Yeomin Yoon

List of Publications by Year
in descending order

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172 papers	15,810 citations	15504 65 h-index	17592 121 g-index
172 all docs	172 docs citations	172 times ranked	14252 citing authors

#	Article	IF	Citations
1	Enhancement of membrane system performance using artificial intelligence technologies for sustainable water and wastewater treatment: A critical review. Critical Reviews in Environmental Science and Technology, 2022, 52, 3689-3719.	12.8	23
2	In situ Fenton remediation for diesel contaminated clayey zone assisted by thermal plasma blasting: Synergism and cost estimation. Chemosphere, 2022, 286, 131574.	8.2	7
3	In-situ growth of manganese oxide on self-assembled 3D- magnesium hydroxide coated on polyurethane: Catalytic oxidation mechanism and application for Mn(II) removal. Journal of Hazardous Materials, 2022, 424, 127267.	12.4	13
4	Review of adsorptionâ€“membrane hybrid systems for water and wastewater treatment. Chemosphere, 2022, 286, 131916.	8.2	83
5	Interfacial coupling perovskite CeFeO3 on layered graphitic carbon nitride as a multifunctional Z-scheme photocatalyst for boosting nitrogen fixation and organic pollutants demineralization. Chemical Engineering Journal, 2022, 427, 131406.	12.7	41
6	Occurrence and removal of engineered nanoparticles in drinking water treatment and wastewater treatment processes: A review. Environmental Engineering Research, 2022, 27, 210339-0.	2.5	4
7	Insight into the role of charge carrier mediation zone for singlet oxygen production over rod-shape graphitic carbon nitride: Batch and continuous-flow reactor. Journal of Hazardous Materials, 2022, 424, 127652.	12.4	19
8	Selective sequestration of perfluorinated compounds using polyaniline decorated activated biochar. Chemical Engineering Journal, 2022, 430, 132837.	12.7	7
9	Remarkable adsorption for hazardous organic and inorganic contaminants by multifunctional amorphous coreâ€“shell structures of metalâ€“organic framework-alginate composites. Chemical Engineering Journal, 2022, 431, 133415.	12.7	33
10	Effect of single and multilayered Ti3C2TX MXene as a catalyst and adsorbent on enhanced sonodegradation of diclofenac and verapamil. Journal of Hazardous Materials, 2022, 426, 128120.	12.4	14
11	Catalytic non-thermal plasma treatment of endocrine disrupting compounds, pharmaceuticals, and personal care products in aqueous solution: A review. Chemosphere, 2022, 290, 133395.	8.2	13
12	2D/2D nitrogen-rich graphitic carbon nitride coupled Bi2WO6 S-scheme heterojunction for boosting photodegradation of tetracycline: Influencing factors, intermediates, and insights into the mechanism. Composites Part B: Engineering, 2022, 234, 109726.	12.0	67
13	Boron nitride-based nanomaterials as adsorbents in water: A review. Separation and Purification Technology, 2022, 288, 120637.	7.9	18
14	Synthesis, performance, and mechanisms of strontium ferrite-incorporated zeolite imidazole framework (ZIF-8) for the simultaneous removal of Pb(II) and tetracycline. Environmental Research, 2022, 212, 113419.	7.5	7
15	Application of perovskite oxides and their composites for degrading organic pollutants from wastewater using advanced oxidation processes: Review of the recent progress. Journal of Hazardous Materials, 2022, 436, 129074.	12.4	46
16	The application of microalgae in removing organic micropollutants in wastewater. Critical Reviews in Environmental Science and Technology, 2021, 51, 1187-1220.	12.8	50
17	Granular Mg-Fe layered double hydroxide prepared using dual polymers: Insights into synergistic removal of As(III) and As(V). Journal of Hazardous Materials, 2021, 403, 123883.	12.4	29
18	Enhanced adsorption performance for selected pharmaceutical compounds by sonicated Ti3C2TX MXene. Chemical Engineering Journal, 2021, 406, 126789.	12.7	116

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19	Catalytic oxidation of naproxen in cobalt spinel ferrite decorated Ti3C2Tx MXene activated persulfate system: Mechanisms and pathways. Chemical Engineering Journal, 2021, 407, 127842.	12.7	95
20	Unexpected discovery of superoxide radical generation by oxygen vacancies containing biomass derived granular activated carbon. Water Research, 2021, 190, 116757.	11.3	17
21	Review of MXene-based nanocomposites for photocatalysis. Chemosphere, 2021, 270, 129478.	8.2	88
22	Rational construction of CeO2â€“ZrO2@MoS2 hybrid nanoflowers for enhanced sonophotocatalytic degradation of naproxen: Mechanisms and degradation pathways. Composites Part B: Engineering, 2021, 215, 108780.	12.0	48
23	Chia seed-assisted separation and detection of polyvinyl chloride microplastics in water via gas chromatography mass spectrometry. Chemosphere, 2021, 273, 129599.	8.2	6
24	Application of a Ti₃C₂T_X MXene-Coated Membrane for Removal of Selected Natural Organic Matter and Pharmaceuticals. ACS ES&T Water, 2021, 1, 2164-2173.	4.6	25
25	Degradation synergism between sonolysis and photocatalysis for organic pollutants with different hydrophobicity: A perspective of mechanism and application for high mineralization efficiency. Journal of Hazardous Materials, 2021, 416, 125787.	12.4	25
26	Sulfur-anchored palm shell waste-based activated carbon for ultrahigh sorption of Hg(II) for in-situ groundwater treatment. Journal of Hazardous Materials, 2021, 417, 125995.	12.4	12
27	Optimal cleaning strategy to alleviate fouling in membrane distillation process to treat anaerobic digestate. Chemosphere, 2021, 279, 130524.	8.2	23
28	Sonodegradation of amitriptyline and ibuprofen in the presence of Ti3C2Tx MXene. Journal of Hazardous Materials Letters, 2021, 2, 100028.	3.6	3
29	Hierarchical CoTiO3 microrods on Ti3C2Tx MXene heterostructure as an efficient sonocatalyst for bisphenol A degradation. Journal of Molecular Liquids, 2021, 344, 117740.	4.9	29
30	Removal of Cu2+, Cd2+, and Pb2+ from aqueous solution by fabricated MIL-100(Fe) and MIL-101(Cr): Experimental and molecular modeling study. Journal of Environmental Chemical Engineering, 2021, 9, 106663.	6.7	12
31	Fluoride removal by palm shell waste based powdered activated carbon vs. functionalized carbon with magnesium silicate: Implications for their application in water treatment. Chemosphere, 2020, 239, 124765.	8.2	61
32	Adsorption of selected dyes on Ti3C2Tx MXene and Al-based metal-organic framework. Ceramics International, 2020, 46, 2960-2968.	4.8	123
33	A metal organic framework-ultrafiltration hybrid system for removing selected pharmaceuticals and natural organic matter. Chemical Engineering Journal, 2020, 382, 122920.	12.7	47
34	Selected advanced water treatment technologies for perfluoroalkyl and polyfluoroalkyl substances: A review. Separation and Purification Technology, 2020, 231, 115929.	7.9	76
35	Removal of contaminants of emerging concern by FO, RO, and UF membranes in water and wastewater. , 2020, , 139-176.		21
36	Effective removal of Pb(<scp>ii</scp>) from synthetic wastewater using Ti₃C₂T_x MXene. Environmental Science: Water Research and Technology, 2020, 6, 173-180.	2.4	62

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37	Adsorption of Ba2+ and Sr2+ on Ti3C2Tx MXene in model fracking wastewater. Journal of Environmental Management, 2020, 256, 109940.	7.8	78
38	Selective adsorption of Cs+ by MXene (Ti3C2Tx) from model low-level radioactive wastewater. Nuclear Engineering and Technology, 2020, 52, 1201-1207.	2.3	72
39	A simple reagent-less approach using electrical discharge as a substitution for chelating agent in addressing genomic assay inhibition by divalent cations. Analyst, The, 2020, 145, 6846-6858.	3.5	1
40	A review on MXene-based nanomaterials as adsorbents in aqueous solution. Chemosphere, 2020, 261, 127781.	8.2	111
41	Applications of metal-organic framework based membranes in water purification: A review. Separation and Purification Technology, 2020, 247, 116947.	7.9	134
42	Ultrasound-assisted Ti3C2Tx MXene adsorption of dyes: Removal performance and mechanism analyses via dynamic light scattering. Chemosphere, 2020, 254, 126827.	8.2	95
43	Enhanced sonocatalytic degradation of recalcitrant organic contaminants using a magnetically recoverable Ag/Fe-loaded activated biochar composite. Ceramics International, 2020, 46, 22521-22531.	4.8	24
44	Synthesis and characterization of novel magnetic Zr-MnFe2O4@rGO nanohybrid for efficient removal of PFOA and PFOS from aqueous solutions. Applied Surface Science, 2020, 528, 146579.	6.1	33
45	Effect of Sonicated Deionized Water on The Early Age Behavior of Portland Cement-Based Concrete and Paste. Construction and Building Materials, 2020, 247, 118571.	7.2	4
46	Fouling and Retention Mechanisms of Selected Cationic and Anionic Dyes in a Ti₃C₂T_x MXene-Ultrafiltration Hybrid System. ACS Applied Materials & Interfaces, 2020, 12, 16557-16565.	8.0	50
47	Accelerated photocatalytic degradation of organic pollutants over carbonate-rich lanthanum-substituted zinc spinel ferrite assembled reduced graphene oxide by ultraviolet (UV)-activated persulfate. Chemical Engineering Journal, 2020, 393, 124733.	12.7	67
48	Activated Carbonâ€“Metal Organic Framework Composite for the Adsorption of Contaminants of Emerging Concern from Water. ACS Applied Nano Materials, 2020, 3, 2928-2940.	5.0	32
49	Ultrasonic degradation of selected dyes using Ti3C2Tx MXene as a sonocatalyst. Ultrasonics Sonochemistry, 2020, 64, 104993.	8.2	45
50	Understanding the potential band position and eâ€“/h+ separation lifetime for Z-scheme and type-II heterojunction mechanisms for effective micropollutant mineralization: Comparative experimental and DFT studies. Applied Catalysis B: Environmental, 2020, 273, 119034.	20.2	41
51	Applications of MXene-based membranes in water purification: A review. Chemosphere, 2020, 254, 126821.	8.2	166
52	Novel Z-scheme Ag3PO4/Fe3O4-activated biochar photocatalyst with enhanced visible-light catalytic performance toward degradation of bisphenol A. Journal of Hazardous Materials, 2020, 398, 123025.	12.4	105
53	Post-Treatment of Nanofiltration Polyamide Membrane through Alkali-Catalyzed Hydrolysis to Treat Dyes in Model Wastewater. Water (Switzerland), 2019, 11, 1645.	2.7	27
54	Removal of selected endocrine-disrupting compounds using Al-based metal organic framework: Performance and mechanism of competitive adsorption. Journal of Industrial and Engineering Chemistry, 2019, 79, 345-352.	5.8	83

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55	Enhancing the removal efficiency of osmotic membrane bioreactors: A comprehensive review of influencing parameters and hybrid configurations. Chemosphere, 2019, 236, 124363.	8.2	29
56	Comprehensive evaluation of the removal mechanism of carbamazepine and ibuprofen by metal organic framework. Chemosphere, 2019, 235, 527-537.	8.2	77
57	Heterogeneous sonocatalytic degradation of an anionic dye in aqueous solution using a magnetic lanthanum dioxide carbonate-doped zinc ferrite-reduced graphene oxide nanostructure. Ecotoxicology and Environmental Safety, 2019, 182, 109396.	6.0	39
58	Preparation of Activated Biochar-Supported Magnetite Composite for Adsorption of Polychlorinated Phenols from Aqueous Solutions. Water (Switzerland), 2019, 11, 1899.	2.7	20
59	Highly efficient organic dye removal from waters by magnetically recoverable La2O2CO3/ZnFe2O4-reduced graphene oxide nanohybrid. Ceramics International, 2019, 45, 19247-19256.	4.8	52
60	Comprehensive evaluation on removal of lead by graphene oxide and metal organic framework. Chemosphere, 2019, 231, 82-92.	8.2	65
61	Removal of heavy metals from water sources in the developing world using low-cost materials: A review. Chemosphere, 2019, 229, 142-159.	8.2	579
62	Removal of contaminants of emerging concern by metal-organic framework nanoadsorbents: A review. Chemical Engineering Journal, 2019, 369, 928-946.	12.7	294
63	Enhanced sonocatalytic degradation of carbamazepine and salicylic acid using a metal-organic framework. Ultrasonics Sonochemistry, 2019, 56, 174-182.	8.2	65
64	Enhanced adsorption of bisphenol A and sulfamethoxazole by a novel magnetic CuZnFe2O4â€“biochar composite. Bioresource Technology, 2019, 281, 179-187.	9.6	210
65	Novel self-assembled 3D flower-like magnesium hydroxide coated granular polyurethane: Implication of its potential application for the removal of heavy metals. Journal of Cleaner Production, 2019, 216, 495-503.	9.3	39
66	Sonocatalytic reduction of nitrate using magnetic layered double hydroxide: Implications for removal mechanism. Chemosphere, 2019, 218, 799-809.	8.2	6
67	Potential utility of graphene-based nano spinel ferrites as adsorbent and photocatalyst for removing organic/inorganic contaminants from aqueous solutions: A mini review. Chemosphere, 2019, 221, 392-402.	8.2	131
68	Review of MXenes as new nanomaterials for energy storage/delivery and selected environmental applications. Nano Research, 2019, 12, 471-487.	10.4	358
69	Removal of selected pharmaceuticals in an ultrafiltration-activated biochar hybrid system. Journal of Membrane Science, 2019, 570-571, 77-84.	8.2	43
70	Sonophotocatalytic degradation of bisphenol A and its intermediates with graphitic carbon nitride. Environmental Science and Pollution Research, 2019, 26, 1082-1093.	5.3	63
71	Sonocatalytic degradation of carbamazepine and diclofenac in the presence of graphene oxides in aqueous solution. Chemosphere, 2018, 205, 719-727.	8.2	44
72	Synthesis, characterization and sonocatalytic applications of nano-structured carbon based TiO2 catalysts. Ultrasonics Sonochemistry, 2018, 43, 193-200.	8.2	20

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73	Heterogeneous activation of persulfate by reduced graphene oxideâ€“elemental silver/magnetite nanohybrids for the oxidative degradation of pharmaceuticals and endocrine disrupting compounds in water. Applied Catalysis B: Environmental, 2018, 225, 91-99.	20.2	144
74	Removal of contaminants of emerging concern by membranes in water and wastewater: A review. Chemical Engineering Journal, 2018, 335, 896-914.	12.7	461
75	Removal of lead and bisphenol A using magnesium silicate impregnated palm-shell waste powdered activated carbon: Comparative studies on single and binary pollutant adsorption. Ecotoxicology and Environmental Safety, 2018, 148, 142-151.	6.0	37
76	Aqueous removal of inorganic and organic contaminants by graphene-based nanoadsorbents: A review. Chemosphere, 2018, 212, 1104-1124.	8.2	114
77	Fabrication of graphene-oxide/Î²-Bi2O3/TiO2/Bi2Ti2O7 heterojuncted nanocomposite and its sonocatalytic degradation for selected pharmaceuticals. Chemosphere, 2018, 212, 723-733.	8.2	34
78	Quantitative screening for endocrine-disrupting bisphenol A in consumer and household products using NanoAptamer assay. Chemosphere, 2018, 211, 72-80.	8.2	15
79	Removal of Total Dissolved Solids from Reverse Osmosis Concentrates from a Municipal Wastewater Reclamation Plant by Aerobic Granular Sludge. Water (Switzerland), 2018, 10, 882.	2.7	6
80	Influence of solution pH, ionic strength, and humic acid on cadmium adsorption onto activated biochar: Experiment and modeling. Journal of Industrial and Engineering Chemistry, 2017, 48, 186-193.	5.8	130
81	Graphene Oxide: A Novel 2â€Ðimensional Material in Membrane Separation for Water Purification. Advanced Materials Interfaces, 2017, 4, 1600918.	3.7	154
82	Sonocatalytic degradation coupled with single-walled carbon nanotubes for removal of ibuprofen and sulfamethoxazole. Chemical Engineering Science, 2017, 162, 300-308.	3.8	51
83	Evaluation of biochar-ultrafiltration membrane processes for humic acid removal under various hydrodynamic, pH, ionic strength, and pressure conditions. Journal of Environmental Management, 2017, 197, 610-618.	7.8	27
84	Sonocatalytic removal of ibuprofen and sulfamethoxazole in the presence of different fly ash sources. Ultrasonics Sonochemistry, 2017, 39, 354-362.	8.2	33
85	Titanium dioxide-based sonophotocatalytic mineralization of bisphenol A and its intermediates. Environmental Science and Pollution Research, 2017, 24, 15488-15499.	5.3	29
86	Evaluation of fouling mechanisms for humic acid molecules in an activated biochar-ultrafiltration hybrid system. Chemical Engineering Journal, 2017, 326, 240-248.	12.7	33
87	Aggregation kinetics of single walled carbon nanotubes influenced by the frequency of ultrasound irradiation in the aquatic environment. Ultrasonics Sonochemistry, 2017, 39, 750-757.	8.2	11
88	Evaluation of graphene oxide-coated ultrafiltration membranes for humic acid removal at different pH and conductivity conditions. Separation and Purification Technology, 2017, 181, 139-147.	7.9	48
89	Evaluation of Removal Mechanisms in a Graphene Oxide-Coated Ceramic Ultrafiltration Membrane for Retention of Natural Organic Matter, Pharmaceuticals, and Inorganic Salts. ACS Applied Materials & Interfaces, 2017, 9, 40369-40377.	8.0	80
90	Ultrasonic treatment of endocrine disrupting compounds, pharmaceuticals, and personal care products in water: A review. Chemical Engineering Journal, 2017, 327, 629-647.	12.7	123

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91	Oxidative degradation of bisphenol A and 17Î±-ethinyl estradiol by Fenton-like activity of silver nanoparticles in aqueous solution. Chemosphere, 2017, 168, 617-622.	8.2	47
92	Occurrence and Removal of Engineered Nanoparticles in Drinking Water Treatment and Wastewater Treatment Processes. Separation and Purification Reviews, 2017, 46, 255-272.	5.5	53
93	Photodegradation of benzene and phenanthrene in aqueous solution using pulsed ultraviolet light. KSCE Journal of Civil Engineering, 2017, 21, 1607-1613.	1.9	4
94	Phenyl-functionalized magnetic palm-based powdered activated carbon for the effective removal of selected pharmaceutical and endocrine-disruptive compounds. Chemosphere, 2016, 152, 71-80.	8.2	71
95	Sonocatalytical degradation enhancement for ibuprofen and sulfamethoxazole in the presence of glass beads and single-walled carbon nanotubes. Ultrasonics Sonochemistry, 2016, 32, 440-448.	8.2	59
96	An efficient and economical treatment for batik textile wastewater containing high levels of silicate and organic pollutants using a sequential process of acidification, magnesium oxide, and palm shell-based activated carbon application. Journal of Environmental Management, 2016, 184, 229-239.	7.8	31
97	Evaluation of Humic Acid and Tannic Acid Fouling in Graphene Oxide-Coated Ultrafiltration Membranes. ACS Applied Materials & Interfaces, 2016, 8, 22270-22279.	8.0	56
98	Modeling the effects of surfactant, hardness, and natural organic matter on deposition and mobility of silver nanoparticles in saturated porous media. Water Research, 2016, 103, 38-47.	11.3	33
99	A probabilistic approach for estimating water permeability in pressure-driven membranes. Journal of Molecular Modeling, 2016, 22, 185.	1.8	5
100	Facile and economic one-pot synthesis of rigid functional-polyurethane for the effective treatment of heavy metal-contaminated urban storm water run-off. Desalination and Water Treatment, 2016, 57, 26114-26129.	1.0	9
101	An optimal design approach of forward osmosis and reverse osmosis hybrid process for seawater desalination. Desalination and Water Treatment, 2016, 57, 26612-26620.	1.0	13
102	Environmental behavior of engineered nanomaterials in porous media: a review. Journal of Hazardous Materials, 2016, 309, 133-150.	12.4	90
103	Sorptive removal of selected emerging contaminants using biochar in aqueous solution. Journal of Industrial and Engineering Chemistry, 2016, 36, 364-371.	5.8	71
104	TiO2 nanofiltration membranes prepared by molecular layer deposition for water purification. Journal of Membrane Science, 2016, 510, 72-78.	8.2	88
105	Recyclable magnetite-loaded palm shell-waste based activated carbon for the effective removal of methylene blue from aqueous solution. Journal of Cleaner Production, 2016, 115, 337-342.	9.3	102
106	A new fluorescence index with a fluorescence excitation-emission matrix for dissolved organic matter (DOM) characterization. Desalination and Water Treatment, 2016, 57, 20270-20282.	1.0	24
107	Organic fouling and reverse solute selectivity in forward osmosis: Role of working temperature and inorganic draw solutions. Desalination, 2016, 389, 162-170.	8.2	46
108	Specific investigation of irreversible membrane fouling in excess of critical flux for irreversibility: A pilot-scale operation for water treatment. Separation and Purification Technology, 2015, 151, 147-154.	7.9	15

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109	Synthesis Mechanism and Thermal Optimization of an Economical Mesoporous Material Using Silica: Implications for the Effective Removal or Delivery of Ibuprofen. PLoS ONE, 2015, 10, e0130253.	2.5	6
110	Enhanced Recyclable Magnetized Palm Shell Waste-Based Powdered Activated Carbon for the Removal of Ibuprofen: Insights for Kinetics and Mechanisms. PLoS ONE, 2015, 10, e0141013.	2.5	23
111	Ultrathin graphene oxide membranes for the removal of humic acid. Separation and Purification Technology, 2015, 144, 162-167.	7.9	73
112	Simultaneously photocatalytic treatment of hexavalent chromium (Cr(VI)) and endocrine disrupting compounds (EDCs) using rotating reactor under solar irradiation. Journal of Hazardous Materials, 2015, 288, 124-133.	12.4	33
113	Removal of acetaminophen and naproxen by combined coagulation and adsorption using biochar: influence of combined sewer overflow components. Environmental Science and Pollution Research, 2015, 22, 10058-10069.	5.3	58
114	Removal of endocrine disrupting compounds, pharmaceuticals, and personal care products in water using carbon nanotubes: A review. Journal of Industrial and Engineering Chemistry, 2015, 27, 1-11.	5.8	235
115	Adsorption characteristics of diclofenac and sulfamethoxazole to graphene oxide in aqueous solution. Chemosphere, 2015, 136, 20-26.	8.2	221
116	Removal of humic and tannic acids by adsorptionâ€“coagulation combined systems with activated biochar. Journal of Hazardous Materials, 2015, 300, 808-814.	12.4	78
117	Stabilization and dispersion of carbon nanomaterials in aqueous solutions: A review. Separation and Purification Technology, 2015, 156, 861-874.	7.9	70
118	Degradation characteristics of metoprolol during UV/chlorination reaction and a factorial design optimization. Journal of Hazardous Materials, 2015, 285, 453-463.	12.4	51
119	Sonocatalytic-TiO2 nanotube, Fenton, and CCl4 reactions for enhanced oxidation, and their applications to acetaminophen and naproxen degradation. Separation and Purification Technology, 2015, 141, 1-9.	7.9	60
120	Ultrafiltration Membranes with Structureâ€Optimized Grapheneâ€Oxide Coatings for Antifouling Oil/Water Separation. Advanced Materials Interfaces, 2015, 2, 1400433.	3.7	129
121	Competitive adsorption of selected non-steroidal anti-inflammatory drugs on activated biochars: Experimental and molecular modeling study. Chemical Engineering Journal, 2015, 264, 1-9.	12.7	165
122	Kinetics and degradation mechanism of clofibric acid and diclofenac in UV photolysis and UV/H₂O₂reaction. Desalination and Water Treatment, 2014, 52, 6211-6218.	1.0	25
123	Enhanced ultrasonic degradation of acetaminophen and naproxen in the presence of powdered activated carbon and biochar adsorbents. Separation and Purification Technology, 2014, 123, 96-105.	7.9	72
124	Occurrence of perchlorate in rice from different areas in the Republic of Korea. Environmental Science and Pollution Research, 2014, 21, 1251-1257.	5.3	20
125	Determination of micropollutants in combined sewer overflows and their removal in a wastewater treatment plant (Seoul, South Korea). Environmental Monitoring and Assessment, 2014, 186, 3239-3251.	2.7	73
126	Occurrence and removal of selected micropollutants in a water treatment plant. Chemosphere, 2014, 95, 156-165.	8.2	120

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127	Process control factors for continuous microbial perchlorate reduction in the presence of zero-valent iron. Frontiers of Environmental Science and Engineering, 2014, 8, 386-393.	6.0	6
128	Molecular level simulation of the adsorption of bisphenol A and 17Î±-ethinyl estradiol onto carbon nanomaterials. Separation and Purification Technology, 2013, 116, 471-478.	7.9	30
129	Adsorption of selected endocrine disrupting compounds and pharmaceuticals on activated biochars. Journal of Hazardous Materials, 2013, 263, 702-710.	12.4	294
130	Ultrasonic degradation of acetaminophen and naproxen in the presence of single-walled carbon nanotubes. Journal of Hazardous Materials, 2013, 254-255, 284-292.	12.4	65
131	Comparison of flux behavior and synthetic organic compound removal by forward osmosis and reverse osmosis membranes. Journal of Membrane Science, 2013, 443, 69-82.	8.2	68
132	Removal of bisphenol A and 17Î±-ethinyl estradiol by combined coagulation and adsorption using carbon nanomaterials and powdered activated carbon. Separation and Purification Technology, 2013, 107, 37-47.	7.9	83
133	Hexavalent chromium removal by various adsorbents: Powdered activated carbon, chitosan, and single/multi-walled carbon nanotubes. Separation and Purification Technology, 2013, 106, 63-71.	7.9	287
134	Ultrasonication Study for Suspending Single-Walled Carbon Nanotubes in Water. Journal of Nanoscience and Nanotechnology, 2012, 12, 3909-3917.	0.9	19
135	Natural organic matter removal in single-walled carbon nanotubesâ€“ultrafiltration membrane systems. Desalination, 2012, 298, 75-84.	8.2	34
136	Removal of Bisphenol A and 17Î²-Estradiol by Single-Walled Carbon Nanotubes in Aqueous Solution: Adsorption and Molecular Modeling. Water, Air, and Soil Pollution, 2012, 223, 3281-3293.	2.4	79
137	Removal of bisphenol A and 17Î²-estradiol in single walled carbon nanotubesâ€“ultrafiltration (SWNTsâ€“UF) membrane systems. Separation and Purification Technology, 2012, 90, 39-52.	7.9	111
138	Removal of natural organic matter from potential drinking water sources by combined coagulation and adsorption using carbon nanomaterials. Separation and Purification Technology, 2012, 95, 64-72.	7.9	97
139	Sonocatalytic Degradation of Naphthalene and Phenol in the Presence of Inert Glass Beads and Single-Walled Carbon Nanotubes. Journal of Nanoelectronics and Optoelectronics, 2012, 7, 522-529.	0.5	7
140	Removal of Perchlorate Using Reverse Osmosis and Nanofiltration Membranes. Environmental Engineering Research, 2012, 17, 185-190.	2.5	15
141	Comparative Study of Sonocatalytic Enhancement for Removal of Bisphenol A and 17Î±-Ethinyl Estradiol. Industrial & Engineering Chemistry Research, 2011, 50, 6638-6645.	3.7	13
142	Removal of bisphenol A and 17Î±-ethinyl estradiol from landfill leachate using single-walled carbon nanotubes. Water Research, 2011, 45, 4056-4068.	11.3	134
143	Adsorption of bisphenol A and 17Î±-ethinyl estradiol on single walled carbon nanotubes from seawater and brackish water. Desalination, 2011, 281, 68-74.	8.2	163
144	Sonochemical Degradation of Chlorinated Phenolic Compounds in Water: Effects of Physicochemical Properties of the Compounds on Degradation. Water, Air, and Soil Pollution, 2011, 215, 585-593.	2.4	36

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145	New Design Approaches for Ultrasonic Reactors: Degradation of Naphthalene and Phenol in Water. Water, Air, and Soil Pollution, 2011, 220, 173-180.	2.4	7
146	Occurrence of Perchlorate in Drinking Water and Seawater in South Korea. Archives of Environmental Contamination and Toxicology, 2011, 61, 166-172.	4.1	39
147	Sonocatalytic degradation of bisphenol A and 17Î±-ethinyl estradiol in the presence of stainless steel wire mesh catalyst in aqueous solution. Separation and Purification Technology, 2011, 78, 228-236.	7.9	30
148	Occurrence of endocrine disrupting compounds and pharmaceuticals in 11 WWTPs in Seoul, Korea. KSCE Journal of Civil Engineering, 2011, 15, 57-64.	1.9	42
149	Sonochemical enhancement of hydrogen peroxide production by inert glass beads and TiO2-coated glass beads in water. Chemical Engineering Journal, 2011, 166, 184-190.	12.7	41
150	Ultrasonic degradation of bisphenol A, 17Î²-estradiol, and 17Î±-ethinyl. Desalination and Water Treatment, 2011, 30, 300-309.	1.0	24
151	Removal of micropollutants and NOM in carbon nanotube-UF membrane system from seawater. Water Science and Technology, 2011, 63, 2737-2744.	2.5	30
152	Integration of H2-Based Membrane Biofilm Reactor with RO and NF Membranes for Removal of Chromate and Selenate. Water, Air, and Soil Pollution, 2010, 207, 29-37.	2.4	22
153	Occurrence of endocrine disrupting compounds, pharmaceuticals, and personal care products in the Han River (Seoul, South Korea). Science of the Total Environment, 2010, 408, 636-643.	8.0	312
154	Perchlorate in dairy milk and milk-based powdered infant formula in South Korea. Chemosphere, 2010, 81, 732-737.	8.2	44
155	Removal of toxic ions (chromate, arsenate, and perchlorate) using reverse osmosis, nanofiltration, and ultrafiltration membranes. Chemosphere, 2009, 77, 228-235.	8.2	181
156	Removal of endocrine disrupting compounds and pharmaceuticals by nanofiltration and ultrafiltration membranes. Desalination, 2007, 202, 16-23.	8.2	274
157	Role of membranes and activated carbon in the removal of endocrine disruptors and pharmaceuticals. Desalination, 2007, 202, 156-181.	8.2	871
158	Nanofiltration and ultrafiltration of endocrine disrupting compounds, pharmaceuticals and personal care products. Journal of Membrane Science, 2006, 270, 88-100.	8.2	408
159	Removal of organic contaminants by RO and NF membranes. Journal of Membrane Science, 2005, 261, 76-86.	8.2	160
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