> , <b>2019</b> , 254, 112953	9.3	94
876	Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> @EDTA nanoparticles as an efficient adsorbent for simultaneous removal of Ag(I), Hg(II), Mn(II), Zn(II), Pb(II) and Cd(II) from water and soil environmental samples. <i>Microchemical Journal</i> , <b>2017</b> , 131, 51-56	4.8	94
875	Degradation of EDTA and novel complexing agents in pulp and paper mill process and waste waters by Fenton's reagent. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 147, 556-61	12.8	94
874	Atmospheric Mercury Depositional Chronology Reconstructed from Lake Sediments and Ice Core in the Himalayas and Tibetan Plateau. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 2859-69	10.3	93
873	Ion mobility spectrometers with doped gases. <i>Talanta</i> , <b>2008</b> , 76, 978-87	6.2	92
872	Green synthesis of magnesium oxide nanoflower and its application for the removal of divalent metallic species from synthetic wastewater. <i>Ceramics International</i> , <b>2015</b> , 41, 6702-6709	5.1	90
871	Application of UV-C LED activated PMS for the degradation of anatoxin-a. <i>Chemical Engineering Journal</i> , <b>2016</b> , 284, 122-129	14.7	89
870	Adsorption of Ni <sup>2+</sup> , Cd <sup>2+</sup> , PO <sub>4</sub> <sup>3-</sup> and NO <sub>3</sub> <sup>-</sup> from aqueous solutions by nanostructured microfibrillated cellulose modified with carbonated hydroxyapatite. <i>Chemical Engineering Journal</i> , <b>2014</b> , 252, 64-74	14.7	88
869	Polyacrylamide@Zr(IV) vanadophosphate nanocomposite: Ion exchange properties, antibacterial activity, and photocatalytic behavior. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2016</b> , 33, 201-208	6.3	87
868	Synthesis of graphene-carbon sphere hybrid aerogel with silver nanoparticles and its catalytic and adsorption applications. <i>Chemical Engineering Journal</i> , <b>2014</b> , 244, 160-167	14.7	86
867	Design and engineering heterojunctions for the photoelectrochemical monitoring of environmental pollutants: A review. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 248, 405-422	21.8	85
866	Cauliflower-like CdS microspheres composed of nanocrystals and their physicochemical properties. <i>Langmuir</i> , <b>2011</b> , 27, 352-8	4	85
865	The pH sensitive properties of carboxymethyl chitosan nanoparticles cross-linked with calcium ions. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 153, 229-236	6	84
864	Artemisia vulgaris-derived mesoporous honeycomb-shaped activated carbon for ibuprofen adsorption. <i>Chemical Engineering Journal</i> , <b>2010</b> , 165, 537-544	14.7	84
863	Recent Developments in Homogeneous Advanced Oxidation Processes for Water and Wastewater Treatment. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-21	2.1	83
862	Sewage Sludge Electro-Dewatering Treatment—A Review. <i>Drying Technology</i> , <b>2012</b> , 30, 691-706	2.6	83

861	Electrode materials used for electrochemical oxidation of organic compounds in wastewater. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2017</b> , 16, 223-238	13.9	80
860	Adsorption kinetics, isotherms and mechanisms of Cd(II), Pb(II), Co(II) and Ni(II) by a modified magnetic polyacrylamide microcomposite adsorbent. <i>Journal of Water Process Engineering</i> , <b>2014</b> , 4, 47-57	6.7	80
859	Controlled Fabrication of $\beta$ -GaOOH and $\beta$ -Ga <sub>2</sub> O <sub>3</sub> Self-Assembly and Its Superior Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 44-53	3.8	79
858	Interaction of anionic pollutants with Al-based adsorbents in aqueous media [A review]. <i>Chemical Engineering Journal</i> , <b>2014</b> , 241, 443-456	14.7	76
857	Natural Organic Matter Removal from Drinking Water by Membrane Technology. <i>Separation and Purification Reviews</i> , <b>2014</b> , 43, 1-61	7.3	76
856	Biological processes for treatment of landfill leachate. <i>Journal of Environmental Monitoring</i> , <b>2010</b> , 12, 2032-47		76
855	Effect of metal ions adsorption on the efficiency of methylene blue degradation onto MgFe <sub>2</sub> O <sub>4</sub> as Fenton-like catalysts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 571, 17-26	5.1	75
854	Sulfate radical-mediated degradation and mineralization of bisphenol F in neutral medium by the novel magnetic Sr <sub>2</sub> CoFeO <sub>6</sub> double perovskite oxide catalyzed peroxymonosulfate: Influence of co-existing chemicals and UV irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 233, 99-111	21.8	75
853	Light-absorbing impurities enhance glacier albedo reduction in the southeastern Tibetan plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 6915-6933	4.4	75
852	Enrichment of lanthanides in aqueous system by cellulose based silica nanocomposite. <i>Chemical Engineering Journal</i> , <b>2017</b> , 320, 151-159	14.7	74
851	Overview of technologies for removal of methyl tert-butyl ether (MTBE) from water. <i>Science of the Total Environment</i> , <b>2014</b> , 476-477, 415-33	10.2	74
850	Bacterial mer operon-mediated detoxification of mercurial compounds: a short review. <i>Archives of Microbiology</i> , <b>2011</b> , 193, 837-44	3	74
849	Inflammation and tissue damage in mouse lung by single and repeated dosing of urban air coarse and fine particles collected from six European cities. <i>Inhalation Toxicology</i> , <b>2010</b> , 22, 402-16	2.7	74
848	Soy protein directed hydrothermal synthesis of porous carbon aerogels for electrocatalytic oxygen reduction. <i>Carbon</i> , <b>2016</b> , 96, 622-630	10.4	73
847	Concentrations and light absorption characteristics of carbonaceous aerosol in PM 2.5 and PM 10 of Lhasa city, the Tibetan Plateau. <i>Atmospheric Environment</i> , <b>2016</b> , 127, 340-346	5.3	73
846	Removal of recalcitrant contaminants from bleaching effluents in pulp and paper mills using ultrasonic irradiation and Fenton-like oxidation, electrochemical treatment, and/or chemical precipitation: A comparative study. <i>Desalination</i> , <b>2010</b> , 255, 179-187	10.3	73
845	Enhanced photocatalytic activity of anatase-TiO <sub>2</sub> nanoparticles by fullerene modification: A theoretical and experimental study. <i>Applied Surface Science</i> , <b>2016</b> , 387, 750-758	6.7	73
844	Removal of carbamazepine from MBR effluent by electrochemical oxidation (EO) using a Ti/Ta <sub>2</sub> O <sub>5</sub> -SnO <sub>2</sub> electrode. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 221, 329-338	21.8	72



843	Ionic liquid-based water treatment technologies for organic pollutants: Current status and future prospects of ionic liquid mediated technologies. <i>Science of the Total Environment</i> , <b>2019</b> , 690, 604-619	10.2	72
842	Fabrication and characterization of sodium dodecyl sulphate@iron-silicophosphate nanocomposite: Ion exchange properties and selectivity for binary metal ions. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 193, 129-139	4.4	71
841	Concentrations of trace elements in wet deposition over the central Himalayas, Nepal. <i>Atmospheric Environment</i> , <b>2014</b> , 95, 231-238	5.3	71
840	Optimized removal of oxytetracycline and cadmium from contaminated waters using chemically-activated and pyrolyzed biochars from forest and wood-processing residues. <i>Bioresource Technology</i> , <b>2017</b> , 239, 28-36	11	70
839	Reactivity of novel Ceria/Perovskite composites CeO <sub>2</sub> -LaMO <sub>3</sub> (MCu, Fe) in the catalytic wet peroxidative oxidation of the new emergent pollutant Bisphenol A: Characterization, kinetic and mechanism studies. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 218, 119-136	21.8	70
838	The use of low-cost adsorbents for wastewater purification in mining industries. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 7878-99	5.1	70
837	Capture of Co(II) from its aqueous EDTA-chelate by DTPA-modified silica gel and chitosan. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 187, 122-32	12.8	70
836	Acid mine drainage (AMD) treatment: Neutralization and toxic elements removal with unmodified and modified limestone. <i>Ecological Engineering</i> , <b>2015</b> , 81, 30-40	3.9	69
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162	Modification of photocatalyst with enhanced photocatalytic activity for water treatment <b>2020</b> , 289-366		3
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122	Ultrasound-assisted electrochemical treatment of wastewaters containing organic pollutants by using novel Ti/Ta <sub>2</sub> O <sub>5</sub> /SnO <sub>2</sub> electrodes <b>2020</b> , 79-161		2
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91	Sol-gel synthesized titanosilicates for the uptake of radionuclides <b>2020</b> , 361-444		1
90	Sewage sludge electro-dewatering <b>2020</b> , 163-225		1
89	Electrooxidation treatment of pulp and paper mill circulating waters and wastewaters <b>2020</b> , 311-362		1
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