Kun-Yi Andrew Lin

List of Publications by Year
in descending order

280	11,822	26630 56	42399 92
papers	citations	h-index	g-index

283	283	283	9452
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoscale CoNi alloy@carbon derived from Hofmann-MOF as a magnetic/effective activator for monopersulfate to eliminate an ultraviolet filter. Journal of Nanostructure in Chemistry, 2024, 14, 153-166.	9.1	1
2	Manipulating and Revealing the Roles of La and Zr Dopants into ZnTiO3 Perovskite Toward Heterogeneous Photocatalytic Degradation of Tetracycline Under Visible Light Irradiation. Topics in Catalysis, 2023, 66, 34-40.	2.8	3
3	Carboxylate-functionalized dragon fruit peel powder as an effective adsorbent for the removal of Rhodamine B (cationic dye) from aqueous solution: adsorption behavior and mechanism. International Journal of Phytoremediation, 2023, 25, 146-160.	3.1	5
4	Adsorption of Reactive Red 195 from aqueous medium using Lotus (Nelumbo nucifera) leaf powder chemically modified with dimethylamine: characterization, isotherms, kinetics, thermodynamics, and mechanism assessment. International Journal of Phytoremediation, 2022, 24, 131-144.	3.1	12
5	Valorization of peanut wastes into a catalyst in production of biodiesel. International Journal of Energy Research, 2022, 46, 1299-1312.	4.5	6
6	Ultrafine cobalt nanoparticle-embedded leaf-like hollow N-doped carbon as an enhanced catalyst for activating monopersulfate to degrade phenol. Journal of Colloid and Interface Science, 2022, 606, 929-940.	9.4	24
7	Hydrogen-rich gas production via steam gasification of food waste over basic oxides (MgO/CaO/SrO) promoted-Ni/Al2O3 catalysts. Chemosphere, 2022, 287, 132224.	8.2	18
8	Functional use of CO2 to mitigate the formation of bisphenol A in catalytic pyrolysis of polycarbonate. Journal of Hazardous Materials, 2022, 423, 126992.	12.4	20
9	Mini review on H2 production from electrochemical water splitting according to special nanostructured morphology of electrocatalysts. Fuel, 2022, 308, 122048.	6.4	78
10	Biodiesel production from black soldier fly larvae derived from food waste by non-catalytic transesterification. Energy, 2022, 238, 121700.	8.8	35
11	Adverse pulmonary impacts of environmental concentrations of oil mist particulate matter in normal human bronchial epithelial cell. Science of the Total Environment, 2022, 809, 151119.	8.0	7
12	3D hexagonal hierachitectured cobalt sulfide as an enhanced catalyst for activating monopersulfate to degrade sunscreen agent ensulizole. Journal of the Taiwan Institute of Chemical Engineers, 2022, 131, 104109.	5.3	11
13	Co-culture of microalgae-activated sludge in sequencing batch photobioreactor systems: Effects of natural and artificial lighting on wastewater treatment. Bioresource Technology, 2022, 343, 126091.	9.6	26
14	Can biochar and hydrochar be used as sustainable catalyst for persulfate activation?. Chemosphere, 2022, 287, 132458.	8.2	47
15	Broccoli-like CeO2 with Hierarchical/Porous Structures, and promoted oxygen vacancy as an enhanced catalyst for catalytic diesel soot elimination. Separation and Purification Technology, 2022, 281, 119867.	7.9	15
16	Non-submerged attached growth process for domestic wastewater treatment: Influence of media types and internal recirculation ratios. Bioresource Technology, 2022, 343, 126125.	9.6	3
17	Manganese containing oxides catalytic ozonation in aqueous solution: Catalytic mechanism on acid sites. Separation and Purification Technology, 2022, 282, 120053.	7.9	19
18	Biohydrogen production from furniture waste via catalytic gasification in air over Ni-loaded Ultra-stable Y-type zeolite. Chemical Engineering Journal, 2022, 433, 133793.	12.7	41

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19	Synergistic effect of KCl mixing and melamine/urea mixture in the synthesis of g-C3N4 for photocatalytic removal of tetracycline. Journal of Industrial and Engineering Chemistry, 2022, 107, 118-125.	5.8	18
20	The nephrotoxic potential of polystyrene microplastics at realistic environmental concentrations. Journal of Hazardous Materials, 2022, 427, 127871.	12.4	29
21	Nanoneedle-Assembled Copper/Cobalt sulfides on nickel foam as an enhanced 3D hierarchical catalyst to activate monopersulfate for Rhodamine b degradation. Journal of Colloid and Interface Science, 2022, 613, 168-181.	9.4	16
22	Selective conversion of hydroxymethylfurfural to diformylfuran using copper hydroxide nitrate with various nano-structures: a comparative study. Sustainable Energy and Fuels, 2022, 6, 276-288.	4.9	0
23	Current application of algae derivatives for bioplastic production: A review. Bioresource Technology, 2022, 347, 126698.	9.6	60
24	Multi-heteroatom-doped carbocatalyst as peroxymonosulfate and peroxydisulfate activator for water purification: A critical review. Journal of Hazardous Materials, 2022, 426, 128077.	12.4	53
25	Nitrogen-containing carbon hollow nanocube-confined cobalt nanoparticle as a magnetic and efficient catalyst for activating monopersulfate to degrade a UV filter in water. Journal of Environmental Chemical Engineering, 2022, 10, 106989.	6.7	14
26	Biochar as a catalyst in the production of syngas and biodiesel from peanut waste. International Journal of Energy Research, 2022, 46, 19287-19299.	4.5	1
27	Detection of Fe3+ and Hg2+ ions through photoluminescence quenching of carbon dots derived from urea and bitter tea oil residue. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 272, 120963.	3.9	7
28	Magnetic Fe3O4 nanoparticles loaded papaya (Carica papaya L.) seed powder as an effective and recyclable adsorbent material for the separation of anionic azo dye (Congo Red) from liquid phase: Evaluation of adsorption properties. Journal of Molecular Liquids, 2022, 345, 118255.	4.9	19
29	Highly-efficient degradation of ensulizole using monopersulfate activated by nanostructured cobalt oxide: A comparative study on effects of different nanostructures. Journal of Environmental Chemical Engineering, 2022, 10, 107137.	6.7	5
30	Hollow porous cobalt oxide nanobox as an enhanced for activating monopersulfate to degrade 2-hydroxybenzoic acid in water. Chemosphere, 2022, 294, 133441.	8.2	10
31	Life cycle assessment of paper mill wastewater: a case study in Viet Nam. Water Science and Technology, 2022, 85, 1522-1537.	2.5	3
32	Disposal of plastic mulching film through CO2-assisted catalytic pyrolysis as a strategic means for microplastic mitigation. Journal of Hazardous Materials, 2022, 430, 128454.	12.4	10
33	Hofmann-MOF derived nanoball assembled by FeNi alloy confined in carbon nanotubes as a magnetic catalyst for activating peroxydisulfate to degrade an ionic liquid. Separation and Purification Technology, 2022, 295, 120945.	7.9	19
34	Production of flammable gases from cattle manure via pyrolysis using <scp> CO ₂ </scp> as an oxidant. International Journal of Energy Research, 2022, 46, 6806-6816.	4.5	3
35	Ultrasound Processâ€Enhanced Removal of the Toxic Disinfection Byâ€product Bromate from Water by Aluminum: A Comparative Study. Water Environment Research, 2022, 94, e10720.	2.7	0
36	Study of the Enhancements of Porous Structures of Activated Carbons Produced from Durian Husk Wastes. Sustainability, 2022, 14, 5896.	3.2	5

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37	Catalytic ozonation of N, N-dimethylacetamide in aqueous solution by Fe3O4@SiO2@MgO composite: Optimization, degradation pathways and mechanism. Journal of the Taiwan Institute of Chemical Engineers, 2022, 135, 104380.	5.3	8
38	Single-Step Fabrication of Longtail Glasswing Butterfly-Inspired Omnidirectional Antireflective Structures. Nanomaterials, 2022, 12, 1856.	4.1	2
39	Production of 2,5-furandicarboxylic acid via oxidation of 5-hydroxymethylfurfural over Pt/C in a continuous packed bed reactor. RSC Advances, 2022, 12, 18084-18092.	3.6	1
40	Catalytic bromate reduction in water by Ru/C via borohydride-based hydrogenation: A comparative study. Journal of Environmental Chemical Engineering, 2022, 10, 108080.	6.7	0
41	Degradation of dihydroxybenzophenone through monopersulfate activation over nanostructured cobalt ferrites with various morphologies: A comparative study. Chemical Engineering Journal, 2022, 450, 137798.	12.7	9
42	A comparative study on microwave-assisted catalytic transfer hydrogenation of levulinic acid to Î³-valerolactone using Ru/C, Pt/C, and Pd/C. Chemical Engineering Communications, 2021, 208, 1511-1522.	2.6	7
43	Enhanced catalytic conversion of 5-hydroxymethylfurfural to 2,5-diformylfuran by HKUST-1/TEMPO under microwave irradiation. Biomass Conversion and Biorefinery, 2021, 11, 2829-2836.	4.6	7
44	Selective Aerobic Upgrading of Lignin-Derived Compound Using a Recyclable Dual-Functional TPO-Loaded Cu-BTC Catalyst. Waste and Biomass Valorization, 2021, 12, 673-685.	3.4	2
45	Mitigation of harmful chemical formation from pyrolysis of tobacco waste using CO2. Journal of Hazardous Materials, 2021, 401, 123416.	12.4	10
46	A review of the recent advances on the treatment of industrial wastewaters by Sulfate Radical-based Advanced Oxidation Processes (SR-AOPs). Chemical Engineering Journal, 2021, 406, 127083.	12.7	747
47	Recycling spent iron-based disposable-chemical-warmer as adsorbent for as(v) removal from aqueous solution. Resources, Conservation and Recycling, 2021, 168, 105284.	10.8	5
48	Leveraging carbon dioxide to control the H2/CO ratio in catalytic pyrolysis of fishing net waste. Renewable and Sustainable Energy Reviews, 2021, 138, 110559.	16.4	18
49	Dye degradation in aqueous solution by dithionite/UV-C advanced reduction process (ARP): Kinetic study, dechlorination, degradation pathway and mechanism. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 407, 112995.	3.9	22
50	Cobalt ferrite nanoparticle-loaded nitrogen-doped carbon sponge as a magnetic 3D heterogeneous catalyst for monopersulfate-based oxidation of salicylic acid. Chemosphere, 2021, 267, 128906.	8.2	29
51	Electrospun cobalt ferrite nanofiber as a magnetic and effective heterogeneous catalyst for activating peroxymonosulfate to degrade sulfosalicylic acid. Separation and Purification Technology, 2021, 259, 118163.	7.9	11
52	Electrospun nanoscale iron oxide-decorated carbon fiber as an efficient heterogeneous catalyst for activating percarbonate to degrade Azorubin S in water. Journal of Water Process Engineering, 2021, 40, 101838.	5.6	5
53	Co3O4 nanocube-decorated nitrogen-doped carbon foam as an enhanced 3-dimensional hierarchical catalyst for activating Oxone to degrade sulfosalicylic acid. Journal of Colloid and Interface Science, 2021, 584, 749-759.	9.4	17
54	Prussian blue analogues as heterogeneous catalysts for hydrogen generation from hydrolysis of sodium borohydride: a comparative study. Chemical Papers, 2021, 75, 779-788.	2.2	4

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55	The impact of pyrolysis temperature on physicochemical properties and pulmonary toxicity of tobacco stem micro-biochar. Chemosphere, 2021, 263, 128349.	8.2	8
56	Acetaminophen degradation by a synergistic peracetic acid/UVC-LED/Fe(II) advanced oxidation process: Kinetic assessment, process feasibility and mechanistic considerations. Chemosphere, 2021, 263, 128119.	8.2	80
57	Copper ferrite anchored on hexagonal boron nitride as peroxymonosulfate activator for ciprofloxacin removal. Materials Letters, 2021, 285, 129079.	2.6	18
58	InÂvitro renal toxicity evaluation of copper-based metalâ€“organic framework HKUST-1 on human embryonic kidney cells. Environmental Pollution, 2021, 273, 116528.	7.5	18
59	Comparative study on carbon dioxide-cofed catalytic pyrolysis of grass and woody biomass. Bioresource Technology, 2021, 323, 124633.	9.6	27
60	Catalytic production of hexamethylenediamine from renewable feedstocks. Korean Journal of Chemical Engineering, 2021, 38, 1079-1086.	2.7	13
61	One-step synthesized 3D-structured MOF foam for efficient and convenient catalytic reduction of nitrogen-containing aromatic compounds. Journal of Water Process Engineering, 2021, 40, 101933.	5.6	17
62	Hydroxylation and sodium intercalation on g-C3N4 for photocatalytic removal of gaseous formaldehyde. Carbon, 2021, 175, 467-477.	10.3	68
63	Waste-to-Fuels: Pyrolysis of Low-Density Polyethylene Waste in the Presence of H-ZSM-11. Polymers, 2021, 13, 1198.	4.5	28
64	Biodiesel synthesis from bio-heavy oil through thermally induced transesterification. Journal of Cleaner Production, 2021, 294, 126347.	9.3	29
65	Removal of benzophenone aerosols by a rice straw-based activated carbon filter combined with a negative air ionizer. Journal of Environmental Chemical Engineering, 2021, 9, 105141.	6.7	5
66	Self-assembly L-cysteine based 2D g-C3N4 nanoflakes for light-dependent degradation of rhodamine B and tetracycline through photocatalysis. Journal of the Taiwan Institute of Chemical Engineers, 2021, , .	5.3	21
67	Integrated MOF-mesh and TEMPO-grafted carbon fiber as a sandwich-like catalytic system for selective valorization of lignin-derived compound under microwave irradiation. Chemical Engineering Journal, 2021, 411, 128605.	12.7	10
68	Cobalt sulfide nanosheets derived from sulfurization of Prussian blue analogue as an enhanced catalyst for activating monopersulfate to degrade caffeine. Journal of the Taiwan Institute of Chemical Engineers, 2021, 123, 115-123.	5.3	12
69	Microbial community response to ciprofloxacin toxicity in sponge membrane bioreactor. Science of the Total Environment, 2021, 773, 145041.	8.0	14
70	Photoluminescence quenching of thermally treated waste-derived carbon dots for selective metal ion sensing. Environmental Research, 2021, 197, 111008.	7.5	24
71	Metal-complexed covalent organic frameworks derived N-doped carbon nanobubbleâ€“embedded cobalt nanoparticle as a magnetic and efficient catalyst for oxone activation. Journal of Colloid and Interface Science, 2021, 591, 161-172.	9.4	21
72	Aerobic oxidation of 5-hydroxymethylfurfural into 2,5-diformylfuran using manganese dioxide with different crystal structures: A comparative study. Journal of Colloid and Interface Science, 2021, 592, 416-429.	9.4	19

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73	Catalytic pyrolysis of plastics derived from endâ€ofâ€lifeâ€vehicles (<scp>ELVs</scp>) under the <scp> CO ₂ </scp> environment. International Journal of Energy Research, 2021, 45, 16781-16793.	4.5	12
74	Evaluation of peroxymonosulfate/O3/UV process on a real polluted water with landfill leachate: Feasibility and comparative study. Korean Journal of Chemical Engineering, 2021, 38, 1416-1424.	2.7	27
75	Virtuous utilization of biochar and carbon dioxide in the thermochemical process of dairy cattle manure. Chemical Engineering Journal, 2021, 416, 129110.	12.7	18
76	Metal-organic frameworks for pesticidal persistent organic pollutants detection and adsorption â€“ A mini review. Journal of Hazardous Materials, 2021, 413, 125325.	12.4	119
77	Insights into paracetamol degradation in aqueous solutions by ultrasound-assisted heterogeneous electro-Fenton process: Key operating parameters, mineralization and toxicity assessment. Separation and Purification Technology, 2021, 266, 118533.	7.9	113
78	Perovskite Zinc Titanate Photocatalysts Synthesized by the Solâ€“Gel Method and Their Application in the Photocatalytic Degradation of Emerging Contaminants. Catalysts, 2021, 11, 854.	3.5	21
79	Single-Use Disposable Waste Upcycling via Thermochemical Conversion Pathway. Polymers, 2021, 13, 2617.	4.5	3
80	Accelerated organics degradation by peroxymonosulfate activated with biochar co-doped with nitrogen and sulfur. Chemosphere, 2021, 277, 130313.	8.2	43
81	Covalent organic polymer derived carbon nanocapsuleâ€“supported cobalt as a catalyst for activating monopersulfate to degrade salicylic acid. Journal of Environmental Chemical Engineering, 2021, 9, 105377.	6.7	11
82	Tunable Omnidirectional Antireflection Coatings Inspired by Inclined Irregular Nanostructures on Transparent Blue-Tailed Forest Hawk Dragonfly Wings. Langmuir, 2021, 37, 9490-9503.	3.5	0
83	2-dimensional nanoleaf-like porous copper nitrate hydroxide as an effective heterogeneous catalyst for selective oxidation of hydroxymethylfurfural to diformylfuran. Journal of the Taiwan Institute of Chemical Engineers, 2021, 126, 189-196.	5.3	6
84	Electrochemical activation of peroxides for treatment of contaminated water with landfill leachate: Efficacy, toxicity and biodegradability evaluation. Chemosphere, 2021, 279, 130610.	8.2	95
85	Bioremediation strategies with biochar for polychlorinated biphenyls (PCBs)-contaminated soils: A review. Environmental Research, 2021, 200, 111757.	7.5	31
86	Enhanced Catalytic Soot Oxidation by Ce-Based MOF-Derived Ceria Nano-Bar with Promoted Oxygen Vacancy. Catalysts, 2021, 11, 1128.	3.5	4
87	COVID-19 mask waste to energy via thermochemical pathway: Effect of Co-Feeding food waste. Energy, 2021, 230, 120876.	8.8	56
88	Cobalt sulfide nanofilm-assembled cube as an efficient catalyst for activating monopersulfate to degrade UV filter, 4,4â€²-dihydroxybenzophenone, in water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 625, 126891.	4.7	10
89	Bamboo-like N-doped carbon nanotubeâ€“confined cobalt as an efficient and robust catalyst for activating monopersulfate to degrade bisphenol A. Chemosphere, 2021, 279, 130569.	8.2	42
90	Miktoarm Star Copolymers Prepared by Transformation from Enhanced Spin Capturing Polymerization to Nitroxide-Mediated Polymerization (ESCP-Å¦-NMP) toward Nanomaterials. Nanomaterials, 2021, 11, 2392.	4.1	2

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91	Size-controlled nanoscale octahedral HKUST-1 as an enhanced catalyst for oxidative conversion of vanillic alcohol: The mediating effect of polyvinylpyrrolidone. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 631, 127639.	4.7	10
92	Low flux sponge membrane bioreactor treating tannery wastewater. Environmental Technology and Innovation, 2021, 24, 101989.	6.1	6
93	Nanopetal-like copper hydroxide nitrate as a highly selective heterogeneous catalyst for valorization of vanillic alcohol via oxidation. Journal of Environmental Chemical Engineering, 2021, 9, 106092.	6.7	4
94	Enhanced degradation of ultra-violet stabilizer Bis(4-hydroxy)benzophenone using oxone catalyzed by hexagonal nanoplate-assembled CoS 3-dimensional cluster. Chemosphere, 2021, 288, 132427.	8.2	11
95	Synergistic effects of CO2 on complete thermal degradation of plastic waste mixture through a catalytic pyrolysis platform: A case study of disposable diaper. Journal of Hazardous Materials, 2021, 419, 126537.	12.4	15
96	Enhanced reduction of bromate in water by 2-dimensional porous Co3O4 via catalytic hydrogenation. Journal of Environmental Chemical Engineering, 2021, 9, 105809.	6.7	10
97	Hierarchical ZIF-decorated nanoflower-covered 3-dimensional foam for enhanced catalytic reduction of nitrogen-containing contaminants. Journal of Colloid and Interface Science, 2021, 602, 95-104.	9.4	19
98	Degradation of an imidazolium-based ionic liquid in water using monopersulfate catalyzed by Dahlia flower-like cobalt oxide. Separation and Purification Technology, 2021, 274, 118668.	7.9	8
99	Strategic way for valorization of manure into chemicals and fuels. Journal of Cleaner Production, 2021, 322, 129109.	9.3	7
100	Influence of organic loading rates on treatment performance of membrane bioreactor treating tannery wastewater. Environmental Technology and Innovation, 2021, 24, 101810.	6.1	18
101	Catalytic reduction of bromate by Co-embedded N-doped carbon as a magnetic Non-Noble metal hydrogenation catalyst. Separation and Purification Technology, 2021, 277, 119320.	7.9	6
102	Comparative investigation of acetaminophen degradation in aqueous solution by UV/Chlorine and UV/H2O2 processes: Kinetics and toxicity assessment, process feasibility and products identification. Chemosphere, 2021, 285, 131455.	8.2	48
103	Thermochemical conversion of mulching film waste via pyrolysis with the addition of cattle excreta. Journal of Environmental Chemical Engineering, 2021, 9, 106362.	6.7	18
104	Degradation of sunscreen agent 2-phenylbenzimidazole-5-sulfonic acid using monopersulfate activated by MOF-derived cobalt sulfide nanoplates. Journal of Water Process Engineering, 2021, 44, 102282.	5.6	10
105	Investigating crystal plane effect of Co3O4 with various morphologies on catalytic activation of monopersulfate for degradation of phenol in water. Separation and Purification Technology, 2021, 276, 119368.	7.9	11
106	Use of CO₂ and nylon as the raw materials for flammable gas production through a catalytic thermo-chemical process. Green Chemistry, 2021, 23, 8922-8931.	9.0	6
107	Clairvoyant Melon Maturity Detection Enabled by Doctor-Blade-Coated Photonic Crystals. Sensors, 2021, 21, 7046.	3.8	0
108	Biofuel Production as an Example of Virtuous Valorization of Swine Manure. ACS Sustainable Chemistry and Engineering, 2021, 9, 13761-13772.	6.7	6

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109	Reduction of nitrate to nitrite in water by acid-washed zero-valent zinc. Separation Science and Technology, 2020, 55, 761-770.	2.5	5
110	Microwave-Assisted Catalyst-Free Oxidative Conversion of a Lignin Model Compound to Value-Added Products Using TEMPO. Waste and Biomass Valorization, 2020, 11, 3621-3628.	3.4	7
111	Microwave Irradiation-Enhanced Catalytic Transfer Hydrogenation of Levulinic Acid to Î³-Valerolactone Using Ruthenium: A Comparative Study with Conventional Heating Processes. Waste and Biomass Valorization, 2020, 11, 2783-2793.	3.4	7
112	Synthesis of mesoporous MFI zeolite via bacterial cellulose-derived carbon templating for fast adsorption of formaldehyde. Journal of Hazardous Materials, 2020, 384, 121161.	12.4	33
113	Tuneable functionalities in layered double hydroxide catalysts for thermochemical conversion of biomass-derived glucose to fructose. Chemical Engineering Journal, 2020, 383, 122914.	12.7	28
114	Waste-derived compost and biochar amendments for stormwater treatment in bioretention column: Co-transport of metals and colloids. Journal of Hazardous Materials, 2020, 383, 121243.	12.4	75
115	Solid base Mg-doped ZnO for heterogeneous catalytic ozonation of isoniazid: Performance and mechanism. Science of the Total Environment, 2020, 703, 134983.	8.0	40
116	Cobalt-based coordination polymers as heterogeneous catalysts for activating Oxone to degrade organic contaminants in water: A comparative study. Separation and Purification Technology, 2020, 236, 116245.	7.9	12
117	Metal organic framework-derived 3D nanostructured cobalt oxide as an effective catalyst for soot oxidation. Journal of Colloid and Interface Science, 2020, 561, 83-92.	9.4	23
118	TEMPO-Functionalized Silica as an Efficient and Recyclable Oxidation Catalyst for Conversion of a Lignin Model Compound to Value-Added Products. Waste and Biomass Valorization, 2020, 11, 6917-6928.	3.4	12
119	Sono-photo activation of percarbonate for the degradation of organic dye: The effect of water matrix and identification of by-products. Journal of Water Process Engineering, 2020, 33, 100998.	5.6	51
120	Copper hexacyanoferrate nanocrystal as a highly efficient non-noble metal catalyst for reduction of 4-nitrophenol in water. Science of the Total Environment, 2020, 703, 134781.	8.0	38
121	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. Chemosphere, 2020, 244, 125444.	8.2	43
122	Electrospun Co3O4 nanofiber as an efficient heterogeneous catalyst for activating peroxymonosulfate in water. Journal of the Taiwan Institute of Chemical Engineers, 2020, 106, 110-117.	5.3	23
123	Tailoring acidity and porosity of alumina catalysts via transition metal doping for glucose conversion in biorefinery. Science of the Total Environment, 2020, 704, 135414.	8.0	13
124	Oxidative removal of benzotriazole using peroxymonosulfate/ozone/ultrasound: Synergy, optimization, degradation intermediates and utilizing for real wastewater. Chemosphere, 2020, 244, 125326.	8.2	107
125	Acetaminophen removal from aqueous solutions through peroxymonosulfate activation by CoFe2O4/mpg-C3N4 nanocomposite: Insight into the performance and degradation kinetics. Environmental Technology and Innovation, 2020, 20, 101127.	6.1	104
126	Synergetic mechanism for basic and acid sites of MgMxOy (M = Fe, Mn) double oxides in catalytic ozonation of p-hydroxybenzoic acid and acetic acid. Applied Catalysis B: Environmental, 2020, 279, 119346.	20.2	48

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127	Strategic use of CO2 in the catalytic thermolysis of bio-heavy oil over Co/SiO2 for the enhanced production of syngas. Energy Conversion and Management, 2020, 222, 113195.	9.2	14
128	Coordination polymer-derived porous Co3O4 nanosheet as an effective catalyst for activating peroxymonosulfate to degrade sulfosalicylic acid. Applied Surface Science, 2020, 532, 147382.	6.1	29
129	Enhanced electro-peroxone using ultrasound irradiation for the degradation of organic compounds: A comparative study. Journal of Environmental Chemical Engineering, 2020, 8, 104167.	6.7	63
130	Porous hexagonal nanoplate cobalt oxide derived from a coordination polymer as an effective catalyst for activating Oxone in water. Chemosphere, 2020, 261, 127552.	8.2	16
131	Biodiesel synthesis from swine manure. Bioresource Technology, 2020, 317, 124032.	9.6	9
132	Progress in the Preparation of Functional and (Bio)Degradable Polymers via Living Polymerizations. International Journal of Molecular Sciences, 2020, 21, 9581.	4.1	7
133	Hydrogenation of Adiponitrile to Hexamethylenediamine over Raney Ni and Co Catalysts. Applied Sciences (Switzerland), 2020, 10, 7506.	2.5	9
134	Cobalt-based coordination polymer-derived hexagonal porous cobalt oxide nanoplate as an enhanced catalyst for hydrogen generation from hydrolysis of borohydride. International Journal of Hydrogen Energy, 2020, 45, 31952-31962.	7.1	12
135	Cobalt Oxides with Various 3D Nanostructured Morphologies for Catalytic Reduction of 4-Nitrophenol: A Comparative Study. Journal of Water Process Engineering, 2020, 37, 101379.	5.6	24
136	Intensified peroxydisulfate/microparticles-zero valent iron process through aeration for degradation of organic pollutants: Kinetic studies, mechanism and effect of anions. Journal of Water Process Engineering, 2020, 36, 101321.	5.6	48
137	Activation of persulfate by graphite supported CeO2 for isoniazid degradation. Separation and Purification Technology, 2020, 250, 117197.	7.9	11
138	Efficient treatment for landfill leachate through sequential electrocoagulation, electrooxidation and PMS/UV/CuFe2O4 process. Separation and Purification Technology, 2020, 242, 116828.	7.9	128
139	Feasibility of using bed filters packed with rice-straw-based activated carbon and selected biomass waste for the control of frying fume exhaust. Environmental Science and Pollution Research, 2020, 27, 38321-38333.	5.3	7
140	Enhanced degradation of 5-sulfosalicylic acid using peroxymonosulfate activated by ordered porous silica-confined Co3O4 prepared via a solvent-free confined space strategy. Separation and Purification Technology, 2020, 249, 116972.	7.9	23
141	Co-culture of microalgae-activated sludge for wastewater treatment and biomass production: Exploring their role under different inoculation ratios. Bioresource Technology, 2020, 314, 123754.	9.6	93
142	Catalytic soot oxidation using hierarchical cobalt oxide microspheres with various nanostructures: Insights into relationships of morphology, property and reactivity. Chemical Engineering Journal, 2020, 395, 124939.	12.7	38
143	Development of 3-dimensional Co3O4 catalysts with various morphologies for activation of Oxone to degrade 5-sulfosalicylic acid in water. Science of the Total Environment, 2020, 724, 138032.	8.0	20
144	Development of BiOI as an effective photocatalyst for oxygen evolution reaction under simulated solar irradiation. Catalysis Science and Technology, 2020, 10, 3223-3231.	4.1	22

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145	Dopamineâ€Modified Zeroâ€Valent Iron Nanoparticles for Dualâ€Modality Photothermal and Photodynamic Breast Cancer Therapy. ChemMedChem, 2020, 15, 1645-1651.	3.2	9
146	A new biorefinery platform for producing (C2-5) bioalcohols through the biological/chemical hybridization process. Bioresource Technology, 2020, 311, 123568.	9.6	28
147	Coordination polymer-derived cobalt-embedded and N/S-doped carbon nanosheet with a hexagonal core-shell nanostructure as an efficient catalyst for activation of oxone in water. Journal of Colloid and Interface Science, 2020, 579, 109-118.	9.4	25
148	One-step fabrication of cobalt-embedded carbon nitride as a magnetic and efficient heterogeneous catalyst for activating oxone to degrade pollutants in water. Separation and Purification Technology, 2019, 210, 1-9.	7.9	20
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150	Study of various diameter and functionality of TEMPO-oxidized cellulose nanofibers on paraquat adsorptions. Polymer Degradation and Stability, 2019, 161, 206-212.	5.8	46
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