List of Publications by Year in descending order

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		81434	90395
113	5,915	41	73
papers	citations	h-index	g-index
113	113	113	6395
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Higher bacterial diversity in two-phase thermophilic anaerobic digestion of food waste after micronutrient supplementation. Biomass Conversion and Biorefinery, 2023, 13, 5187-5195.	2.9	4
2	Technical and environmental assessment of laboratory scale approach for sustainable management of marine plastic litter. Journal of Hazardous Materials, 2022, 421, 126717.	6.5	25
3	High temperature slagging gasification of municipal solid waste with biomass charcoal as a greener auxiliary fuel. Journal of Hazardous Materials, 2022, 423, 127057.	6.5	24
4	Activated multi-walled carbon nanotubes decorated with zero valent nickel nanoparticles for arsenic, cadmium and lead adsorption from wastewater in a batch and continuous flow modes. Journal of Hazardous Materials, 2022, 423, 126993.	6.5	96
5	Thermal behavior of Cu-Mg-Al-Ba/Sr bifunctional composites during chemical looping combustion and HCl adsorption of MSW syngas. Chemical Engineering Journal, 2022, 430, 132871.	6.6	8
6	Temperature-dependent synthesis of multi-walled carbon nanotubes and hydrogen from plastic waste over A-site-deficient perovskite La0.8Ni1-xCoxO3-Î′. Chemosphere, 2022, 291, 132831.	4.2	8
7	Chemical recycling of plastic waste for sustainable material management: A prospective review on catalysts and processes. Renewable and Sustainable Energy Reviews, 2022, 154, 111866.	8.2	110
8	Modeling the Life Cycle Inventory of a Centralized Composting Facility in Greece. Applied Sciences (Switzerland), 2022, 12, 2047.	1.3	4
9	Upgrading waste plastic derived pyrolysis gas via chemical looping cracking–gasification using Ni–Fe–Al redox catalysts. Chemical Engineering Journal, 2022, 438, 135580.	6.6	20
10	Advanced Ni tar reforming catalysts resistant to syngas impurities: Current knowledge, research gaps and future prospects. Fuel, 2022, 318, 123602.	3.4	15
11	Tailoring Fe2O3–Al2O3 catalyst structure and activity via hydrothermal synthesis for carbon nanotubes and hydrogen production from polyolefin plastics. Chemosphere, 2022, 297, 134148.	4.2	14
12	Catalysing electrowinning of copper from E-waste: A critical review. Chemosphere, 2022, 298, 134340.	4.2	11
13	Sorbents for high-temperature removal of alkali metals and HCl from municipal solid waste derived syngas. Fuel, 2022, 321, 124058.	3.4	4
14	Converting polyolefin plastics into few-walled carbon nanotubes via a tandem catalytic process: Importance of gas composition and system configuration. Journal of Hazardous Materials, 2022, 435, 128949.	6.5	17
15	Few-walled carbon nanotubes derived from shoe waste plastics: Effect of feedstock composition on synthesis, properties and application as CO2 reduction electrodes. Journal of Cleaner Production, 2022, 356, 131868.	4.6	13
16	Energy decarbonisation in the European Union: Assessment of photovoltaic waste recycling potential. Renewable Energy, 2022, 192, 1-13.	4.3	14
17	Unravelling the significance of catalyst reduction stage for high tar reforming activity in the presence of syngas impurities. Applied Catalysis A: General, 2022, 642, 118711.	2.2	3
18	Effect of alkali earth metal doping on the CuO/Al2O3 oxygen carrier agglomeration resistance during chemical looping combustion. Journal of Cleaner Production, 2022, 366, 132970.	4.6	11

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19	Ba–Al-decorated iron ore as bifunctional oxygen carrier and HCl sorbent for chemical looping combustion of syngas. Combustion and Flame, 2021, 223, 230-242.	2.8	26
20	Hydrogen bromide in syngas: Effects on tar reforming, water gas-shift activities and sintering of Ni-based catalysts. Applied Catalysis B: Environmental, 2021, 280, 119435.	10.8	9
21	Life cycle assessment of plastic grocery bags and their alternatives in cities with confined waste management structure: A Singapore case study. Journal of Cleaner Production, 2021, 278, 123956.	4.6	63
22	Oxygen carriers from incineration bottom ash for chemical looping combustion of syngas: Effect of composition on combustion efficiency. Chemical Engineering Journal, 2021, 405, 127068.	6.6	16
23	Effective H2S control during chemical looping combustion by iron ore modified with alkaline earth metal oxides. Energy, 2021, 218, 119548.	4.5	17
24	Iron ore modified with alkaline earth metals for the chemical looping combustion of municipal solid waste derived syngas. Journal of Cleaner Production, 2021, 282, 124467.	4.6	18
25	Dual-functional witherite in improving chemical looping performance of iron ore and simultaneous adsorption of HCl in syngas at high temperature. Chemical Engineering Journal, 2021, 413, 127538.	6.6	14
26	Transformation behaviors and environmental risk assessment of heavy metals during resource recovery from Sedum plumbizincicola via hydrothermal liquefaction. Journal of Hazardous Materials, 2021, 410, 124588.	6.5	26
27	Weakening the strong Fe-La interaction in A-site-deficient perovskite via Ni substitution to promote the thermocatalytic synthesis of carbon nanotubes from plastics. Journal of Hazardous Materials, 2021, 403, 123642.	6.5	23
28	The Effects of Washing Techniques on Thermal Combustion Properties of Sewage Sludge Chars. International Journal of Environmental Research, 2021, 15, 285-297.	1.1	3
29	In situ catalytic reforming of plastic pyrolysis vapors using MSW incineration ashes. Environmental Pollution, 2021, 276, 116681.	3.7	22
30	Flexible packaging plastic waste – environmental implications, management solutions, and the way forward. Current Opinion in Chemical Engineering, 2021, 32, 100684.	3.8	26
31	Multiwall carbon nanotubes derived from plastic packaging waste as a highâ€performance electrode material for supercapacitors. International Journal of Energy Research, 2021, 45, 19611-19622.	2.2	26
32	Selective leaching of scandium and yttrium from red mud induced by hydrothermal treatment. Journal of Chemical Technology and Biotechnology, 2021, 96, 2620-2629.	1.6	1
33	Support effects on thermocatalytic pyrolysis-reforming of polyethylene over impregnated Ni catalysts. Applied Catalysis A: General, 2021, 622, 118222.	2.2	20
34	Dynamic estimation of future obsolete laptop flows and embedded critical raw materials: The case study of Greece. Waste Management, 2021, 132, 74-85.	3.7	8
35	Chemical looping combustion-adsorption of HCl-containing syngas using alkaline-earth coated iron ore composites for simultaneous purification and combustion enhancement. Chemical Engineering Journal, 2021, 417, 129226.	6.6	23
36	Environmental footprint of voltammetric sensors based on screen-printed electrodes: An assessment towards "green―sensor manufacturing. Chemosphere, 2021, 278, 130462.	4.2	32

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37	Upcycling of exhausted reverse osmosis membranes into value-added pyrolysis products and carbon dots. Journal of Hazardous Materials, 2021, 419, 126472.	6.5	23
38	Processing of flexible plastic packaging waste into pyrolysis oil and multi-walled carbon nanotubes for electrocatalytic oxygen reduction. Journal of Hazardous Materials, 2020, 387, 121256.	6.5	103
39	Environmental impact assessment of converting flexible packaging plastic waste to pyrolysis oil and multi-walled carbon nanotubes. Journal of Hazardous Materials, 2020, 390, 121449.	6.5	86
40	Barium aluminate improved iron ore for the chemical looping combustion of syngas. Applied Energy, 2020, 272, 115236.	5.1	29
41	Highly active and poison-tolerant nickel catalysts for tar reforming synthesized through controlled hydrothermal synthesis. Applied Catalysis A: General, 2020, 607, 117779.	2.2	7
42	Heteroatom doped carbon nanosheets from waste tires as electrode materials for electrocatalytic oxygen reduction reaction: Effect of synthesis techniques on properties and activity. Carbon, 2020, 167, 104-113.	5.4	25
43	Enhanced activation of peroxydisulfate by CuO decorated on hexagonal boron nitride for bisphenol A removal. Chemical Engineering Journal, 2020, 393, 124714.	6.6	55
44	Carbon based copper(II) phthalocyanine catalysts for electrochemical CO2 reduction: Effect of carbon support on electrocatalytic activity. Carbon, 2020, 168, 245-253.	5.4	53
45	In situ grown metallic nickel from X–Ni (X=La, Mg, Sr) oxides for converting plastics into carbon nanotubes: Influence of metal–support interaction. Journal of Cleaner Production, 2020, 258, 120633.	4.6	58
46	Analytical assessment of tar generated during gasification of municipal solid waste: Distribution of GC–MS detectable tar compounds, undetectable tar residues and inorganic impurities. Fuel, 2020, 268, 117348.	3.4	29
47	Regenerable Co-ZnO-based nanocomposites for high-temperature syngas desulfurization. Fuel Processing Technology, 2020, 201, 106344.	3.7	20
48	Cobalt and nitrogen co-doped porous carbon/carbon nanotube hybrids anchored with nickel nanoparticles as high-performance electrocatalysts for oxygen reduction reactions. Nanoscale, 2020, 12, 13028-13033.	2.8	29
49	Synthesis of CaCr2O4/carbon nanoplatelets from non-condensable pyrolysis gas of plastics for oxygen reduction reaction and charge storage. Journal of Electroanalytical Chemistry, 2019, 849, 113368.	1.9	18
50	Effects of sewage sludge organic and inorganic constituents on the properties of pyrolysis products. Energy Conversion and Management, 2019, 196, 1410-1419.	4.4	89
51	Insights into the speciation of heavy metals during pyrolysis of industrial sludge. Science of the Total Environment, 2019, 691, 232-242.	3.9	86
52	Thermodynamic analyses of synthetic natural gas production via municipal solid waste gasification, high-temperature water electrolysis and methanation. Energy Conversion and Management, 2019, 202, 112160.	4.4	46
53	A hot syngas purification system integrated with downdraft gasification of municipal solid waste. Applied Energy, 2019, 237, 227-240.	5.1	76
54	Nickel-based catalysts for steam reforming of naphthalene utilizing gasification slag from municipal solid waste as a support. Fuel, 2019, 254, 115561.	3.4	19

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55	Catalytically active nitrogen-doped porous carbon derived from biowastes for organics removal via peroxymonosulfate activation. Chemical Engineering Journal, 2019, 374, 947-957.	6.6	82
56	Characteristics of incineration ash for sustainable treatment and reutilization. Environmental Science and Pollution Research, 2019, 26, 16974-16997.	2.7	113
57	Plastic derived carbon nanotubes for electrocatalytic oxygen reduction reaction: Effects of plastic feedstock and synthesis temperature. Electrochemistry Communications, 2019, 101, 11-18.	2.3	59
58	Insights into the single and binary adsorption of copper(II) and nickel(II) on hexagonal boron nitride: Performance and mechanistic studies. Journal of Environmental Chemical Engineering, 2019, 7, 102872.	3.3	24
59	Sal wood sawdust derived highly mesoporous carbon as prospective electrode material for vanadium redox flow batteries. Journal of Electroanalytical Chemistry, 2019, 834, 94-100.	1.9	33
60	A novel real-time monitoring and control system for waste-to-energy gasification process employing differential temperature profiling of a downdraft gasifier. Journal of Environmental Management, 2019, 234, 65-74.	3.8	20
61	Poisoning effects of H2S and HCl on the naphthalene steam reforming and water-gas shift activities of Ni and Fe catalysts. Fuel, 2019, 241, 1008-1018.	3.4	54
62	Pyrolysis derived char from municipal and industrial sludge: Impact of organic decomposition and inorganic accumulation on the fuel characteristics of char. Waste Management, 2019, 83, 131-141.	3.7	59
63	Distribution and modeling of tar compounds produced during downdraft gasification of municipal solid waste. Renewable Energy, 2019, 136, 1294-1303.	4.3	27
64	Fate and distribution of heavy metals during thermal processing of sewage sludge. Fuel, 2018, 226, 721-744.	3.4	203
65	Insights into the thermolytic transformation of lignocellulosic biomass waste to redox-active carbocatalyst: Durability of surface active sites. Applied Catalysis B: Environmental, 2018, 233, 120-129.	10.8	169
66	Catalytic activities and resistance to HCl poisoning of Ni-based catalysts during steam reforming of naphthalene. Applied Catalysis A: General, 2018, 557, 25-38.	2.2	29
67	Influence of surface morphology on the performance of nanostructured ZnO-loaded ceramic honeycomb for syngas desulfurization. Fuel, 2018, 211, 591-599.	3.4	35
68	Enhanced photocatalytic degradation of bisphenol A with Ag-decorated S-doped g-C3N4 under solar irradiation: Performance and mechanistic studies. Chemical Engineering Journal, 2018, 333, 739-749.	6.6	209
69	Evaluation of Lighting Systems, Carbon Sources, and Bacteria Cultures on Photofermentative Hydrogen Production. Applied Biochemistry and Biotechnology, 2018, 185, 257-269.	1.4	22
70	Upgrading of non-condensable pyrolysis gas from mixed plastics through catalytic decomposition and dechlorination. Fuel Processing Technology, 2018, 170, 13-20.	3.7	59
71	Conversion of Spent Coffee Beans to Electrode Material for Vanadium Redox Flow Batteries. Batteries, 2018, 4, 56.	2.1	20
72	Catalytic processing of non-condensable pyrolysis gas from plastics: Effects of calcium supports on nickel-catalyzed decomposition of hydrocarbons and HCl sorption. Chemical Engineering Science, 2018, 189, 311-319.	1.9	32

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73	Ordered mesoporous Zn-based supported sorbent synthesized by a new method for high-efficiency desulfurization of hot coal gas. Chemical Engineering Journal, 2018, 353, 273-287.	6.6	33
74	Ni-Zn-based nanocomposite loaded on cordierite mullite ceramic for syngas desulfurization: Performance evaluation and regeneration studies. Chemical Engineering Journal, 2018, 351, 230-239.	6.6	36
75	Determination of urine-derived odorous compounds in a source separation sanitation system. Journal of Environmental Sciences, 2017, 52, 240-249.	3.2	5
76	Application of system dynamics modeling for evaluation of different recycling scenarios in Singapore. Journal of Material Cycles and Waste Management, 2017, 19, 1177-1185.	1.6	36
77	High-quality fuel from food waste – investigation of a stepwise process from the perspective of technology development. Environmental Technology (United Kingdom), 2017, 38, 1735-1741.	1.2	3
78	Conversion of non-condensable pyrolysis gases from plastics into carbon nanomaterials: Effects of feedstock and temperature. Journal of Analytical and Applied Pyrolysis, 2017, 124, 16-24.	2.6	64
79	Multiple geophysical surveys for old landfill monitoring in Singapore. Environmental Monitoring and Assessment, 2017, 189, 20.	1.3	5
80	Optimization of micronutrient supplement for enhancing biogas production from food waste in two-phase thermophilic anaerobic digestion. Waste Management, 2017, 59, 465-475.	3.7	82
81	Insights for transformation of contaminants in leachate at a tropical landfill dominated by natural attenuation. Waste Management, 2016, 53, 105-115.	3.7	8
82	Characterization of Singapore RDF resources and analysis of their heating value. Sustainable Environment Research, 2016, 26, 51-54.	2.1	59
83	Effect of pretreatment techniques on food waste solubilization and biogas production during thermophilic batch anaerobic digestion. Journal of Material Cycles and Waste Management, 2016, 18, 222-230.	1.6	49
84	Air stripping process for ammonia recovery from source-separated urine: modeling and optimization. Journal of Chemical Technology and Biotechnology, 2015, 90, 2208-2217.	1.6	83
85	Monitoring transitory profiles of leachate humic substances in landfill aeration reactors in mesophilic and thermophilic conditions. Journal of Hazardous Materials, 2015, 287, 342-348.	6.5	19
86	Influence of temperature on carbon and nitrogen dynamics during in situ aeration of aged waste in simulated landfill bioreactors. Bioresource Technology, 2015, 192, 149-156.	4.8	16
87	Products evolution during hydrothermal conversion of dewatered sewage sludge in sub- and near-critical water: Effects of reaction conditions and calcium oxide additive. International Journal of Hydrogen Energy, 2015, 40, 5776-5787.	3.8	76
88	Mapping Refuse Profile in Singapore Old Dumping Ground through Electrical Resistivity, S-Wave Velocity and Geotechnical Monitoring. Bulletin of Environmental Contamination and Toxicology, 2015, 94, 275-281.	1.3	3
89	Application of hydroponic systems for the treatment of source-separated human urine. Ecological Engineering, 2015, 81, 182-191.	1.6	39
90	Evaluation of hydrogen producing cultures using pretreated food waste. International Journal of Hydrogen Energy, 2014, 39, 19337-19342.	3.8	36

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91	Hydrothermal gasification of sewage sludge and model compounds for renewable hydrogen production: A review. Renewable and Sustainable Energy Reviews, 2014, 39, 1127-1142.	8.2	207
92	EDTA-Enhanced Thermal Washing of Contaminated Dredged Marine Sediments for Heavy Metal Removal. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	12
93	Environmental life cycle assessment of different domestic wastewater streams: Policy effectiveness in a tropical urban environment. Journal of Environmental Management, 2014, 140, 60-68.	3.8	46
94	Conversion of sewage sludge to clean solid fuel using hydrothermal carbonization: Hydrochar fuel characteristics and combustion behavior. Applied Energy, 2013, 111, 257-266.	5.1	727
95	Characterization of induced struvite formation from source-separated urine using seawater and brine as magnesium sources. Chemosphere, 2013, 93, 2738-2747.	4.2	117
96	Removal of cytostatic drugs from aquatic environment: A review. Science of the Total Environment, 2013, 445-446, 281-298.	3.9	233
97	Comparative study of biohydrogen production by four dark fermentative bacteria. International Journal of Hydrogen Energy, 2013, 38, 15686-15692.	3.8	32
98	Adaptation of urine source separation in tropical cities: Process optimization and odor mitigation. Journal of the Air and Waste Management Association, 2013, 63, 472-481.	0.9	32
99	Impact of vertical electrokinetic-flushing technology to remove heavy metals and polycyclic aromatic hydrocarbons from contaminated soil. Electrochimica Acta, 2012, 86, 72-79.	2.6	16
100	Adsorption of Cu(II) ions from aqueous solutions on biochars prepared from agricultural by-products. Journal of Environmental Management, 2012, 96, 35-42.	3.8	280
101	Reprint of: Electrochemical oxidation of stabilized landfill leachate on DSA electrodes. Journal of Hazardous Materials, 2012, 207-208, 73-78.	6.5	29
102	Evaluation of a sequential aerobic anaerobic treatment of municipal solid waste in a bioreactor landfill. International Journal of Environmental Engineering, 2011, 3, 336.	0.1	2
103	Electrochemical oxidation of stabilized landfill leachate on DSA electrodes. Journal of Hazardous Materials, 2011, 190, 460-465.	6.5	71
104	Application of sequential extraction analysis to electrokinetic remediation of cadmium, nickel and zinc from contaminated soils. Journal of Hazardous Materials, 2010, 184, 547-554.	6.5	80
105	Comparative studies of aerobic and anaerobic treatment of MSW organic fraction in landfill bioreactors. Environmental Technology (United Kingdom), 2010, 31, 1381-1389.	1.2	31
106	Chelating agent-assisted electrokinetic removal of cadmium, lead and copper from contaminated soils. Environmental Pollution, 2009, 157, 3379-3386.	3.7	76
107	Transport of cadmium and assessment of phytotoxicity after electrokinetic remediation. Journal of Environmental Management, 2008, 86, 535-544.	3.8	18
108	Monitoring operational and leachate characteristics of an aerobic simulated landfill bioreactor. Waste Management, 2008, 28, 1346-1354.	3.7	65

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109	Electrochemical treatment of olive mill wastewater. Journal of Chemical Technology and Biotechnology, 2007, 82, 663-671.	1.6	77
110	Application of sodium dodecyl sulfate and humic acid as surfactants on electrokinetic remediation of cadmium-contaminated soil. Desalination, 2007, 211, 249-260.	4.0	67
111	Chelate Agents Enhanced Electrokinetic Remediation for Removal Cadmium and Zinc by Conditioning Catholyte pH. Water, Air, and Soil Pollution, 2006, 172, 295-312.	1.1	66
112	Washing enhanced electrokinetic remediation for removal cadmium from real contaminated soil. Journal of Hazardous Materials, 2005, 123, 165-175.	6.5	86
113	Effect of arsenic and mercury speciation on inhibition of respiration rate in activated sludge systems. Environmental Science and Pollution Research, 2003, 10, 177-182.	2.7	19