

# Yoon-Seok Chang

## List of Publications by Citations

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212  
papers

8,099  
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51  
h-index

77  
g-index

212  
ext. papers

9,035  
ext. citations

8.3  
avg, IF

6.26  
L-index

#	Paper	IF	Citations
212	Facile Synthesis and Characterization of Fe/FeS Nanoparticles for Environmental Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 1457-62	9.5	259
211	Hierarchically structured manganese oxide-coated magnetic nanocomposites for the efficient removal of heavy metal ions from aqueous systems. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 9628-34	8.5	256
210	Decolorization of reactive dyes by a thermostable laccase produced by <i>Ganoderma lucidum</i> in solid state culture. <i>Enzyme and Microbial Technology</i> , <b>2007</b> , 40, 1662-1672	3.8	203
209	Photocatalytic Degradation of Polychlorinated Dibenzo-p-dioxins on TiO <sub>2</sub> Film under UV or Solar Light Irradiation. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 4810-4815	10.3	175
208	Magnetite graphene oxide encapsulated in alginate beads for enhanced adsorption of Cr(VI) and As(V) from aqueous solutions: Role of crosslinking metal cations in pH control. <i>Chemical Engineering Journal</i> , <b>2017</b> , 307, 220-229	14.7	165
207	Association of low-dose exposure to persistent organic pollutants with global DNA hypomethylation in healthy Koreans. <i>Environmental Health Perspectives</i> , <b>2010</b> , 118, 370-4	8.4	156
206	Effects of forest fire on the level and distribution of PCDD/Fs and PAHs in soil. <i>Science of the Total Environment</i> , <b>2003</b> , 311, 177-89	10.2	151
205	Laccase-catalysed oxidations of naturally occurring phenols: from in vivo biosynthetic pathways to green synthetic applications. <i>Microbial Biotechnology</i> , <b>2012</b> , 5, 318-32	6.3	147
204	Passive air sampling of polychlorinated biphenyls and organochlorine pesticides at the Korean Arctic and Antarctic research stations: implications for long-range transport and local pollution. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 7125-31	10.3	141
203	Exposure of iron nanoparticles to <i>Arabidopsis thaliana</i> enhances root elongation by triggering cell wall loosening. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 3477-85	10.3	139
202	Decolourization of reactive black 5 by laccase: Optimization by response surface methodology. <i>Dyes and Pigments</i> , <b>2007</b> , 75, 176-184	4.6	128
201	Rapid dechlorination of polychlorinated dibenzo-p-dioxins by bimetallic and nanosized zerovalent iron. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 4106-12	10.3	119
200	Effect of metal ions on reactive dye decolorization by laccase from <i>Ganoderma lucidum</i> . <i>Journal of Hazardous Materials</i> , <b>2009</b> , 168, 523-9	12.8	110
199	Remediation of Trichloroethylene by FeS-Coated Iron Nanoparticles in Simulated and Real Groundwater: Effects of Water Chemistry. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 9343-9350	3.9	109
198	Enhanced transformation of triclosan by laccase in the presence of redox mediators. <i>Water Research</i> , <b>2010</b> , 44, 298-308	12.5	105
197	Biodegradation of diphenyl ether and transformation of selected brominated congeners by <i>Sphingomonas</i> sp. PH-07. <i>Applied Microbiology and Biotechnology</i> , <b>2007</b> , 77, 187-94	5.7	101
196	Triclosan susceptibility and co-metabolism--a comparison for three aerobic pollutant-degrading bacteria. <i>Bioresour Technol</i> , <b>2011</b> , 102, 2206-12	11	94

195	Iron nanoparticle-induced activation of plasma membrane H(+)-ATPase promotes stomatal opening in <i>Arabidopsis thaliana</i> . <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 1113-9	10.3	93
194	Degradation of synthetic pollutants in real wastewater using laccase encapsulated in core-shell magnetic copper alginate beads. <i>Bioresource Technology</i> , <b>2016</b> , 216, 203-10	11	91
193	Purification and characterization of laccase produced by a white rot fungus <i>Pleurotus sajor-caju</i> under submerged culture condition and its potential in decolorization of azo dyes. <i>Applied Microbiology and Biotechnology</i> , <b>2006</b> , 72, 939-46	5.7	86
192	Degradation of polybrominated diphenyl ethers by a sequential treatment with nanoscale zero valent iron and aerobic biodegradation. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2012</b> , 87, 216-224	3.5	84
191	Influence of a municipal solid waste incinerator on ambient air and soil PCDD/Fs levels. <i>Chemosphere</i> , <b>2006</b> , 64, 579-87	8.4	84
190	Three-year atmospheric monitoring of organochlorine pesticides and polychlorinated biphenyls in polar regions and the South Pacific. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 4475-82	10.3	83
189	Biodegradation of 1,4-dioxane and transformation of related cyclic compounds by a newly isolated <i>Mycobacterium</i> sp. PH-06. <i>Biodegradation</i> , <b>2009</b> , 20, 511-9	4.1	79
188	Enhanced transformation of malachite green by laccase of <i>Ganoderma lucidum</i> in the presence of natural phenolic compounds. <i>Applied Microbiology and Biotechnology</i> , <b>2009</b> , 82, 341-50	5.7	77
187	Concentrations of polybrominated diphenyl ethers, polychlorinated dibenzo-p-dioxins and dibenzofurans, and polychlorinated biphenyls in human blood samples from Korea. <i>Science of the Total Environment</i> , <b>2005</b> , 336, 45-56	10.2	77
186	Carboxymethyl cellulose coating decreases toxicity and oxidizing capacity of nanoscale zerovalent iron. <i>Chemosphere</i> , <b>2014</b> , 104, 155-61	8.4	73
185	Relative importance of polychlorinated naphthalenes compared to dioxins, and polychlorinated biphenyls in human serum from Korea: contribution to TEQs and potential sources. <i>Environmental Pollution</i> , <b>2010</b> , 158, 1420-7	9.3	71
184	Laccase-catalysed polymeric dye synthesis from plant-derived phenols for potential application in hair dyeing: Enzymatic colourations driven by homo- or hetero-polymer synthesis. <i>Microbial Biotechnology</i> , <b>2010</b> , 3, 324-35	6.3	70
183	Distribution of organochlorine pesticides (OCPs) and polychlorinated biphenyls (PCBs) in human serum from urban areas in Korea. <i>Chemosphere</i> , <b>2008</b> , 73, 1625-31	8.4	70
182	Oxidative degradation of benzoic acid using Fe <sup>0</sup> - and sulfidized Fe <sup>0</sup> -activated persulfate: A comparative study. <i>Chemical Engineering Journal</i> , <b>2017</b> , 315, 426-436	14.7	68
181	Laccase-mediated oxidation of small organics: bifunctional roles for versatile applications. <i>Trends in Biotechnology</i> , <b>2013</b> , 31, 335-41	15.1	68
180	Detection of Dechlorane Plus in fish from urban-industrial rivers. <i>Chemosphere</i> , <b>2010</b> , 79, 850-4	8.4	68
179	Gas/particle partitioning of polychlorinated dibenzo-p-dioxins and dibenzofurans in atmosphere; evaluation of predicting models. <i>Atmospheric Environment</i> , <b>2001</b> , 35, 4125-4134	5.3	68
178	Biotransformation of 1,2,3-tri- and 1,2,3,4,7,8-hexachlorodibenzo-p-dioxin by <i>Sphingomonas wittichii</i> strain RW1. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 112-6	4.8	63

177	Effects of metal ions on the reactivity and corrosion electrochemistry of Fe/FeS nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 4002-11	10.3	62
176	Nano/bio treatment of polychlorinated biphenyls with evaluation of comparative toxicity. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 287, 335-41	12.8	62
175	A case study of dioxin monitoring in and around an industrial waste incinerator in Korea. <i>Chemosphere</i> , <b>2005</b> , 58, 1589-99	8.4	62
174	The evaluation of PCDD/Fs from various Korean incinerators. <i>Chemosphere</i> , <b>1999</b> , 38, 2097-2108	8.4	62
173	Biotransformation of 2,7-dichloro- and 1,2,3,4-tetrachlorodibenzo-p-dioxin by <i>Sphingomonas wittichii</i> RW1. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 2584-8	4.8	61
172	Low-dose persistent organic pollutants increased telomere length in peripheral leukocytes of healthy Koreans. <i>Mutagenesis</i> , <b>2010</b> , 25, 511-6	2.8	59
171	Comparative study of peroxide oxidants activated by nZVI: Removal of 1,4-Dioxane and arsenic(III) in contaminated waters. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 2511-2519	14.7	58
170	Reactivity of Fe/FeS nanoparticles: electrolyte composition effects on corrosion electrochemistry. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 12484-92	10.3	57
169	Emission of PCDD/Fs and dioxin-like PCBs from metallurgy industries in S. Korea. <i>Chemosphere</i> , <b>2006</b> , 62, 494-501	8.4	57
168	Manganese oxide nanorods as a robust Fenton-like catalyst at neutral pH: Crystal phase-dependent behavior. <i>Catalysis Today</i> , <b>2017</b> , 282, 71-76	5.3	56
167	Use of grape seed and its natural polyphenol extracts as a natural organic coagulant for removal of cationic dyes. <i>Chemosphere</i> , <b>2009</b> , 77, 1090-8	8.4	56
166	Atmospheric levels and distribution of dioxin-like polychlorinated biphenyls (PCBs) and polybrominated diphenyl ethers (PBDEs) in the vicinity of an iron and steel making plant. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 2479-2488	5.3	56
165	Influence of exposure to perfluoroalkyl substances (PFASs) on the Korean general population: 10-year trend and health effects. <i>Environment International</i> , <b>2018</b> , 113, 149-161	12.9	53
164	Recent developments in microbial biotransformation and biodegradation of dioxins. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2008</b> , 15, 152-71	0.9	53
163	Atmospheric deposition of persistent organic pollutants to the East Rongbuk Glacier in the Himalayas. <i>Science of the Total Environment</i> , <b>2009</b> , 408, 57-63	10.2	52
162	Synergistic effect of laccase mediators on pentachlorophenol removal by <i>Ganoderma lucidum</i> laccase. <i>Applied Microbiology and Biotechnology</i> , <b>2008</b> , 81, 783-90	5.7	52
161	Effect of Fe-Pd bimetallic nanoparticles on <i>Sphingomonas</i> sp. PH-07 and a nano-bio hybrid process for triclosan degradation. <i>Bioresource Technology</i> , <b>2011</b> , 102, 6019-25	11	51
160	Characterization of polychlorinated dibenzo-p-dioxins, dibenzofurans, biphenyls, and heavy metals in fly ash produced from Korean municipal solid waste incinerators. <i>Chemosphere</i> , <b>1999</b> , 38, 2655-2666	8.4	51

159	Evaluation of Polychlorinated Dibenzo-p-dioxin/Dibenzofuran (PCDD/F) Emission in Municipal Solid Waste Incinerators. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 2657-2666	10.3	50
158	Enzymatic polymerization of plant-derived phenols for material-independent and multifunctional coating. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 6501-6509	7.3	49
157	Distribution of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) in different sizes of airborne particles. <i>Atmospheric Environment</i> , <b>2002</b> , 36, 5109-5117	5.3	48
156	Spatial and seasonal distribution of polychlorinated biphenyls (PCBs) in the vicinity of an iron and steel making plant. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 3035-40	10.3	47
155	Polybrominated diphenyl ethers in blood from Korean incinerator workers and general population. <i>Chemosphere</i> , <b>2007</b> , 67, 489-97	8.4	47
154	A novel catabolic activity of <i>Pseudomonas veronii</i> in biotransformation of pentachlorophenol. <i>Applied Microbiology and Biotechnology</i> , <b>2003</b> , 62, 284-90	5.7	45
153	Steel dust catalysis for Fenton-like oxidation of polychlorinated dibenzo-p-dioxins. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 163, 222-30	12.8	43
152	PCB levels and congener patterns from Korean municipal waste incinerator stack emissions. <i>Chemosphere</i> , <b>2002</b> , 49, 205-16	8.4	43
151	Magnetite-based adsorbents for sequestration of radionuclides: a review.. <i>RSC Advances</i> , <b>2018</b> , 8, 2521-2540	3.7	42
150	Fabrication of novel oxygen-releasing alginate beads as an efficient oxygen carrier for the enhancement of aerobic bioremediation of 1,4-dioxane contaminated groundwater. <i>Bioresource Technology</i> , <b>2014</b> , 171, 59-65	11	42
149	Assessment of the spatial distribution of coplanar PCBs, PCNs, and PBDEs in a multi-industry region of South Korea using passive air samplers. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 7336-40	10.3	42
148	Assessment of PCDD/F risk after implementation of emission reduction at a MSWI. <i>Chemosphere</i> , <b>2007</b> , 68, 856-63	8.4	42
147	Activation of persulfate by a novel Fe(II)-immobilized chitosan/alginate composite for bisphenol A degradation. <i>Chemical Engineering Journal</i> , <b>2018</b> , 353, 736-745	14.7	41
146	Influence of a large steel complex on the spatial distribution of volatile polycyclic aromatic hydrocarbons (PAHs) determined by passive air sampling using membrane-enclosed copolymer (MECOP). <i>Atmospheric Environment</i> , <b>2007</b> , 41, 6255-6264	5.3	41
145	Bioremediation of PCDD/Fs-contaminated municipal solid waste incinerator fly ash by a potent microbial biocatalyst. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 157, 114-21	12.8	41
144	Congener-specific approach to human PCB concentrations by serum analysis. <i>Chemosphere</i> , <b>2007</b> , 68, 1699-706	8.4	41
143	Factors affecting the distribution of the rate of carbon uptake by forests in South Korea. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 484-8	10.3	41
142	Biological removal of polychlorinated dibenzo-p-dioxins from incinerator fly ash by <i>Sphingomonas wittichii</i> RW1. <i>Water Research</i> , <b>2005</b> , 39, 4651-60	12.5	40

141	Advanced oxidation and adsorptive bubble separation of dyes using MnO-coated FeO nanocomposite. <i>Water Research</i> , <b>2019</b> , 151, 413-422	12.5	40
140	Matrix-specific distribution and compositional profiles of perfluoroalkyl substances (PFASs) in multimedia environments. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 364, 19-27	12.8	39
139	Tuning and Characterizing Nanocellulose Interface for Enhanced Removal of Dual-Sorbate (AsV and CrVI) from Water Matrices. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 518-528	8.3	38
138	Transformation of hexabromocyclododecane in contaminated soil in association with microbial diversity. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 325, 82-89	12.8	38
137	Partitioning behavior of heavy metals and persistent organic pollutants among feto-maternal bloods and tissues. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 7411-22	10.3	38
136	Relationship between serum concentrations of organochlorine pesticides and metabolic syndrome among non-diabetic adults. <i>Journal of Preventive Medicine and Public Health</i> , <b>2010</b> , 43, 1-8	3.7	38
135	Biodegradation of dibenzo-p-dioxin, dibenzofuran, and chlorodibenzo-p-dioxins by <i>Pseudomonas veronii</i> PH-03. <i>Biodegradation</i> , <b>2004</b> , 15, 303-13	4.1	37
134	Spatial distribution of polychlorinated biphenyls, organochlorine pesticides, and dechlorane plus in Northeast Asia. <i>Atmospheric Environment</i> , <b>2013</b> , 64, 40-46	5.3	36
133	Reductive dechlorination of octachlorodibenzo-p-dioxin by nanosized zero-valent zinc: modeling of rate kinetics and congener profile. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 250-251, 397-402	12.8	36
132	Exposure assessment and health risk of poly-brominated diphenyl ether (PBDE) flame retardants in the indoor environment of elementary school students in Korea. <i>Science of the Total Environment</i> , <b>2014</b> , 470-471, 1376-89	10.2	35
131	Novel cell-based assay reveals associations of circulating serum AhR-ligands with metabolic syndrome and mitochondrial dysfunction. <i>BioFactors</i> , <b>2013</b> , 39, 494-504	6.1	35
130	Superparamagnetic Adsorbent Based on Phosphonate Grafted Mesoporous Carbon for Uranium Removal. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 9821-9830	3.9	35
129	Persistent and emerging pollutants in the blood of German adults: Occurrence of dechloranes, polychlorinated naphthalenes, and siloxanes. <i>Environment International</i> , <b>2015</b> , 85, 292-8	12.9	35
128	Deposition of organochlorine pesticides into the surface snow of East Antarctica. <i>Science of the Total Environment</i> , <b>2012</b> , 433, 290-5	10.2	35
127	Integrated hybrid treatment for the remediation of 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Science of the Total Environment</i> , <b>2012</b> , 435-436, 563-6	10.2	35
126	Associations among organochlorine pesticides, Methanobacteriales, and obesity in Korean women. <i>PLoS ONE</i> , <b>2011</b> , 6, e27773	3.7	35
125	Assessment of polybrominated diphenyl ethers (PBDEs) in serum from the Korean general population. <i>Environmental Pollution</i> , <b>2012</b> , 164, 46-52	9.3	34
124	Assessment of variations in atmospheric PCDD/Fs by Asian dust in Southeastern Korea. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 5876-5886	5.3	34

123	Congener-distribution patterns and risk assessment of polychlorinated biphenyls, dibenzo-p-dioxins and dibenzofurans in Korean human milk. <i>Chemosphere</i> , <b>2002</b> , 47, 1087-95	8.4	34
122	Matrix-specific distribution and diastereomeric profiles of hexabromocyclododecane (HBCD) in a multimedia environment: Air, soil, sludge, sediment, and fish. <i>Environmental Pollution</i> , <b>2017</b> , 226, 515-522	9.3	32
121	Effects of Zerovalent Iron Nanoparticles on Photosynthesis and Biochemical Adaptation of Soil-Grown. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	32
120	Biosorption of 1,2,3,4-tetrachlorodibenzo-p-dioxin and polychlorinated dibenzofurans by <i>Bacillus pumilus</i> . <i>Water Research</i> , <b>2000</b> , 34, 349-353	12.5	32
119	Human exposure to HBCD and TBBPA via indoor dust in Korea: Estimation of external exposure and body burden. <i>Science of the Total Environment</i> , <b>2017</b> , 593-594, 779-786	10.2	30
118	Hexabromocyclododecane (HBCD) in the Korean food basket and estimation of dietary exposure. <i>Environmental Pollution</i> , <b>2016</b> , 213, 268-277	9.3	30
117	Self-Generation of Reactive Oxygen Species on Crystalline AgBiO for the Oxidative Remediation of Organic Pollutants. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28426-28432	9.5	30
116	Recyclable superparamagnetic adsorbent based on mesoporous carbon for sequestration of radioactive Cesium. <i>Chemical Engineering Journal</i> , <b>2017</b> , 308, 798-808	14.7	30
115	Enhancing the reactivity of bimetallic Bi/Fe(0) by citric acid for remediation of polluted water. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 310, 135-42	12.8	29
114	Levels and patterns of polycyclic aromatic hydrocarbons (PAHs) in soils after forest fires in South Korea. <i>Environmental Science and Pollution Research</i> , <b>2011</b> , 18, 1508-17	5.1	29
113	HBCD and TBBPA in human scalp hair: Evidence of internal exposure. <i>Chemosphere</i> , <b>2018</b> , 207, 70-77	8.4	28
112	Health survey on workers and residents near the municipal waste and industrial waste incinerators in Korea. <i>Industrial Health</i> , <b>2003</b> , 41, 181-8	2.5	28
111	Pinched inlet split flow thin fractionation for continuous particle fractionation: application to marine sediments for size-dependent analysis of PCDD/Fs and metals. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 3236-43	7.8	28
110	Macroporous alginate substrate-bound growth of Fe0 nanoparticles with high redox activities for nitrate removal from aqueous solutions. <i>Chemical Engineering Journal</i> , <b>2016</b> , 298, 206-213	14.7	28
109	Occurrence of Legacy and New Persistent Organic Pollutants in Avian Tissues from King George Island, Antarctica. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13628-38	10.3	27
108	Equilibrium, thermodynamics and kinetics studies for the removal of alpha and beta endosulfan by adsorption onto bentonite clay. <i>Chemical Engineering Journal</i> , <b>2012</b> , 192, 369-376	14.7	27
107	Occurrence of Dechlorane compounds and polybrominated diphenyl ethers (PBDEs) in the Korean general population. <i>Environmental Pollution</i> , <b>2016</b> , 212, 330-336	9.3	26
106	Investigating Dechlorane Plus (DP) distribution and isomer specific adsorption behavior in size fractionated marine sediments. <i>Science of the Total Environment</i> , <b>2014</b> , 481, 114-20	10.2	26

105	Characterization of polychlorinated dibenzo-p-dioxins and dibenzofurans in different particle size fractions of marine sediments. <i>Environmental Pollution</i> , <b>2006</b> , 144, 554-61	9.3	26
104	Degradation of carbamazepine by singlet oxygen from sulfidized nanoscale zero-valent iron in citric acid system. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122828	14.7	26
103	Zerovalent-Iron/Platinum Janus Micromotors with Spatially Separated Functionalities for Efficient Water Decontamination. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 768-776	5.6	25
102	Effect of heavy metals on the biodegradation of dibenzofuran in liquid medium. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 140, 145-8	12.8	25
101	Large rate of uptake of atmospheric carbon dioxide by planted forest biomass in Korea. <i>Global Biogeochemical Cycles</i> , <b>2002</b> , 16, 36-1-36-5	5.9	25
100	Novel self-assembled bimetallic structure of Bi/Fe(0): the oxidative and reductive degradation of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX). <i>Journal of Hazardous Materials</i> , <b>2015</b> , 286, 107-17	12.8	24
99	Dioxin and dioxin-like PCB profiles in the serum of industrial and municipal waste incinerator workers in Korea. <i>Environment International</i> , <b>2009</b> , 35, 580-7	12.9	24
98	Characterization of the ethyl-triphenylphosphonium derivative of model peptides by fast atom bombardment collisionally-activated dissociation tandem mass spectrometry using B/E linked scans. <i>International Journal of Mass Spectrometry and Ion Processes</i> , <b>1991</b> , 111, 191-209		24
97	Coupling microbial catabolic actions with abiotic redox processes: a new recipe for persistent organic pollutant (POP) removal. <i>Biotechnology Advances</i> , <b>2013</b> , 31, 246-56	17.8	23
96	Enhanced oxidative activity of zero-valent iron by citric acid complexation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 373, 891-901	14.7	22
95	Diastereoisomer- and species-specific distribution of hexabromocyclododecane (HBCD) in fish and marine invertebrates. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 300, 114-120	12.8	22
94	Photocatalytic degradation of chlorophenols using star block copolymers: Removal efficiency, by-products and toxicity of catalyst. <i>Chemical Engineering Journal</i> , <b>2013</b> , 215-216, 921-928	14.7	22
93	Continuous fractionation of fly ash particles by SPUTT for the investigation of PCDD/Fs levels in different sizes of insoluble particles. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 4416-23	10.3	22
92	Aerobic bacterial catabolism of persistent organic pollutants - potential impact of biotic and abiotic interaction. <i>Current Opinion in Biotechnology</i> , <b>2016</b> , 38, 71-8	11.4	21
91	Comparative toxicity of bimetallic Fe nanoparticles toward Escherichia coli: mechanism and environmental implications. <i>Environmental Science: Nano</i> , <b>2014</b> , 1, 233	7.1	21
90	Enhanced removal of chromate from aqueous solution by sequential adsorption-reduction on mesoporous iron-iron oxide nanocomposites. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	21
89	Mineralization and transformation of monofluorophenols by Pseudonocardia benzenivorans. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 1569-77	5.7	21
88	Assessment of Dechlorane compounds in foodstuffs obtained from retail markets and estimates of dietary intake in Korean population. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 275, 19-25	12.8	20



87	Characterization of major offensive odorants released from lake sediment. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 1236-1241	5.3	20
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70	Fe(III) adsorption on graphene oxide: A low-cost and simple modification method for persulfate activation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 387, 124012	14.7	16

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