

# 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  
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172  
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172  
docs citations

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times ranked

14252  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fate of Endocrine-Disruptor, Pharmaceutical, and Personal Care Product Chemicals during Simulated Drinking Water Treatment Processes. <i>Environmental Science &amp; Technology</i> , 2005, 39, 6649-6663.	10.0	1,300
2	Role of membranes and activated carbon in the removal of endocrine disruptors and pharmaceuticals. <i>Desalination</i> , 2007, 202, 156-181.	8.2	871
3	Pharmaceuticals, Personal Care Products, and Endocrine Disruptors in Water: Implications for the Water Industry. <i>Environmental Engineering Science</i> , 2003, 20, 449-469.	1.6	760
4	Removal of heavy metals from water sources in the developing world using low-cost materials: A review. <i>Chemosphere</i> , 2019, 229, 142-159.	8.2	579
5	Removal of contaminants of emerging concern by membranes in water and wastewater: A review. <i>Chemical Engineering Journal</i> , 2018, 335, 896-914.	12.7	461
6	Characterization of DOM as a function of MW by fluorescence EEM and HPLC-SEC using UVA, DOC, and fluorescence detection. <i>Water Research</i> , 2003, 37, 4295-4303.	11.3	437
7	Nanofiltration and ultrafiltration of endocrine disrupting compounds, pharmaceuticals and personal care products. <i>Journal of Membrane Science</i> , 2006, 270, 88-100.	8.2	408
8	Review of MXenes as new nanomaterials for energy storage/delivery and selected environmental applications. <i>Nano Research</i> , 2019, 12, 471-487.	10.4	358
9	Occurrence of endocrine disrupting compounds, pharmaceuticals, and personal care products in the Han River (Seoul, South Korea). <i>Science of the Total Environment</i> , 2010, 408, 636-643.	8.0	312
10	Adsorption of selected endocrine disrupting compounds and pharmaceuticals on activated biochars. <i>Journal of Hazardous Materials</i> , 2013, 263, 702-710.	12.4	294
11	Removal of contaminants of emerging concern by metal-organic framework nanoadsorbents: A review. <i>Chemical Engineering Journal</i> , 2019, 369, 928-946.	12.7	294
12	Hexavalent chromium removal by various adsorbents: Powdered activated carbon, chitosan, and single/multi-walled carbon nanotubes. <i>Separation and Purification Technology</i> , 2013, 106, 63-71.	7.9	287
13	Removal of endocrine disrupting compounds and pharmaceuticals by nanofiltration and ultrafiltration membranes. <i>Desalination</i> , 2007, 202, 16-23.	8.2	274
14	HPLC-fluorescence detection and adsorption of bisphenol A, 17 $\beta$ -estradiol, and 17 $\alpha$ -ethynyl estradiol on powdered activated carbon. <i>Water Research</i> , 2003, 37, 3530-3537.	11.3	268
15	Removal of endocrine disrupting compounds, pharmaceuticals, and personal care products in water using carbon nanotubes: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 27, 1-11.	5.8	235
16	Adsorption characteristics of diclofenac and sulfamethoxazole to graphene oxide in aqueous solution. <i>Chemosphere</i> , 2015, 136, 20-26.	8.2	221
17	Enhanced adsorption of bisphenol A and sulfamethoxazole by a novel magnetic CuZnFe <sub>2</sub> O <sub>4</sub> "biochar composite. <i>Bioresource Technology</i> , 2019, 281, 179-187.	9.6	210
18	Removal of toxic ions (chromate, arsenate, and perchlorate) using reverse osmosis, nanofiltration, and ultrafiltration membranes. <i>Chemosphere</i> , 2009, 77, 228-235.	8.2	181

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19	Applications of MXene-based membranes in water purification: A review. <i>Chemosphere</i> , 2020, 254, 126821.	8.2	166
20	Competitive adsorption of selected non-steroidal anti-inflammatory drugs on activated biochars: Experimental and molecular modeling study. <i>Chemical Engineering Journal</i> , 2015, 264, 1-9.	12.7	165
21	Adsorption of bisphenol A and 17 $\beta$ -ethinyl estradiol on single walled carbon nanotubes from seawater and brackish water. <i>Desalination</i> , 2011, 281, 68-74.	8.2	163
22	Removal of organic contaminants by RO and NF membranes. <i>Journal of Membrane Science</i> , 2005, 261, 76-86.	8.2	160
23	Graphene Oxide: A Novel 2D-Dimensional Material in Membrane Separation for Water Purification. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600918.	3.7	154
24	Heterogeneous activation of persulfate by reduced graphene oxide-“elemental silver/magnetite nanohybrids for the oxidative degradation of pharmaceuticals and endocrine disrupting compounds in water. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 91-99.	20.2	144
25	Removal of bisphenol A and 17 $\beta$ -ethinyl estradiol from landfill leachate using single-walled carbon nanotubes. <i>Water Research</i> , 2011, 45, 4056-4068.	11.3	134
26	Applications of metal-organic framework based membranes in water purification: A review. <i>Separation and Purification Technology</i> , 2020, 247, 116947.	7.9	134
27	Potential utility of graphene-based nano spinel ferrites as adsorbent and photocatalyst for removing organic/inorganic contaminants from aqueous solutions: A mini review. <i>Chemosphere</i> , 2019, 221, 392-402.	8.2	131
28	Influence of solution pH, ionic strength, and humic acid on cadmium adsorption onto activated biochar: Experiment and modeling. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 48, 186-193.	5.8	130
29	Ultrafiltration Membranes with Structure-Optimized Graphene-Oxide Coatings for Antifouling Oil/Water Separation. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400433.	3.7	129
30	Ultrasonic treatment of endocrine disrupting compounds, pharmaceuticals, and personal care products in water: A review. <i>Chemical Engineering Journal</i> , 2017, 327, 629-647.	12.7	123
31	Adsorption of selected dyes on Ti3C2Tx MXene and Al-based metal-organic framework. <i>Ceramics International</i> , 2020, 46, 2960-2968.	4.8	123
32	Occurrence and removal of selected micropollutants in a water treatment plant. <i>Chemosphere</i> , 2014, 95, 156-165.	8.2	120
33	Enhanced adsorption performance for selected pharmaceutical compounds by sonicated Ti3C2Tx MXene. <i>Chemical Engineering Journal</i> , 2021, 406, 126789.	12.7	116
34	Aqueous removal of inorganic and organic contaminants by graphene-based nanoadsorbents: A review. <i>Chemosphere</i> , 2018, 212, 1104-1124.	8.2	114
35	Oxidation of bisphenol A, 17 $\beta$ -estradiol, and 17 $\beta$ -ethinyl estradiol and byproduct estrogenicity. <i>Environmental Toxicology</i> , 2004, 19, 257-264.	4.0	112
36	Removal of bisphenol A and 17 $\beta$ -estradiol in single walled carbon nanotubes-“ultrafiltration (SWNTs-UF) membrane systems. <i>Separation and Purification Technology</i> , 2012, 90, 39-52.	7.9	111

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37	A review on MXene-based nanomaterials as adsorbents in aqueous solution. <i>Chemosphere</i> , 2020, 261, 127781.	8.2	111
38	Novel Z-scheme Ag <sub>3</sub> PO <sub>4</sub> /Fe <sub>3</sub> O <sub>4</sub> -activated biochar photocatalyst with enhanced visible-light catalytic performance toward degradation of bisphenol A. <i>Journal of Hazardous Materials</i> , 2020, 398, 123025.	12.4	105
39	Recyclable magnetite-loaded palm shell-waste based activated carbon for the effective removal of methylene blue from aqueous solution. <i>Journal of Cleaner Production</i> , 2016, 115, 337-342.	9.3	102
40	Removal of natural organic matter from potential drinking water sources by combined coagulation and adsorption using carbon nanomaterials. <i>Separation and Purification Technology</i> , 2012, 95, 64-72.	7.9	97
41	Ultrasound-assisted Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene adsorption of dyes: Removal performance and mechanism analyses via dynamic light scattering. <i>Chemosphere</i> , 2020, 254, 126827.	8.2	95
42	Catalytic oxidation of naproxen in cobalt spinel ferrite decorated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene activated persulfate system: Mechanisms and pathways. <i>Chemical Engineering Journal</i> , 2021, 407, 127842.	12.7	95
43	Environmental behavior of engineered nanomaterials in porous media: a review. <i>Journal of Hazardous Materials</i> , 2016, 309, 133-150.	12.4	90
44	TiO <sub>2</sub> nanofiltration membranes prepared by molecular layer deposition for water purification. <i>Journal of Membrane Science</i> , 2016, 510, 72-78.	8.2	88
45	Review of MXene-based nanocomposites for photocatalysis. <i>Chemosphere</i> , 2021, 270, 129478.	8.2	88
46	Biological and Physical Attenuation of Endocrine Disruptors and Pharmaceuticals: Implications for Water Reuse. <i>Ground Water Monitoring and Remediation</i> , 2004, 24, 108-118.	0.8	84
47	Removal of bisphenol A and 17 $\beta$ -ethinyl estradiol by combined coagulation and adsorption using carbon nanomaterials and powdered activated carbon. <i>Separation and Purification Technology</i> , 2013, 107, 37-47.	7.9	83
48	Removal of selected endocrine-disrupting compounds using Al-based metal organic framework: Performance and mechanism of competitive adsorption. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 79, 345-352.	5.8	83
49	Review of adsorptionâ€‘membrane hybrid systems for water and wastewater treatment. <i>Chemosphere</i> , 2022, 286, 131916.	8.2	83
50	Evaluation of Removal Mechanisms in a Graphene Oxide-Coated Ceramic Ultrafiltration Membrane for Retention of Natural Organic Matter, Pharmaceuticals, and Inorganic Salts. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40369-40377.	8.0	80
51	Removal of Bisphenol A and 17 $\beta$ -Estradiol by Single-Walled Carbon Nanotubes in Aqueous Solution: Adsorption and Molecular Modeling. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3281-3293.	2.4	79
52	Removal of humic and tannic acids by adsorptionâ€‘coagulation combined systems with activated biochar. <i>Journal of Hazardous Materials</i> , 2015, 300, 808-814.	12.4	78
53	Adsorption of Ba <sup>2+</sup> and Sr <sup>2+</sup> on Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene in model fracking wastewater. <i>Journal of Environmental Management</i> , 2020, 256, 109940.	7.8	78
54	Comprehensive evaluation of the removal mechanism of carbamazepine and ibuprofen by metal organic framework. <i>Chemosphere</i> , 2019, 235, 527-537.	8.2	77

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55	Selected advanced water treatment technologies for perfluoroalkyl and polyfluoroalkyl substances: A review. <i>Separation and Purification Technology</i> , 2020, 231, 115929.	7.9	76
56	Removal of 17 $\beta$ Estradiol and Fluoranthene by Nanofiltration and Ultrafiltration. <i>Journal of Environmental Engineering, ASCE</i> , 2004, 130, 1460-1467.	1.4	74
57	Determination of micropollutants in combined sewer overflows and their removal in a wastewater treatment plant (Seoul, South Korea). <i>Environmental Monitoring and Assessment</i> , 2014, 186, 3239-3251.	2.7	73
58	Ultrathin graphene oxide membranes for the removal of humic acid. <i>Separation and Purification Technology</i> , 2015, 144, 162-167.	7.9	73
59	Enhanced ultrasonic degradation of acetaminophen and naproxen in the presence of powdered activated carbon and biochar adsorbents. <i>Separation and Purification Technology</i> , 2014, 123, 96-105.	7.9	72
60	Selective adsorption of Cs <sup>+</sup> by MXene (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) from model low-level radioactive wastewater. <i>Nuclear Engineering and Technology</i> , 2020, 52, 1201-1207.	2.3	72
61	Phenyl-functionalized magnetic palm-based powdered activated carbon for the effective removal of selected pharmaceutical and endocrine-disruptive compounds. <i>Chemosphere</i> , 2016, 152, 71-80.	8.2	71
62	Sorptive removal of selected emerging contaminants using biochar in aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 36, 364-371.	5.8	71
63	Stabilization and dispersion of carbon nanomaterials in aqueous solutions: A review. <i>Separation and Purification Technology</i> , 2015, 156, 861-874.	7.9	70
64	Effects of retained natural organic matter (NOM) on NOM rejection and membrane flux decline with nanofiltration and ultrafiltration. <i>Desalination</i> , 2005, 173, 209-221.	8.2	68
65	Comparison of flux behavior and synthetic organic compound removal by forward osmosis and reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2013, 443, 69-82.	8.2	68
66	Accelerated photocatalytic degradation of organic pollutants over carbonate-rich lanthanum-substituted zinc spinel ferrite assembled reduced graphene oxide by ultraviolet (UV)-activated persulfate. <i>Chemical Engineering Journal</i> , 2020, 393, 124733.	12.7	67
67	2D/2D nitrogen-rich graphitic carbon nitride coupled Bi <sub>2</sub> WO <sub>6</sub> S-scheme heterojunction for boosting photodegradation of tetracycline: Influencing factors, intermediates, and insights into the mechanism. <i>Composites Part B: Engineering</i> , 2022, 234, 109726.	12.0	67
68	Ultrasonic degradation of acetaminophen and naproxen in the presence of single-walled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2013, 254-255, 284-292.	12.4	65
69	Comprehensive evaluation on removal of lead by graphene oxide and metal organic framework. <i>Chemosphere</i> , 2019, 231, 82-92.	8.2	65
70	Enhanced sonocatalytic degradation of carbamazepine and salicylic acid using a metal-organic framework. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 174-182.	8.2	65
71	Sonophotocatalytic degradation of bisphenol A and its intermediates with graphitic carbon nitride. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1082-1093.	5.3	63
72	Effective removal of Pb(II) from synthetic wastewater using Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 173-180.	2.4	62

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73	Fluoride removal by palm shell waste based powdered activated carbon vs. functionalized carbon with magnesium silicate: Implications for their application in water treatment. <i>Chemosphere</i> , 2020, 239, 124765.	8.2	61
74	Sonocatalytic-TiO <sub>2</sub> nanotube, Fenton, and CCl <sub>4</sub> reactions for enhanced oxidation, and their applications to acetaminophen and naproxen degradation. <i>Separation and Purification Technology</i> , 2015, 141, 1-9.	7.9	60
75	Sonocatalytical degradation enhancement for ibuprofen and sulfamethoxazole in the presence of glass beads and single-walled carbon nanotubes. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 440-448.	8.2	59
76	Removal of acetaminophen and naproxen by combined coagulation and adsorption using biochar: influence of combined sewer overflow components. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10058-10069.	5.3	58
77	Evaluation of Humic Acid and Tannic Acid Fouling in Graphene Oxide-Coated Ultrafiltration Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 22270-22279.	8.0	56
78	Use of surfactant modified ultrafiltration for perchlorate (ClO <sub>4</sub> <sup>-</sup> ) removal. <i>Water Research</i> , 2003, 37, 2001-2012.	11.3	55
79	Occurrence and Removal of Engineered Nanoparticles in Drinking Water Treatment and Wastewater Treatment Processes. <i>Separation and Purification Reviews</i> , 2017, 46, 255-272.	5.5	53
80	Highly efficient organic dye removal from waters by magnetically recoverable La <sub>2</sub> O <sub>3</sub> /ZnFe <sub>2</sub> O <sub>4</sub> -reduced graphene oxide nanohybrid. <i>Ceramics International</i> , 2019, 45, 19247-19256.	4.8	52
81	Degradation characteristics of metoprolol during UV/chlorination reaction and a factorial design optimization. <i>Journal of Hazardous Materials</i> , 2015, 285, 453-463.	12.4	51
82	Sonocatalytic degradation coupled with single-walled carbon nanotubes for removal of ibuprofen and sulfamethoxazole. <i>Chemical Engineering Science</i> , 2017, 162, 300-308.	3.8	51
83	Fouling and Retention Mechanisms of Selected Cationic and Anionic Dyes in a Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene-Ultrafiltration Hybrid System. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 16557-16565.	8.0	50
84	The application of microalgae in removing organic micropollutants in wastewater. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 1187-1220.	12.8	50
85	Transport of perchlorate (ClO <sub>4</sub> <sup>-</sup> ) through NF and UF membranes. <i>Desalination</i> , 2002, 147, 11-17.	8.2	49
86	Evaluation of graphene oxide-coated ultrafiltration membranes for humic acid removal at different pH and conductivity conditions. <i>Separation and Purification Technology</i> , 2017, 181, 139-147.	7.9	48
87	Rational construction of CeO <sub>2</sub> @ZrO <sub>2</sub> @MoS <sub>2</sub> hybrid nanoflowers for enhanced sonophotocatalytic degradation of naproxen: Mechanisms and degradation pathways. <i>Composites Part B: Engineering</i> , 2021, 215, 108780.	12.0	48
88	Oxidative degradation of bisphenol A and 17 $\beta$ -ethinyl estradiol by Fenton-like activity of silver nanoparticles in aqueous solution. <i>Chemosphere</i> , 2017, 168, 617-622.	8.2	47
89	A metal organic framework-ultrafiltration hybrid system for removing selected pharmaceuticals and natural organic matter. <i>Chemical Engineering Journal</i> , 2020, 382, 122920.	12.7	47
90	Organic fouling and reverse solute selectivity in forward osmosis: Role of working temperature and inorganic draw solutions. <i>Desalination</i> , 2016, 389, 162-170.	8.2	46

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91	Application of perovskite oxides and their composites for degrading organic pollutants from wastewater using advanced oxidation processes: Review of the recent progress. <i>Journal of Hazardous Materials</i> , 2022, 436, 129074.	12.4	46
92	Ultrasonic degradation of selected dyes using Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene as a sonocatalyst. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 104993.	8.2	45
93	Perchlorate in dairy milk and milk-based powdered infant formula in South Korea. <i>Chemosphere</i> , 2010, 81, 732-737.	8.2	44
94	Sonocatalytic degradation of carbamazepine and diclofenac in the presence of graphene oxides in aqueous solution. <i>Chemosphere</i> , 2018, 205, 719-727.	8.2	44
95	Removal of selected pharmaceuticals in an ultrafiltration-activated biochar hybrid system. <i>Journal of Membrane Science</i> , 2019, 570-571, 77-84.	8.2	43
96	Occurrence of endocrine disrupting compounds and pharmaceuticals in 11 WWTPs in Seoul, Korea. <i>KSCE Journal of Civil Engineering</i> , 2011, 15, 57-64.	1.9	42
97	Sonochemical enhancement of hydrogen peroxide production by inert glass beads and TiO <sub>2</sub> -coated glass beads in water. <i>Chemical Engineering Journal</i> , 2011, 166, 184-190.	12.7	41
98	Understanding the potential band position and e <sup>-</sup> /h <sup>+</sup> separation lifetime for Z-scheme and type-II heterojunction mechanisms for effective micropollutant mineralization: Comparative experimental and DFT studies. <i>Applied Catalysis B: Environmental</i> , 2020, 273, 119034.	20.2	41
99	Interfacial coupling perovskite CeFeO <sub>3</sub> on layered graphitic carbon nitride as a multifunctional Z-scheme photocatalyst for boosting nitrogen fixation and organic pollutants demineralization. <i>Chemical Engineering Journal</i> , 2022, 427, 131406.	12.7	41
100	Occurrence of Perchlorate in Drinking Water and Seawater in South Korea. <i>Archives of Environmental Contamination and Toxicology</i> , 2011, 61, 166-172.	4.1	39
101	Heterogeneous sonocatalytic degradation of an anionic dye in aqueous solution using a magnetic lanthanum dioxide carbonate-doped zinc ferrite-reduced graphene oxide nanostructure. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109396.	6.0	39
102	Novel self-assembled 3D flower-like magnesium hydroxide coated granular polyurethane: Implication of its potential application for the removal of heavy metals. <i>Journal of Cleaner Production</i> , 2019, 216, 495-503.	9.3	39
103	Removal of lead and bisphenol A using magnesium silicate impregnated palm-shell waste powdered activated carbon: Comparative studies on single and binary pollutant adsorption. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 142-151.	6.0	37
104	Sonochemical Degradation of Chlorinated Phenolic Compounds in Water: Effects of Physicochemical Properties of the Compounds on Degradation. <i>Water, Air, and Soil Pollution</i> , 2011, 215, 585-593.	2.4	36
105	Natural organic matter removal in single-walled carbon nanotubes-ultrafiltration membrane systems. <i>Desalination</i> , 2012, 298, 75-84.	8.2	34
106	Fabrication of graphene-oxide/ <sup>2</sup> -Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> /Bi <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> heterojuncted nanocomposite and its sonocatalytic degradation for selected pharmaceuticals. <i>Chemosphere</i> , 2018, 212, 723-733.	8.2	34
107	Simultaneously photocatalytic treatment of hexavalent chromium (Cr(VI)) and endocrine disrupting compounds (EDCs) using rotating reactor under solar irradiation. <i>Journal of Hazardous Materials</i> , 2015, 288, 124-133.	12.4	33
108	Modeling the effects of surfactant, hardness, and natural organic matter on deposition and mobility of silver nanoparticles in saturated porous media. <i>Water Research</i> , 2016, 103, 38-47.	11.3	33

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109	Sonocatalytic removal of ibuprofen and sulfamethoxazole in the presence of different fly ash sources. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 354-362.	8.2	33
110	Evaluation of fouling mechanisms for humic acid molecules in an activated biochar-ultrafiltration hybrid system. <i>Chemical Engineering Journal</i> , 2017, 326, 240-248.	12.7	33
111	Synthesis and characterization of novel magnetic Zr-MnFe <sub>2</sub> O <sub>4</sub> @rGO nanohybrid for efficient removal of PFOA and PFOS from aqueous solutions. <i>Applied Surface Science</i> , 2020, 528, 146579.	6.1	33
112	Remarkable adsorption for hazardous organic and inorganic contaminants by multifunctional amorphous core-shell structures of metal-organic framework-alginate composites. <i>Chemical Engineering Journal</i> , 2022, 431, 133415.	12.7	33
113	Activated Carbon-Metal Organic Framework Composite for the Adsorption of Contaminants of Emerging Concern from Water. <i>ACS Applied Nano Materials</i> , 2020, 3, 2928-2940.	5.0	32
114	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. <i>Journal of Environmental Management</i> , 2016, 184, 229-239.	7.8	31
115	Sonocatalytic degradation of bisphenol A and 17 $\beta$ -ethinyl estradiol in the presence of stainless steel wire mesh catalyst in aqueous solution. <i>Separation and Purification Technology</i> , 2011, 78, 228-236.	7.9	30
116	Removal of micropollutants and NOM in carbon nanotube-UF membrane system from seawater. <i>Water Science and Technology</i> , 2011, 63, 2737-2744.	2.5	30
117	Molecular level simulation of the adsorption of bisphenol A and 17 $\beta$ -ethinyl estradiol onto carbon nanomaterials. <i>Separation and Purification Technology</i> , 2013, 116, 471-478.	7.9	30
118	Titanium dioxide-based sonophotocatalytic mineralization of bisphenol A and its intermediates. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15488-15499.	5.3	29
119	Enhancing the removal efficiency of osmotic membrane bioreactors: A comprehensive review of influencing parameters and hybrid configurations. <i>Chemosphere</i> , 2019, 236, 124363.	8.2	29
120	Granular Mg-Fe layered double hydroxide prepared using dual polymers: Insights into synergistic removal of As(III) and As(V). <i>Journal of Hazardous Materials</i> , 2021, 403, 123883.	12.4	29
121	Hierarchical CoTiO <sub>3</sub> microrods on Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene heterostructure as an efficient sonocatalyst for bisphenol A degradation. <i>Journal of Molecular Liquids</i> , 2021, 344, 117740.	4.9	29
122	Evaluation of biochar-ultrafiltration membrane processes for humic acid removal under various hydrodynamic, pH, ionic strength, and pressure conditions. <i>Journal of Environmental Management</i> , 2017, 197, 610-618.	7.8	27
123	Post-Treatment of Nanofiltration Polyamide Membrane through Alkali-Catalyzed Hydrolysis to Treat Dyes in Model Wastewater. <i>Water (Switzerland)</i> , 2019, 11, 1645.	2.7	27
124	Kinetics and degradation mechanism of clofibric acid and diclofenac in UV photolysis and UV/H <sub>2</sub> O <sub>2</sub> reaction. <i>Desalination and Water Treatment</i> , 2014, 52, 6211-6218.	1.0	25
125	Application of a Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene-Coated Membrane for Removal of Selected Natural Organic Matter and Pharmaceuticals. <i>ACS ES&amp;T Water</i> , 2021, 1, 2164-2173.	4.6	25
126	Degradation synergism between sonolysis and photocatalysis for organic pollutants with different hydrophobicity: A perspective of mechanism and application for high mineralization efficiency. <i>Journal of Hazardous Materials</i> , 2021, 416, 125787.	12.4	25

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127	Ultrasonic degradation of bisphenol A, 17 $\beta$ -estradiol, and 17 $\beta$ -ethinyl. <i>Desalination and Water Treatment</i> , 2011, 30, 300-309.	1.0	24
128	A new fluorescence index with a fluorescence excitation-emission matrix for dissolved organic matter (DOM) characterization. <i>Desalination and Water Treatment</i> , 2016, 57, 20270-20282.	1.0	24
129	Enhanced sonocatalytic degradation of recalcitrant organic contaminants using a magnetically recoverable Ag/Fe-loaded activated biochar composite. <i>Ceramics International</i> , 2020, 46, 22521-22531.	4.8	24
130	Enhanced Recyclable Magnetized Palm Shell Waste-Based Powdered Activated Carbon for the Removal of Ibuprofen: Insights for Kinetics and Mechanisms. <i>PLoS ONE</i> , 2015, 10, e0141013.	2.5	23
131	Enhancement of membrane system performance using artificial intelligence technologies for sustainable water and wastewater treatment: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3689-3719.	12.8	23
132	Optimal cleaning strategy to alleviate fouling in membrane distillation process to treat anaerobic digestate. <i>Chemosphere</i> , 2021, 279, 130524.	8.2	23
133	Integration of H <sub>2</sub> -Based Membrane Biofilm Reactor with RO and NF Membranes for Removal of Chromate and Selenate. <i>Water, Air, and Soil Pollution</i> , 2010, 207, 29-37.	2.4	22
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