

Yoon-Seok Chang

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.

212
papers

8,099
citations

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	Simultaneous removal of heavy metals and dyes in water using a MgO-coated FeO nanocomposite: Role of micro-mixing effect induced by bubble generation.. <i>Chemosphere</i> , 2022 , 294, 133788	8.4	1
211	Health risk assessment of exposure to organochlorine pesticides in the general population in Seoul, Korea over 12 years: A cross-sectional epidemiological study. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127381	12.8	2
210	Electrochemical activation of hydrogen peroxide, persulfate, and free chlorine using sacrificial iron anodes for decentralized wastewater treatment. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127068	12.8	4
209	Activation of hydrogen peroxide, persulfate, and free chlorine by steel anode for treatment of municipal and livestock wastewater: Unravelling the role of oxidants speciation.. <i>Water Research</i> , 2022 , 216, 118305	12.5	0
208	Dietary exposure and potential human health risk of dioxins in South Korea: Application of deterministic and probabilistic methods. <i>Chemosphere</i> , 2021 , 291, 133018	8.4	
207	Microbial Volatile Organic Compound (VOC)-Driven Dissolution and Surface Modification of Phosphorus-Containing Soil Minerals for Plant Nutrition: An Indirect Route for VOC-Based Plant-Microbe Communications. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 14478-14487	5.7	
206	Mechanically combined persulfate on zerovalent iron: Mechanistic insights into reduction and oxidation processes. <i>Chemical Engineering Journal</i> , 2021 , 414, 128772	14.7	5
205	Twenty-year trends and exposure assessment of polychlorinated dibenzodioxins and dibenzofurans in human serum from the Seoul citizens. <i>Chemosphere</i> , 2021 , 273, 128558	8.4	
204	Occurrence, distribution, and bioaccumulation of new and legacy persistent organic pollutants in an ecosystem on King George Island, maritime Antarctica. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124141	12.8	18
203	Factors associated with partitioning behavior of persistent organic pollutants in a feto-maternal system: A multiple linear regression approach. <i>Chemosphere</i> , 2021 , 263, 128247	8.4	3
202	Electrocatalytic dehalogenation of aqueous pollutants by dealloyed nanoporous Pd/Ti cathode. <i>Catalysis Today</i> , 2021 , 361, 63-68	5.3	6
201	Carbon-nitride-based micromotor driven by chromate-hydrogen peroxide redox system: Application for removal of sulfamethaxazole. <i>Journal of Colloid and Interface Science</i> , 2021 , 597, 94-103	9.3	3
200	Enhancement of the reactivity of sulfidized nanoscale zero-valent iron-persulfate by ligand addition for the oxidative degradation of water pollutants. <i>Materials Today: Proceedings</i> , 2020 , 33, 1389-1395	1.4	0
199	In situ chemical oxidation of contaminated groundwater using a sulfidized nanoscale zerovalent iron-persulfate system: Insights from a box-type study. <i>Chemosphere</i> , 2020 , 257, 127117	8.4	15
198	Degradation studies of halogenated flame retardants. <i>Comprehensive Analytical Chemistry</i> , 2020 , 88, 303-339	1.9	1
197	Fe(III) adsorption on graphene oxide: A low-cost and simple modification method for persulfate activation. <i>Chemical Engineering Journal</i> , 2020 , 387, 124012	14.7	16
196	Hydroxylamine-assisted peroxymonosulfate activation using cobalt ferrite for sulfamethoxazole degradation. <i>Chemical Engineering Journal</i> , 2020 , 386, 123751	14.7	18

195	Internal distribution and fate of persistent organic contaminants (PCDD/Fs, DL-PCBs, HBCDs, TBBPA, and PFASs) in a Bos Taurus. <i>Environmental Pollution</i> , 2020 , 267, 115306	9.3	2
194	Degradation of carbamazepine by singlet oxygen from sulfidized nanoscale zero-valent iron in citric acid system. <i>Chemical Engineering Journal</i> , 2020 , 382, 122828	14.7	26
193	Enhanced oxidative activity of zero-valent iron by citric acid complexation. <i>Chemical Engineering Journal</i> , 2019 , 373, 891-901	14.7	22
192	Photosensitized diastereoisomer-specific degradation of hexabromocyclododecane (HBCD) in the presence of humic acid in aquatic systems. <i>Journal of Hazardous Materials</i> , 2019 , 369, 171-179	12.8	12
191	Treatability of hexabromocyclododecane using Pd/Fe nanoparticles in the soil-plant system: Effects of humic acids. <i>Science of the Total Environment</i> , 2019 , 689, 444-450	10.2	13
190	Effects of Zerovalent Iron Nanoparticles on Photosynthesis and Biochemical Adaptation of Soil-Grown. <i>Nanomaterials</i> , 2019 , 9,	5.4	32
189	Advanced oxidation and adsorptive bubble separation of dyes using MnO-coated FeO nanocomposite. <i>Water Research</i> , 2019 , 151, 413-422	12.5	40
188	Matrix-specific distribution and compositional profiles of perfluoroalkyl substances (PFASs) in multimedia environments. <i>Journal of Hazardous Materials</i> , 2019 , 364, 19-27	12.8	39
187	Influence of exposure to perfluoroalkyl substances (PFASs) on the Korean general population: 10-year trend and health effects. <i>Environment International</i> , 2018 , 113, 149-161	12.9	53
186	Magnetite-based adsorbents for sequestration of radionuclides: a review.. <i>RSC Advances</i> , 2018 , 8, 2521-2540	5.7	42
185	Zerovalent-Iron/Platinum Janus Micromotors with Spatially Separated Functionalities for Efficient Water Decontamination. <i>ACS Applied Nano Materials</i> , 2018 , 1, 768-776	5.6	25
184	Occurrence and distribution of old and new halogenated flame retardants in mosses and lichens from the South Shetland Islands, Antarctica. <i>Environmental Pollution</i> , 2018 , 235, 302-311	9.3	16
183	Polychlorinated naphthalenes (PCNs) in seafood: Estimation of dietary intake in Korean population. <i>Science of the Total Environment</i> , 2018 , 624, 40-47	10.2	12
182	Determinants of serum organochlorine pesticide and polychlorinated biphenyl levels in middle-aged Korean adults. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 249-259	5.1	7
181	Impact of surface modification on the toxicity of zerovalent iron nanoparticles in aquatic and terrestrial organisms. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 163, 436-443	7	17
180	Uptake, Distribution, and Transformation of Zerovalent Iron Nanoparticles in the Edible Plant <i>Cucumis sativus</i> . <i>Environmental Science & Technology</i> , 2018 , 52, 10057-10066	10.3	18
179	Activation of persulfate by a novel Fe(II)-immobilized chitosan/alginate composite for bisphenol A degradation. <i>Chemical Engineering Journal</i> , 2018 , 353, 736-745	14.7	41
178	Levels of polybrominated diphenyl ethers in the Korean metropolitan population are declining: A trend from 2001 to 2013. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2323-2330	3.8	5

177	HBCD and TBBPA in human scalp hair: Evidence of internal exposure. <i>Chemosphere</i> , 2018 , 207, 70-77	8.4	28
176	Comparative study of peroxide oxidants activated by nZVI: Removal of 1,4-Dioxane and arsenic(III) in contaminated waters. <i>Chemical Engineering Journal</i> , 2018 , 334, 2511-2519	14.7	58
175	Ligand-Assisted Sequential Redox Degradation of Tetrabromobisphenol A Using Bimetallic Zero-Valent Iron Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 17329-17337	3.9	6
174	Manganese oxide nanorods as a robust Fenton-like catalyst at neutral pH: Crystal phase-dependent behavior. <i>Catalysis Today</i> , 2017 , 282, 71-76	5.3	56
173	Oxidative degradation of benzoic acid using Fe ⁰ - and sulfidized Fe ⁰ -activated persulfate: A comparative study. <i>Chemical Engineering Journal</i> , 2017 , 315, 426-436	14.7	68
172	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> , 2017 , 593-594, 779-786	10.2	30
171	Matrix-specific distribution and diastereomeric profiles of hexabromocyclododecane (HBCD) in a multimedia environment: Air, soil, sludge, sediment, and fish. <i>Environmental Pollution</i> , 2017 , 226, 515-522	9.3	32
170	Tunichrome-Inspired Gold-Enrichment Dispersion Matrix and Its Application in Water Treatment: A Proof-of-Concept Investigation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19815-19824	9.5	8
169	Tunichrome mimetic matrix, its perspective in abatement for carcinogenic hexavalent chromium and specific coordination behavior. <i>Chemical Engineering Journal</i> , 2017 , 328, 629-638	14.7	6
168	Self-Generation of Reactive Oxygen Species on Crystalline AgBiO for the Oxidative Remediation of Organic Pollutants. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28426-28432	9.5	30
167	Superparamagnetic Adsorbent Based on Phosphonate Grafted Mesoporous Carbon for Uranium Removal. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 9821-9830	3.9	35
166	Tuning and Characterizing Nanocellulose Interface for Enhanced Removal of Dual-Sorbate (AsV and CrVI) from Water Matrices. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 518-528	8.3	38
165	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> , 2017 , 307, 220-229	14.7	165
164	Recyclable superparamagnetic adsorbent based on mesoporous carbon for sequestration of radioactive Cesium. <i>Chemical Engineering Journal</i> , 2017 , 308, 798-808	14.7	30
163	Transformation of hexabromocyclododecane in contaminated soil in association with microbial diversity. <i>Journal of Hazardous Materials</i> , 2017 , 325, 82-89	12.8	38
162	Occurrence of Dechlorane compounds and polybrominated diphenyl ethers (PBDEs) in the Korean general population. <i>Environmental Pollution</i> , 2016 , 212, 330-336	9.3	26
161	Hexabromocyclododecane (HBCD) in the Korean food basket and estimation of dietary exposure. <i>Environmental Pollution</i> , 2016 , 213, 268-277	9.3	30
160	Dihydroxynaphthalene-based mimicry of fungal melanogenesis for multifunctional coatings. <i>Microbial Biotechnology</i> , 2016 , 9, 305-15	6.3	12

159	Enhancing the reactivity of bimetallic Bi/Fe(0) by citric acid for remediation of polluted water. <i>Journal of Hazardous Materials</i> , 2016 , 310, 135-42	12.8	29
158	Aerobic bacterial catabolism of persistent organic pollutants - potential impact of biotic and abiotic interaction. <i>Current Opinion in Biotechnology</i> , 2016 , 38, 71-8	11.4	21
157	Evaluation of toxicological biomarkers in secreted proteins of HepG2 cells exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin and their expressions in the plasma of rats and incineration workers. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016 , 1864, 584-93	4	5
156	Estimated dietary intake and risk assessment of polychlorinated dibenzo-p-dioxins and dibenzofurans and dioxin-like polychlorinated biphenyls from fish consumption in the Korean general population. <i>Chemosphere</i> , 2016 , 146, 419-25	8.4	14
155	Degradation of synthetic pollutants in real wastewater using laccase encapsulated in core-shell magnetic copper alginate beads. <i>Bioresource Technology</i> , 2016 , 216, 203-10	11	91
154	Influence of non-detect data-handling on toxic equivalency quantities of PCDD/Fs and dioxin-like PCBs: A case study of major fish species purchased in Korea. <i>Environmental Pollution</i> , 2016 , 214, 532-538 ^{9.3}	9.3	14
153	Superparamagnetic nalidixic acid grafted magnetite (Fe ₃ O ₄ /NA) for rapid and efficient mercury removal from water. <i>RSC Advances</i> , 2016 , 6, 35825-35832	3.7	15
152	Macroporous alginate substrate-bound growth of Fe ₀ nanoparticles with high redox activities for nitrate removal from aqueous solutions. <i>Chemical Engineering Journal</i> , 2016 , 298, 206-213	14.7	28
151	Diastereoisomer- and species-specific distribution of hexabromocyclododecane (HBCD) in fish and marine invertebrates. <i>Journal of Hazardous Materials</i> , 2015 , 300, 114-120	12.8	22
150	Occurrence of Legacy and New Persistent Organic Pollutants in Avian Tissues from King George Island, Antarctica. <i>Environmental Science & Technology</i> , 2015 , 49, 13628-38	10.3	27
149	Progressive risk assessment of polychlorinated biphenyls through a Total Diet Study in the Korean population. <i>Environmental Pollution</i> , 2015 , 207, 403-12	9.3	19
148	Iron nanoparticle-induced activation of plasma membrane H(+)-ATPase promotes stomatal opening in <i>Arabidopsis thaliana</i> . <i>Environmental Science & Technology</i> , 2015 , 49, 1113-9	10.3	93
147	Persistent and emerging pollutants in the blood of German adults: Occurrence of dechloranes, polychlorinated naphthalenes, and siloxanes. <i>Environment International</i> , 2015 , 85, 292-8	12.9	35
146	Partitioning behavior of heavy metals and persistent organic pollutants among fetomaternal bloods and tissues. <i>Environmental Science & Technology</i> , 2015 , 49, 7411-22	10.3	38
145	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> , 2015 , 286, 107-17	12.8	24
144	Nano/bio treatment of polychlorinated biphenyls with evaluation of comparative toxicity. <i>Journal of Hazardous Materials</i> , 2015 , 287, 335-41	12.8	62
143	Evaluation of Nanoscale Zero-valent Iron for Reductive Degradation of Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX): Batch and Column Scale Studies. <i>Journal of Soil and Groundwater Environment</i> , 2015 , 20, 117-126		
142	Comparative toxicity of bimetallic Fe nanoparticles toward <i>Escherichia coli</i> : mechanism and environmental implications. <i>Environmental Science: Nano</i> , 2014 , 1, 233	7.1	21

141	Ten-year time trend of dioxins in human serum obtained from metropolitan populations in Seoul, Korea. <i>Science of the Total Environment</i> , 2014 , 470-471, 1338-45	10.2	18
140	A novel self-assembling nanoparticle of Ag-Bi with high reactive efficiency. <i>Chemical Communications</i> , 2014 , 50, 8597-600	5.8	10
139	Effects of metal ions on the reactivity and corrosion electrochemistry of Fe/FeS nanoparticles. <i>Environmental Science & Technology</i> , 2014 , 48, 4002-11	10.3	62
138	Effects of inorganic nanoparticles on viability and catabolic activities of <i>Agrobacterium</i> sp. PH-08 during biodegradation of dibenzofuran. <i>Biodegradation</i> , 2014 , 25, 655-68	4.1	12
137	Sorption behavior of heavy metals on poorly crystalline manganese oxides: roles of water conditions and light. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 1519-25	4.3	8
136	Exposure of iron nanoparticles to <i>Arabidopsis thaliana</i> enhances root elongation by triggering cell wall loosening. <i>Environmental Science & Technology</i> , 2014 , 48, 3477-85	10.3	139
135	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> , 2014 , 171, 59-65	11	42
134	Carboxymethyl cellulose coating decreases toxicity and oxidizing capacity of nanoscale zerovalent iron. <i>Chemosphere</i> , 2014 , 104, 155-61	8.4	73
133	The persistent toxic substances in Korea: environmental fates and human health. <i>Science of the Total Environment</i> , 2014 , 470-471, 1337	10.2	
132	Investigating Dechlorane Plus (DP) distribution and isomer specific adsorption behavior in size fractionated marine sediments. <i>Science of the Total Environment</i> , 2014 , 481, 114-20	10.2	26
131	Assessment of Dechlorane compounds in foodstuffs obtained from retail markets and estimates of dietary intake in Korean population. <i>Journal of Hazardous Materials</i> , 2014 , 275, 19-25	12.8	20
130	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> , 2014 , 470-471, 1376-89	10.2	35
129	Exposure of general population to PBDEs: a Progressive Total Diet Study in South Korea. <i>Environmental Pollution</i> , 2014 , 195, 192-201	9.3	17
128	Degradation of dibenzofuran via multiple dioxygenation by a newly isolated <i>Agrobacterium</i> sp. PH-08. <i>Journal of Applied Microbiology</i> , 2014 , 116, 542-53	4.7	13
127	Predicting reductive debromination of polybrominated diphenyl ethers by nanoscale zerovalent iron and its implications for environmental risk assessment. <i>Science of the Total Environment</i> , 2014 , 470-471, 1553-7	10.2	14
126	Remediation of Trichloroethylene by FeS-Coated Iron Nanoparticles in Simulated and Real Groundwater: Effects of Water Chemistry. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 9343-9350	3.9	109
125	Enzymatic polymerization of plant-derived phenols for material-independent and multifunctional coating. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 6501-6509	7.3	49
124	Novel cell-based assay reveals associations of circulating serum AhR-ligands with metabolic syndrome and mitochondrial dysfunction. <i>BioFactors</i> , 2013 , 39, 494-504	6.1	35

123	Hierarchically structured manganese oxide-coated magnetic nanocomposites for the efficient removal of heavy metal ions from aqueous systems. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9628-34	8.5	256
122	Spatial distribution of polychlorinated biphenyls, organochlorine pesticides, and dechlorane plus in Northeast Asia. <i>Atmospheric Environment</i> , 2013 , 64, 40-46	5.3	36
121	Coupling microbial catabolic actions with abiotic redox processes: a new recipe for persistent organic pollutant (POP) removal. <i>Biotechnology Advances</i> , 2013 , 31, 246-56	17.8	23
120	Photocatalytic degradation of chlorophenols using star block copolymers: Removal efficiency, by-products and toxicity of catalyst. <i>Chemical Engineering Journal</i> , 2013 , 215-216, 921-928	14.7	22
119	Prevalence of low chlorinated dibenzo-p-dioxin/dibenzofurans in human serum. <i>Chemosphere</i> , 2013 , 90, 1658-63	8.4	11
118	Synthesis of metal sulfide-coated iron nanoparticles with enhanced surface reactivity and biocompatibility. <i>RSC Advances</i> , 2013 , 3, 5338	3.7	14
117	Laccase-mediated oxidation of small organics: bifunctional roles for versatile applications. <i>Trends in Biotechnology</i> , 2013 , 31, 335-41	15.1	68
116	Reductive dechlorination of octachlorodibenzo-p-dioxin by nanosized zero-valent zinc: modeling of rate kinetics and congener profile. <i>Journal of Hazardous Materials</i> , 2013 , 250-251, 397-402	12.8	36
115	Assessment of polybrominated diphenyl ethers (PBDEs) in serum from the Korean general population. <i>Environmental Pollution</i> , 2012 , 164, 46-52	9.3	34
114	Deposition of polychlorinated biphenyls and polybrominated diphenyl ethers in the vicinity of a steel manufacturing plant. <i>Atmospheric Environment</i> , 2012 , 49, 206-211	5.3	9
113	Laccase-catalysed oxidations of naturally occurring phenols: from in vivo biosynthetic pathways to green synthetic applications. <i>Microbial Biotechnology</i> , 2012 , 5, 318-32	6.3	147
112	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> , 2012 , 87, 216-224	3.5	84
111	A Catabolic Activity of <i>Sphingomonas wittichii</i> RW1 in the Biotransformation of Carbazole. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 943-949	2.6	3
110	Reactivity of Fe/FeS nanoparticles: electrolyte composition effects on corrosion electrochemistry. <i>Environmental Science & Technology</i> , 2012 , 46, 12484-92	10.3	57
109	Enhanced removal of chromate from aqueous solution by sequential adsorption-reduction on mesoporous iron(III) oxide nanocomposites. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	21
108	Assessment of the daily intake of 62 polychlorinated biphenyls from dietary exposure in South Korea. <i>Chemosphere</i> , 2012 , 89, 957-63	8.4	18
107	Deposition of organochlorine pesticides into the surface snow of East Antarctica. <i>Science of the Total Environment</i> , 2012 , 433, 290-5	10.2	35
106	Integrated hybrid treatment for the remediation of 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Science of the Total Environment</i> , 2012 , 435-436, 563-6	10.2	35

105	Equilibrium, thermodynamics and kinetics studies for the removal of alpha and beta endosulfan by adsorption onto bentonite clay. <i>Chemical Engineering Journal</i> , 2012 , 192, 369-376	14.7	27
104	Facile Synthesis and Characterization of Fe/FeS Nanoparticles for Environmental Applications. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 1457-62	9.5	259
103	Monitoring of PCBs at facilities related with PCB-containing products and wastes in South Korea. <i>Journal of Hazardous Materials</i> , 2011 , 196, 295-301	12.8	6
102	Characterization of major offensive odorants released from lake sediment. <i>Atmospheric Environment</i> , 2011 , 45, 1236-1241	5.3	20
101	Comments on "halogenated pesticide transformation by a laccase-mediator system" by C. Torres-Duarte, R. Roman, R. Tinoco, and R.V. Vazquez-Duhalt [<i>Chemosphere</i> 77 (2009) 687-692]. <i>Chemosphere</i> , 2011 , 85, 1759-60; author reply 1761-2	8.4	1
100	Atmospheric bulk deposition of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) in the vicinity of an iron and steel making plant. <i>Chemosphere</i> , 2011 , 84, 894-9	8.4	15
99	Levels and patterns of polycyclic aromatic hydrocarbons (PAHs) in soils after forest fires in South Korea. <i>Environmental Science and Pollution Research</i> , 2011 , 18, 1508-17	5.1	29
98	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> , 2011 , 102, 6019-25	11	51
97	Characteristic occurrence patterns of micropollutants and their removal efficiencies in industrial wastewater treatment plants. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 391-7		19
96	Three-year atmospheric monitoring of organochlorine pesticides and polychlorinated biphenyls in polar regions and the South Pacific. <i>Environmental Science & Technology</i> , 2011 , 45, 4475-82	10.3	83
95	Triclosan susceptibility and co-metabolism--a comparison for three aerobic pollutant-degrading bacteria. <i>Bioresource Technology</i> , 2011 , 102, 2206-12	11	94
94	Associations among organochlorine pesticides, Methanobacteriales, and obesity in Korean women. <i>PLoS ONE</i> , 2011 , 6, e27773	3.7	35
93	Association of low-dose exposure to persistent organic pollutants with global DNA hypomethylation in healthy Koreans. <i>Environmental Health Perspectives</i> , 2010 , 118, 370-4	8.4	156
92	Low-dose persistent organic pollutants increased telomere length in peripheral leukocytes of healthy Koreans. <i>Mutagenesis</i> , 2010 , 25, 511-6	2.8	59
91	Spatial and seasonal distribution of polychlorinated biphenyls (PCBs) in the vicinity of an iron and steel making plant. <i>Environmental Science & Technology</i> , 2010 , 44, 3035-40	10.3	47
90	Enhanced transformation of triclosan by laccase in the presence of redox mediators. <i>Water Research</i> , 2010 , 44, 298-308	12.5	105
89	Detection of Dechlorane Plus in fish from urban-industrial rivers. <i>Chemosphere</i> , 2010 , 79, 850-4	8.4	68
88	Rapid Dechlorination of Polychlorinated Dibenzo-p-dioxins by Nanosized and Bimetallic Zerovalent Iron. <i>ACS Symposium Series</i> , 2010 , 89-115	0.4	

87	Mineralization and transformation of monofluorophenols by <i>Pseudonocardia benzenivorans</i> . <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 1569-77	5.7	21
86	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> , 2010 , 158, 1420-7	9.3	71
85	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> , 2010 , 3, 324-35	6.3	70
84	Relationship between serum concentrations of organochlorine pesticides and metabolic syndrome among non-diabetic adults. <i>Journal of Preventive Medicine and Public Health</i> , 2010 , 43, 1-8	3.7	38
83	Atmospheric deposition of persistent organic pollutants to the East Rongbuk Glacier in the Himalayas. <i>Science of the Total Environment</i> , 2009 , 408, 57-63	10.2	52
82	Biodegradation of 1,4-dioxane and transformation of related cyclic compounds by a newly isolated <i>Mycobacterium</i> sp. PH-06. <i>Biodegradation</i> , 2009 , 20, 511-9	4.1	79
81	Passive air sampling of persistent organic pollutants in Korea. <i>Toxicology and Environmental Health Sciences</i> , 2009 , 1, 75-82	1.9	7
80	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> , 2009 , 82, 341-50	5.7	77
79	Steel dust catalysis for Fenton-like oxidation of polychlorinated dibenzo-p-dioxins. <i>Journal of Hazardous Materials</i> , 2009 , 163, 222-30	12.8	43
78	Effect of metal ions on reactive dye decolorization by laccase from <i>Ganoderma lucidum</i> . <i>Journal of Hazardous Materials</i> , 2009 , 168, 523-9	12.8	110
77	Dioxin and dioxin-like PCB profiles in the serum of industrial and municipal waste incinerator workers in Korea. <i>Environment International</i> , 2009 , 35, 580-7	12.9	24
76	Polychlorinated dibenzo-p-dioxins, dibenzofurans and biphenyls in crucian carp (<i>Carassius auratus</i>) from rivers in Korea during 2000-2004. <i>Chemosphere</i> , 2009 , 75, 1221-5	8.4	2
75	Characteristics and emission factors of PCDD/Fs in various industrial wastes in South Korea. <i>Chemosphere</i> , 2009 , 75, 1226-31	8.4	17
74	Use of grape seed and its natural polyphenol extracts as a natural organic coagulant for removal of cationic dyes. <i>Chemosphere</i> , 2009 , 77, 1090-8	8.4	56
73	Modeling the reductive dechlorination of polychlorinated dibenzo-p-dioxins: kinetics, pathway, and equivalent toxicity. <i>Environmental Science & Technology</i> , 2009 , 43, 5327-32	10.3	15
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