

# Kun-Yi Andrew Lin

## List of Publications by Year in descending order

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280  
papers

11,822  
citations

26630

56  
h-index

42399

92  
g-index

283  
all docs

283  
docs citations

283  
times ranked

9452  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the recent advances on the treatment of industrial wastewaters by Sulfate Radical-based Advanced Oxidation Processes (SR-AOPs). <i>Chemical Engineering Journal</i> , 2021, 406, 127083.	12.7	747
2	Ultra-high adsorption capacity of zeolitic imidazole framework-67 (ZIF-67) for removal of malachite green from water. <i>Chemosphere</i> , 2015, 139, 624-631.	8.2	355
3	Adsorption of fluoride to UiO-66-NH <sub>2</sub> in water: Stability, kinetic, isotherm and thermodynamic studies. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 79-87.	9.4	272
4	Magnetic cobalt-graphene nanocomposite derived from self-assembly of MOFs with graphene oxide as an activator for peroxymonosulfate. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9480-9490.	10.3	253
5	Degradation of Bisphenol A using peroxymonosulfate activated by one-step prepared sulfur-doped carbon nitride as a metal-free heterogeneous catalyst. <i>Chemical Engineering Journal</i> , 2017, 313, 1320-1327.	12.7	247
6	Zeolitic Imidazole Framework-67 (ZIF-67) as a heterogeneous catalyst to activate peroxymonosulfate for degradation of Rhodamine B in water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 53, 40-45.	5.3	240
7	One-step synthesis of novel Fe <sub>3</sub> C@nitrogen-doped carbon nanotubes/graphene nanosheets for catalytic degradation of Bisphenol A in the presence of peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2019, 356, 1022-1031.	12.7	174
8	Self-assembled magnetic graphene supported ZIF-67 as a recoverable and efficient adsorbent for benzotriazole. <i>Chemical Engineering Journal</i> , 2016, 284, 1017-1027.	12.7	169
9	Iron-based metal organic framework, MIL-88A, as a heterogeneous persulfate catalyst for decolorization of Rhodamine B in water. <i>RSC Advances</i> , 2015, 5, 32520-32530.	3.6	168
10	Zirconium-based metal organic frameworks: Highly selective adsorbents for removal of phosphate from water and urine. <i>Materials Chemistry and Physics</i> , 2015, 160, 168-176.	4.0	167
11	Aluminium-biochar composites as sustainable heterogeneous catalysts for glucose isomerisation in a biorefinery. <i>Green Chemistry</i> , 2019, 21, 1267-1281.	9.0	157
12	Ruthenium supported on ZIF-67 as an enhanced catalyst for hydrogen generation from hydrolysis of sodium borohydride. <i>Chemical Engineering Journal</i> , 2018, 351, 48-55.	12.7	156
13	Copper-based metal organic framework (MOF), HKUST-1, as an efficient adsorbent to remove p-nitrophenol from water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 50, 223-228.	5.3	147
14	LaMO <sub>3</sub> perovskites (M=Co, Cu, Fe and Ni) as heterogeneous catalysts for activating peroxymonosulfate in water. <i>Chemical Engineering Science</i> , 2017, 160, 96-105.	3.8	136
15	Polyaniline: A New Metal-Free Catalyst for Peroxymonosulfate Activation with Highly Efficient and Durable Removal of Organic Pollutants. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9771-9780.	10.0	129
16	Effects of Bonding Types and Functional Groups on CO <sub>2</sub> Capture using Novel Multiphase Systems of Liquid-like Nanoparticle Organic Hybrid Materials. <i>Environmental Science &amp; Technology</i> , 2011, 45, 6633-6639.	10.0	128
17	Efficient treatment for landfill leachate through sequential electrocoagulation, electrooxidation and PMS/UV/CuFe <sub>2</sub> O <sub>4</sub> process. <i>Separation and Purification Technology</i> , 2020, 242, 116828.	7.9	128
18	Nitrogen, phosphorus, and sulfur tri-doped hollow carbon shells derived from ZIF-67@poly(cyclotriphosphazene-co-4, 4'-sulfonyldiphenol) as a robust catalyst of peroxymonosulfate activation for degradation of bisphenol A. <i>Carbon</i> , 2018, 137, 291-303.	10.3	124

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19	Human-Hair-Derived N, S-Doped Porous Carbon: An Enrichment and Degradation System for Wastewater Remediation in the Presence of Peroxymonosulfate. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2718-2727.	6.7	124
20	MOF-derived magnetic carbonaceous nanocomposite as a heterogeneous catalyst to activate oxone for decolorization of Rhodamine B in water. <i>Chemosphere</i> , 2015, 130, 66-72.	8.2	121
21	Metal-organic frameworks for pesticidal persistent organic pollutants detection and adsorption – A mini review. <i>Journal of Hazardous Materials</i> , 2021, 413, 125325.	12.4	119
22	Insights into paracetamol degradation in aqueous solutions by ultrasound-assisted heterogeneous electro-Fenton process: Key operating parameters, mineralization and toxicity assessment. <i>Separation and Purification Technology</i> , 2021, 266, 118533.	7.9	113
23	Prussian blue analogue derived magnetic carbon/cobalt/iron nanocomposite as an efficient and recyclable catalyst for activation of peroxydisulfate. <i>Chemosphere</i> , 2017, 166, 146-156.	8.2	111
24	Multi-functional MOF-derived magnetic carbon sponge. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13611-13625.	10.3	110
25	Removing oil droplets from water using a copper-based metal organic frameworks. <i>Chemical Engineering Journal</i> , 2014, 249, 293-301.	12.7	107
26	Oxidative removal of benzotriazole using peroxydisulfate/ozone/ultrasound: Synergy, optimization, degradation intermediates and utilizing for real wastewater. <i>Chemosphere</i> , 2020, 244, 125326.	8.2	107
27	Removal of oil droplets from contaminated water using magnetic carbon nanotubes. <i>Water Research</i> , 2013, 47, 4198-4205.	11.3	106
28	Acetaminophen removal from aqueous solutions through peroxydisulfate activation by CoFe <sub>2</sub> O <sub>4</sub> /mpg-C <sub>3</sub> N <sub>4</sub> nanocomposite: Insight into the performance and degradation kinetics. <i>Environmental Technology and Innovation</i> , 2020, 20, 101127.	6.1	104
29	Efficient hydrogen production from NaBH <sub>4</sub> hydrolysis catalyzed by a magnetic cobalt/carbon composite derived from a zeolitic imidazolate framework. <i>Chemical Engineering Journal</i> , 2016, 296, 243-251.	12.7	103
30	Efficient elimination of caffeine from water using Oxone activated by a magnetic and recyclable cobalt/carbon nanocomposite derived from ZIF-67. <i>Dalton Transactions</i> , 2016, 45, 3541-3551.	3.3	101
31	Recently developed methods to enhance stability of heterogeneous catalysts for conversion of biomass-derived feedstocks. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1-11.	2.7	96
32	Electrochemical activation of peroxides for treatment of contaminated water with landfill leachate: Efficacy, toxicity and biodegradability evaluation. <i>Chemosphere</i> , 2021, 279, 130610.	8.2	95
33	Co-culture of microalgae-activated sludge for wastewater treatment and biomass production: Exploring their role under different inoculation ratios. <i>Bioresource Technology</i> , 2020, 314, 123754.	9.6	93
34	Propylene carbonate and Î <sup>3</sup> -valerolactone as green solvents enhance Sn(IV)-catalysed hydroxymethylfurfural (HMF) production from bread waste. <i>Green Chemistry</i> , 2018, 20, 2064-2074.	9.0	85
35	Enhanced degradation of paracetamol in water using sulfate radical-based advanced oxidation processes catalyzed by 3-dimensional Co <sub>3</sub> O <sub>4</sub> nanoflower. <i>Chemical Engineering Journal</i> , 2019, 373, 1329-1337.	12.7	84
36	Enhanced removal of diclofenac from water using a zeolitic imidazole framework functionalized with cetyltrimethylammonium bromide (CTAB). <i>RSC Advances</i> , 2015, 5, 81330-81340.	3.6	83

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37	Acetaminophen degradation by a synergistic peracetic acid/LVC-LED/Fe(II) advanced oxidation process: Kinetic assessment, process feasibility and mechanistic considerations. <i>Chemosphere</i> , 2021, 263, 128119.	8.2	80
38	Magnetic carbon-supported cobalt derived from a Prussian blue analogue as a heterogeneous catalyst to activate peroxymonosulfate for efficient degradation of caffeine in water. <i>Journal of Colloid and Interface Science</i> , 2017, 486, 255-264.	9.4	79
39	Mini review on H <sub>2</sub> production from electrochemical water splitting according to special nanostructured morphology of electrocatalysts. <i>Fuel</i> , 2022, 308, 122048.	6.4	78
40	Evaluating Prussian blue analogues M <sup>III</sup> [M <sup>II</sup> (CN) <sub>6</sub> ] <sub>2</sub> (M <sup>II</sup> = Co, Cu, Fe, Mn, Ni; M <sup>III</sup> = Co, Fe) as activators for peroxymonosulfate in water. <i>RSC Advances</i> , 2016, 6, 92923-92933.	3.6	76
41	Efficient demulsification of oil-in-water emulsions using a zeolitic imidazolate framework: Adsorptive removal of oil droplets from water. <i>Journal of Colloid and Interface Science</i> , 2016, 478, 97-106.	9.4	76
42	Efficient Adsorptive Removal of Humic Acid from Water Using Zeolitic Imidazole Framework-8 (ZIF-8). <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	75
43	Waste-derived compost and biochar amendments for stormwater treatment in bioretention column: Co-transport of metals and colloids. <i>Journal of Hazardous Materials</i> , 2020, 383, 121243.	12.4	75
44	Investigation of CO <sub>2</sub> capture mechanisms of liquid-like nanoparticle organic hybrid materials via structural characterization. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 18115.	2.8	72
45	Ferrocene-functionalized graphitic carbon nitride as an enhanced heterogeneous catalyst of Fenton reaction for degradation of Rhodamine B under visible light irradiation. <i>Chemosphere</i> , 2017, 182, 54-64.	8.2	72
46	Hydroxylation and sodium intercalation on g-C <sub>3</sub> N <sub>4</sub> for photocatalytic removal of gaseous formaldehyde. <i>Carbon</i> , 2021, 175, 467-477.	10.3	68
47	Highly efficient removal of Malachite green from water by a magnetic reduced graphene oxide/zeolitic imidazolate framework self-assembled nanocomposite. <i>Applied Surface Science</i> , 2016, 361, 114-121.	6.1	66
48	Dual-functionalized cellulose nanofibrils prepared through TEMPO-mediated oxidation and surface-initiated ATRP. <i>Polymer</i> , 2015, 72, 395-405.	3.8	65
49	Cobalt ferrite nanoparticles supported on electrospun carbon fiber as a magnetic heterogeneous catalyst for activating peroxymonosulfate. <i>Chemosphere</i> , 2018, 208, 502-511.	8.2	65
50	Amine-Functionalized Metal-Organic Frameworks and Covalent Organic Polymers as Potential Sorbents for Removal of Formaldehyde in Aqueous Phase: Experimental Versus Theoretical Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 1426-1439.	8.0	65
51	Magnetically controllable Pickering emulsion prepared by a reduced graphene oxide-iron oxide composite. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 296-305.	9.4	64
52	Enhanced electro-peroxone using ultrasound irradiation for the degradation of organic compounds: A comparative study. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104167.	6.7	63
53	Current application of algae derivatives for bioplastic production: A review. <i>Bioresource Technology</i> , 2022, 347, 126698.	9.6	60
54	Magnetic iron/carbon nanorods derived from a metal organic framework as an efficient heterogeneous catalyst for the chemical oxidation process in water. <i>RSC Advances</i> , 2015, 5, 50790-50800.	3.6	59

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55	A zeolitic imidazole framework (ZIF)‐sponge composite prepared via a surfactant-assisted dip-coating method. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20060-20064.	10.3	59
56	Recent Advances in Anhydrous Solvents for CO <sub>2</sub> Capture: Ionic Liquids, Switchable Solvents, and Nanoparticle Organic Hybrid Materials. <i>Frontiers in Energy Research</i> , 2015, 3, .	2.3	57
57	Electrospun magnetic cobalt-embedded carbon nanofiber as a heterogeneous catalyst for activation of oxone for degradation of Amaranth dye. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 728-735.	9.4	57
58	A novel carbon-coated Fe-C/N composite as a highly active heterogeneous catalyst for the degradation of Acid Red 73 by persulfate. <i>Separation and Purification Technology</i> , 2019, 213, 447-455.	7.9	56
59	COVID-19 mask waste to energy via thermochemical pathway: Effect of Co-Feeding food waste. <i>Energy</i> , 2021, 230, 120876.	8.8	56
60	Enhanced degradation of toxic azo dye, amaranth, in water using Oxone catalyzed by MIL-101-NH <sub>2</sub> under visible light irradiation. <i>Separation and Purification Technology</i> , 2019, 227, 115632.	7.9	54
61	Multi-heteroatom-doped carbocatalyst as peroxymonosulfate and peroxydisulfate activator for water purification: A critical review. <i>Journal of Hazardous Materials</i> , 2022, 426, 128077.	12.4	53
62	Simultaneous reductive and adsorptive removal of bromate from water using acid-washed zero-valent aluminum (ZVAL). <i>Chemical Engineering Journal</i> , 2016, 297, 19-25.	12.7	52
63	Sono-photo activation of percarbonate for the degradation of organic dye: The effect of water matrix and identification of by-products. <i>Journal of Water Process Engineering</i> , 2020, 33, 100998.	5.6	51
64	Renewable routes to monomeric precursors of nylon 66 and nylon 6 from food waste. <i>Journal of Cleaner Production</i> , 2019, 227, 624-633.	9.3	50
65	Cobalt-impregnated biochar produced from CO <sub>2</sub> -mediated pyrolysis of Co/lignin as an enhanced catalyst for activating peroxymonosulfate to degrade acetaminophen. <i>Chemosphere</i> , 2019, 226, 924-933.	8.2	50
66	Catalytic Reduction of Bromate Using ZIF-Derived Nanoscale Cobalt/Carbon Cages in the Presence of Sodium Borohydride. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3096-3103.	6.7	49
67	Coordination polymer-derived cobalt nanoparticle-embedded carbon nanocomposite as a magnetic multi-functional catalyst for energy generation and biomass conversion. <i>Chemical Engineering Journal</i> , 2018, 332, 717-726.	12.7	49
68	Template synthesis of nitrogen-doped carbon nanocages‐encapsulated carbon nanobubbles as catalyst for activation of peroxymonosulfate. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1849-1860.	6.0	49
69	Synergetic mechanism for basic and acid sites of MgM <sub>x</sub> O <sub>y</sub> (M = Fe, Mn) double oxides in catalytic ozonation of p-hydroxybenzoic acid and acetic acid. <i>Applied Catalysis B: Environmental</i> , 2020, 279, 119346.	20.2	48
70	Intensified peroxydisulfate/microparticles-zero valent iron process through aeration for degradation of organic pollutants: Kinetic studies, mechanism and effect of anions. <i>Journal of Water Process Engineering</i> , 2020, 36, 101321.	5.6	48
71	Comparative investigation of acetaminophen degradation in aqueous solution by UV/Chlorine and UV/H <sub>2</sub> O <sub>2</sub> processes: Kinetics and toxicity assessment, process feasibility and products identification. <i>Chemosphere</i> , 2021, 285, 131455.	8.2	48
72	Effect of SO <sub>2</sub> on CO <sub>2</sub> Capture Using Liquid-like Nanoparticle Organic Hybrid Materials. <i>Energy &amp; Fuels</i> , 2013, 27, 4167-4174.	5.1	47

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73	Enhanced photocatalytic reduction of concentrated bromate in the presence of alcohols. <i>Chemical Engineering Journal</i> , 2016, 303, 596-603.	12.7	47
74	Persulfate activation for efficient degradation of norfloxacin by a rGO-Fe <sub>3</sub> O <sub>4</sub> composite. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 102, 163-169.	5.3	47
75	Can biochar and hydrochar be used as sustainable catalyst for persulfate activation?. <i>Chemosphere</i> , 2022, 287, 132458.	8.2	47
76	Design and Characterization of Liquidlike POSS-Based Hybrid Nanomaterials Synthesized via Ionic Bonding and Their Interactions with CO <sub>2</sub> . <i>Langmuir</i> , 2013, 29, 12234-12242.	3.5	46
77	One-step prepared cobalt-based nanosheet as an efficient heterogeneous catalyst for activating peroxymonosulfate to degrade caffeine in water. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 272-280.	9.4	46
78	Study of various diameter and functionality of TEMPO-oxidized cellulose nanofibers on paraquat adsorptions. <i>Polymer Degradation and Stability</i> , 2019, 161, 206-212.	5.8	46
79	Spectroscopic Investigation of the Canopy Configurations in Nanoparticle Organic Hybrid Materials of Various Grafting Densities during CO <sub>2</sub> Capture. <i>Journal of Physical Chemistry C</i> , 2012, 116, 516-525.	3.1	43
80	±-Sulfur as a metal-free catalyst to activate peroxymonosulfate under visible light irradiation for decolorization. <i>RSC Advances</i> , 2016, 6, 15027-15034.	3.6	43
81	Prussian Blue Analogue-derived co/fe bimetallic nanoparticles immobilized on S/N-doped carbon sheet as a magnetic heterogeneous catalyst for activating peroxymonosulfate in water. <i>Chemosphere</i> , 2020, 244, 125444.	8.2	43
82	Accelerated organics degradation by peroxymonosulfate activated with biochar co-doped with nitrogen and sulfur. <i>Chemosphere</i> , 2021, 277, 130313.	8.2	43
83	ZIF-67 supported on macroscale resin as an efficient and convenient heterogeneous catalyst for Oxone activation. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 262-271.	9.4	42
84	Bamboo-like N-doped carbon nanotube-confined cobalt as an efficient and robust catalyst for activating monopersulfate to degrade bisphenol A. <i>Chemosphere</i> , 2021, 279, 130569.	8.2	42
85	Bifunctional ZIF-78 heterogeneous catalyst with dual Lewis acidic and basic sites for carbon dioxide fixation via cyclic carbonate synthesis. <i>Journal of CO<sub>2</sub> Utilization</i> , 2017, 22, 178-183.	6.8	41
86	Ferrocene-modified iron-based metal-organic frameworks as an enhanced catalyst for activating oxone to degrade pollutants in water. <i>Chemosphere</i> , 2018, 213, 295-304.	8.2	41
87	Biohydrogen production from furniture waste via catalytic gasification in air over Ni-loaded Ultra-stable Y-type zeolite. <i>Chemical Engineering Journal</i> , 2022, 433, 133793.	12.7	41
88	Lanthanum cobaltite perovskite supported on zirconia as an efficient heterogeneous catalyst for activating Oxone in water. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 325-332.	9.4	40
89	Metal-free activation of Oxone using one-step prepared sulfur-doped carbon nitride under visible light irradiation. <i>Separation and Purification Technology</i> , 2017, 173, 72-79.	7.9	40
90	Solid base Mg-doped ZnO for heterogeneous catalytic ozonation of isoniazid: Performance and mechanism. <i>Science of the Total Environment</i> , 2020, 703, 134983.	8.0	40

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91	Electrospun nanofiber of cobalt titanate perovskite as an enhanced heterogeneous catalyst for activating peroxydisulfate in water. <i>Chemical Engineering Science</i> , 2017, 168, 372-379.	3.8	38
92	A comparative study of hexacyanoferrate-based Prussian blue analogue nanocrystals for catalytic reduction of 4-nitrophenol to 4-aminophenol. <i>Separation and Purification Technology</i> , 2019, 218, 138-145.	7.9	38
93	Copper hexacyanoferrate nanocrystal as a highly efficient non-noble metal catalyst for reduction of 4-nitrophenol in water. <i>Science of the Total Environment</i> , 2020, 703, 134781.	8.0	38
94	Catalytic soot oxidation using hierarchical cobalt oxide microspheres with various nanostructures: Insights into relationships of morphology, property and reactivity. <i>Chemical Engineering Journal</i> , 2020, 395, 124939.	12.7	38
95	Efficient adsorptive removal of Tetramethylammonium hydroxide (TMAH) from water using graphene oxide. <i>Separation and Purification Technology</i> , 2014, 133, 99-107.	7.9	37
96	Enhanced reductive removal of bromate using Acid-Washed Zero-Valent iron in the presence of oxalic acid. <i>Chemical Engineering Journal</i> , 2017, 325, 144-150.	12.7	37
97	Magnetic cobaltic nanoparticle-anchored carbon nanocomposite derived from cobalt-dipicolinic acid coordination polymer: An enhanced catalyst for environmental oxidative and reductive reactions. <i>Journal of Colloid and Interface Science</i> , 2018, 517, 124-133.	9.4	37
98	Degradation of Acid Azo Dyes Using Oxone Activated by Cobalt Titanate Perovskite. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	37
99	Oxygen vacancy of CeO <sub>2</sub> improved efficiency of H <sub>2</sub> O <sub>2</sub> /O <sub>3</sub> for the degradation of acetic acid in acidic solutions. <i>Separation and Purification Technology</i> , 2018, 207, 92-98.	7.9	37
100	ZIF-67-derived Co <sub>3</sub> O <sub>4</sub> rhombic dodecahedron as an efficient non-noble-metal catalyst for hydrogen generation from borohydride hydrolysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 274-280.	5.3	37
101	Water-born zirconium-based metal organic frameworks as green and effective catalysts for catalytic transfer hydrogenation of levulinic acid to $\gamma$ -valerolactone: Critical roles of modulators. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 52-63.	9.4	37
102	Magnetic carbon-supported cobalt prepared from one-step carbonization of hexacyanocobaltate as an efficient and recyclable catalyst for activating Oxone. <i>Separation and Purification Technology</i> , 2016, 170, 173-182.	7.9	36
103	A facile method to functionalize engineering solid membrane supports for rapid and efficient oil-water separation. <i>Polymer</i> , 2013, 54, 5771-5778.	3.8	35
104	Valorization of aluminum scrap via an acid-washing treatment for reductive removal of toxic bromate from water. <i>Chemosphere</i> , 2017, 172, 325-332.	8.2	35
105	Heterogeneous catalytic activation of percarbonate by ferrocene for degradation of toxic amaranth dye in water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 78, 144-149.	5.3	35
106	Biodiesel production from black soldier fly larvae derived from food waste by non-catalytic transesterification. <i>Energy</i> , 2022, 238, 121700.	8.8	35
107	CO <sub>2</sub> as a reaction medium for pyrolysis of lignin leading to magnetic cobalt-embedded biochar as an enhanced catalyst for Oxone activation. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 16-24.	9.4	34
108	Synthesis of mesoporous MFI zeolite via bacterial cellulose-derived carbon templating for fast adsorption of formaldehyde. <i>Journal of Hazardous Materials</i> , 2020, 384, 121161.	12.4	33

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109	Bromate reduction in water by catalytic hydrogenation using metal-organic frameworks and sodium borohydride. <i>RSC Advances</i> , 2015, 5, 43885-43896.	3.6	31
110	Cobalt-embedded carbon nanofiber derived from a coordination polymer as a highly efficient heterogeneous catalyst for activating oxone in water. <i>Chemosphere</i> , 2018, 195, 272-281.	8.2	31
111	Bioremediation strategies with biochar for polychlorinated biphenyls (PCBs)-contaminated soils: A review. <i>Environmental Research</i> , 2021, 200, 111757.	7.5	31
112	Accelerated decomposition of Oxone using graphene-like carbon nitride with visible light irradiation for enhanced decolorization in water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 423-429.	5.3	30
113	Ferrocene-modified chitosan as an efficient and green heterogeneous catalyst for sulfate-radical-based advanced oxidation process. <i>Carbohydrate Polymers</i> , 2017, 173, 412-421.	10.2	30
114	Reusable macroporous photonic crystal-based ethanol vapor detectors by doctor blade coating. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 360-369.	9.4	30
115	Oxidation of amaranth dye by persulfate and peroxydisulfate activated by ferrocene. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 163-172.	3.2	29
116	Zr-Metal Organic Framework and Derivatives for Adsorptive and Photocatalytic Removal of Acid Dyes. <i>Water Environment Research</i> , 2018, 90, 144-154.	2.7	29
117	Coordination polymer-derived porous Co <sub>3</sub> O <sub>4</sub> nanosheet as an effective catalyst for activating peroxydisulfate to degrade sulfosalicylic acid. <i>Applied Surface Science</i> , 2020, 532, 147382.	6.1	29
118	Cobalt ferrite nanoparticle-loaded nitrogen-doped carbon sponge as a magnetic 3D heterogeneous catalyst for monoperoxysulfate-based oxidation of salicylic acid. <i>Chemosphere</i> , 2021, 267, 128906.	8.2	29
119	Biodiesel synthesis from bio-heavy oil through thermally induced transesterification. <i>Journal of Cleaner Production</i> , 2021, 294, 126347.	9.3	29
120	The nephrotoxic potential of polystyrene microplastics at realistic environmental concentrations. <i>Journal of Hazardous Materials</i> , 2022, 427, 127871.	12.4	29
121	Control of disinfection byproducts (DBPs) by ozonation and peroxone process: Role of chloride on removal of DBP precursors. <i>Chemosphere</i> , 2017, 184, 1215-1222.	8.2	28
122	Self-assembled hemispherical nanowell arrays for superhydrophobic antireflection coatings. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 174-180.	9.4	28
123	Prussian Blue analogue supported on sulfur-doped carbon nitride as an enhanced heterogeneous catalyst for activating peroxydisulfate. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 161-170.	9.4	28
124	Tunable functionalities in layered double hydroxide catalysts for thermochemical conversion of biomass-derived glucose to fructose. <i>Chemical Engineering Journal</i> , 2020, 383, 122914.	12.7	28
125	Waste-to-Fuels: Pyrolysis of Low-Density Polyethylene Waste in the Presence of H-ZSM-11. <i>Polymers</i> , 2021, 13, 1198.	4.5	28
126	A new biorefinery platform for producing (C2-5) bioalcohols through the biological/chemical hybridization process. <i>Bioresource Technology</i> , 2020, 311, 123568.	9.6	28



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127	Synthesis of mechanically robust epoxy cross-linked silica aerogel membranes for CO <sub>2</sub> capture. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 87, 117-122.	5.3	27
128	Comparative study on carbon dioxide-cofed catalytic pyrolysis of grass and woody biomass. <i>Bioresource Technology</i> , 2021, 323, 124633.	9.6	27
129	Evaluation of peroxymonosulfate/O <sub>3</sub> /UV process on a real polluted water with landfill leachate: Feasibility and comparative study. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1416-1424.	2.7	27
130	Co-culture of microalgae-activated sludge in sequencing batch photobioreactor systems: Effects of natural and artificial lighting on wastewater treatment. <i>Bioresource Technology</i> , 2022, 343, 126091.	9.6	26
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