

Grzegorz Lisak

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7976642/grzegorz-lisak-publications-by-citations.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

159
papers

2,972
citations

29
h-index

43
g-index

163
ext. papers

4,137
ext. citations

8.3
avg, IF

6.44
L-index

#	Paper	IF	Citations
159	Fate and distribution of heavy metals during thermal processing of sewage sludge. <i>Fuel</i> , 2018 , 226, 721-744	7.44	142
158	Insights into the thermolytic transformation of lignocellulosic biomass waste to redox-active carbocatalyst: Durability of surface active sites. <i>Applied Catalysis B: Environmental</i> , 2018 , 233, 120-129	21.8	106
157	Application of conducting polymers to wound care and skin tissue engineering: A review. <i>Biosensors and Bioelectronics</i> , 2019 , 135, 50-63	11.8	98
156	Environmental perspectives of recycling various combustion ashes in cement production - A review. <i>Waste Management</i> , 2018 , 78, 401-416	8.6	83
155	Characteristics of incineration ash for sustainable treatment and reutilization. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 16974-16997	5.1	62
154	Processing of flexible plastic packaging waste into pyrolysis oil and multi-walled carbon nanotubes for electrocatalytic oxygen reduction. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121256	12.8	58
153	Effects of sewage sludge organic and inorganic constituents on the properties of pyrolysis products. <i>Energy Conversion and Management</i> , 2019 , 196, 1410-1419	10.6	57
152	Lead(II)-selective ionophores for ion-selective electrodes: a review. <i>Analytica Chimica Acta</i> , 2013 , 791, 1-12	6.6	57
151	Insights into the speciation of heavy metals during pyrolysis of industrial sludge. <i>Science of the Total Environment</i> , 2019 , 691, 232-242	10.2	54
150	Metal-organic frameworks for pesticidal persistent organic pollutants detection and adsorption - A mini review. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125325	12.8	51
149	A hot syngas purification system integrated with downdraft gasification of municipal solid waste. <i>Applied Energy</i> , 2019 , 237, 227-240	10.7	50
148	Paper-based microfluidic sampling for potentiometric determination of ions. <i>Sensors and Actuators B: Chemical</i> , 2015 , 207, 933-939	8.5	50
147	Inorganic salt modified paper substrates utilized in paper based microfluidic sampling for potentiometric determination of heavy metals. <i>Sensors and Actuators B: Chemical</i> , 2019 , 290, 347-356	8.5	48
146	Potentiometric sensing utilizing paper-based microfluidic sampling. <i>Analyst, The</i> , 2014 , 139, 2133-6	5	47
145	Environmental impact assessment of converting flexible packaging plastic waste to pyrolysis oil and multi-walled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2020 , 390, 121449	12.8	46
144	Plastic derived carbon nanotubes for electrocatalytic oxygen reduction reaction: Effects of plastic feedstock and synthesis temperature. <i>Electrochemistry Communications</i> , 2019 , 101, 11-18	5.1	41
143	PVC-Based Ion-Selective Electrodes with a Silicone Rubber Outer Coating with Improved Analytical Performance. <i>Analytical Chemistry</i> , 2019 , 91, 10524-10531	7.8	40

142	Effect of biochars on bioaccumulation and human health risks of potentially toxic elements in wheat (<i>Triticum aestivum</i> L.) cultivated on industrially contaminated soil. <i>Environmental Pollution</i> , 2020 , 260, 113887	9.3	40
141	Upgrading of non-condensable pyrolysis gas from mixed plastics through catalytic decomposition and dechlorination. <i>Fuel Processing Technology</i> , 2018 , 170, 13-20	7.2	40
140	Durable PEDOT:PSS films obtained from modified water-based inks for electrochemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2013 , 181, 694-701	8.5	38
139	Solid-contact ion-selective electrodes with highly selective thioamide derivatives of p-tert-butylcalix[4]arene for the determination of lead(II) in environmental samples. <i>Analytical Chemistry</i> , 2013 , 85, 1555-61	7.8	37
138	Poisoning effects of H ₂ S and HCl on the naphthalene steam reforming and water-gas shift activities of Ni and Fe catalysts. <i>Fuel</i> , 2019 , 241, 1008-1018	7.1	36
137	Sponge-based microfluidic sampling for potentiometric ion sensing. <i>Analytica Chimica Acta</i> , 2019 , 1091, 103-111	6.6	35
136	Taguchi optimization design of diameter-controlled synthesis of multi walled carbon nanotubes for the adsorption of Pb(II) and Ni(II) from chemical industry wastewater. <i>Chemosphere</i> , 2021 , 266, 128937	8.4	33
135	Textile-based sampling for potentiometric determination of ions. <i>Analytica Chimica Acta</i> , 2015 , 877, 71-96.6	9.6	31
134	Determination of Lead(II) in Groundwater Using Solid-State Lead(II) Selective Electrodes by Tuned Galvanostatic Polarization. <i>Electroanalysis</i> , 2013 , 25, 123-131	3	31
133	Carbon based copper(II) phthalocyanine catalysts for electrochemical CO ₂ reduction: Effect of carbon support on electrocatalytic activity. <i>Carbon</i> , 2020 , 168, 245-253	10.4	30
132	In situ grown metallic nickel from XNi (X=La, Mg, Sr) oxides for converting plastics into carbon nanotubes: Influence of metal-support interaction. <i>Journal of Cleaner Production</i> , 2020 , 258, 120633	10.3	30
131	Solid-contact lead(II) ion-selective electrodes for potentiometric determination of lead(II) in presence of high concentrations of Na(I), Cu(II), Cd(II), Zn(II), Ca(II) and Mg(II). <i>Sensors and Actuators B: Chemical</i> , 2015 , 218, 25-30	8.5	29
130	Paper-based microfluidic sampling and separation of analytes for potentiometric ion sensing. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 346-352	8.5	29
129	Tuned galvanostatic polarization of solid-state lead-selective electrodes for lowering of the detection limit. <i>Analytica Chimica Acta</i> , 2011 , 707, 1-6	6.6	29
128	Enhanced activation of peroxydisulfate by CuO decorated on hexagonal boron nitride for bisphenol A removal. <i>Chemical Engineering Journal</i> , 2020 , 393, 124714	14.7	28
127	Influence of surface morphology on the performance of nanostructured ZnO-loaded ceramic honeycomb for syngas desulfurization. <i>Fuel</i> , 2018 , 211, 591-599	7.1	28
126	In Situ Potentiometry and Ellipsometry: A Promising Tool to Study Biofouling of Potentiometric Sensors. <i>Analytical Chemistry</i> , 2016 , 88, 3009-14	7.8	28
125	Advanced sensing technologies of phenolic compounds for pharmaceutical and biomedical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 179, 112913	3.5	28

124	Thermodynamic analyses of synthetic natural gas production via municipal solid waste gasification, high-temperature water electrolysis and methanation. <i>Energy Conversion and Management</i> , 2019 , 202, 112160	10.6	27
123	Recovery of nanomolar detection limit of solid-contact lead (II)-selective electrodes by electrode conditioning. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 2983-2991	2.6	27
122	Life cycle assessment of plastic grocery bags and their alternatives in cities with confined waste management structure: A Singapore case study. <i>Journal of Cleaner Production</i> , 2021 , 278, 123956	10.3	27
121	Catalytic activities and resistance to HCl poisoning of Ni-based catalysts during steam reforming of naphthalene. <i>Applied Catalysis A: General</i> , 2018 , 557, 25-38	5.1	25
120	The use of fly ashes from waste-to-energy processes as mineral CO sequesters and supplementary cementitious materials. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122906	12.8	25
119	Co-complexation effects during incineration bottom ash leaching via comparison of measurements and geochemical modeling. <i>Journal of Cleaner Production</i> , 2018 , 189, 155-168	10.3	24
118	Ni-Zn-based nanocomposite loaded on cordierite mullite ceramic for syngas desulfurization: Performance evaluation and regeneration studies. <i>Chemical Engineering Journal</i> , 2018 , 351, 230-239	14.7	24
117	Electrochemical Behaviour of Poly(benzopyrene) Films Doped with Eriochrome Black T as a Pb ²⁺ -Sensitive Sensors. <i>Electroanalysis</i> , 2010 , 22, 2794-2800	3	23
116	A study on lowering the detection limit with solid-state lead-selective electrodes. <i>Talanta</i> , 2010 , 83, 436-440	4	22
115	Human exposure and risk assessment of recycling incineration bottom ash for land reclamation: A showcase coupling studies of leachability, transport modeling and bioaccumulation. <i>Journal of Hazardous Materials</i> , 2020 , 385, 121600	12.8	22
114	Sal wood sawdust derived highly mesoporous carbon as prospective electrode material for vanadium redox flow batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 834, 94-100	4.1	22
113	Influence of phosphate buffer and proteins on the potentiometric response of a polymeric membrane-based solid-contact Pb(II) ion-selective electrode. <i>Electrochimica Acta</i> , 2017 , 252, 490-497	6.7	21
112	Highly reproducible solid contact ion selective electrodes: Emerging opportunities for potentiometry - A review. <i>Analytica Chimica Acta</i> , 2021 , 1162, 338304	6.6	21
111	Catalytic processing of non-condensable pyrolysis gas from plastics: Effects of calcium supports on nickel-catalyzed decomposition of hydrocarbons and HCl sorption. <i>Chemical Engineering Science</i> , 2018 , 189, 311-319	4.4	21
110	Electrochemically controlled transport of anions across polypyrrole-based membranes. <i>Journal of Membrane Science</i> , 2019 , 581, 50-57	9.6	20
109	Multicalibrational procedure for more reliable analyses of ions at low analyte concentrations. <i>Electrochimica Acta</i> , 2014 , 140, 27-32	6.7	20
108	Flexible conducting polymer-based cellulose substrates for on-skin applications. <i>Materials Science and Engineering C</i> , 2020 , 108, 110392	8.3	20
107	Barium aluminate improved iron ore for the chemical looping combustion of syngas. <i>Applied Energy</i> , 2020 , 272, 115236	10.7	20

106	New polyacrylate-based lead(II) ion-selective electrodes. <i>Mikrochimica Acta</i> , 2009 , 164, 293-297	5.8	19
105	Metal-organic framework for sorptive/catalytic removal and sensing applications against nitroaromatic compounds. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 84, 87-95	6.3	19
104	The advanced sensing systems for NOx based on metal-organic frameworks: Applications and future opportunities. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 122, 115730	14.6	19
103	Paper as sampling substrates and all-integrating platforms in potentiometric ion determination. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 133, 116070	14.6	19
102	Distribution and modeling of tar compounds produced during downdraft gasification of municipal solid waste. <i>Renewable Energy</i> , 2019 , 136, 1294-1303	8.1	19
101	Cobalt and nitrogen co-doped porous carbon/carbon nanotube hybrids anchored with nickel nanoparticles as high-performance electrocatalysts for oxygen reduction reactions. <i>Nanoscale</i> , 2020 , 12, 13028-13033	7.7	18
100	Solid reference electrode integrated with paper-based microfluidics for potentiometric ion sensing. <i>Sensors and Actuators B: Chemical</i> , 2020 , 323, 128680	8.5	18
99	Vertical distribution of heavy metals in seawater column during IBA construction in land reclamation - Re-exploration of a large-scale field trial experiment. <i>Science of the Total Environment</i> , 2019 , 654, 356-364	10.2	18
98	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	8.4	18
97	Gold-silver nanoparticles modified electrochemical sensor array for simultaneous determination of chromium(III) and chromium(VI) in wastewater samples. <i>Chemosphere</i> , 2021 , 281, 130880	8.4	18
96	Analytical assessment of tar generated during gasification of municipal solid waste: Distribution of GCMS detectable tar compounds, undetectable tar residues and inorganic impurities. <i>Fuel</i> , 2020 , 268, 117348	7.1	17
95	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. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 109-118	9.3	17
94	Tuned ionophore-based bi-membranes for selective transport of target ions. <i>Journal of Membrane Science</i> , 2016 , 511, 76-83	9.6	17
93	Heteroatom doped carbon nanosheets from waste tires as electrode materials for electrocatalytic oxygen reduction reaction: Effect of synthesis techniques on properties and activity. <i>Carbon</i> , 2020 , 167, 104-113	10.4	16
92	Kinetics and modeling of trace metal leaching from bottom ashes dominated by diffusion or advection. <i>Science of the Total Environment</i> , 2020 , 719, 137203	10.2	16
91	Metal organic frameworks (MOFs): Current trends and challenges in control and management of air quality. <i>Korean Journal of Chemical Engineering</i> , 2019 , 36, 1839-1853	2.8	16
90	Nernst-Planck-Poisson Model for the Description of Behaviour of Solid-Contact Ion-Selective Electrodes at Low Analyte Concentration. <i>Electroanalysis</i> , 2013 , 25, 133-140	3	16
89	Silver(I)-selective electrodes based on rare earth element double-decker porphyrins. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127311	8.5	16

88	Dualism of Sensitivity and Selectivity of Porphyrin Dimers in Electroanalysis. <i>Analytical Chemistry</i> , 2017 , 89, 3943-3951	7.8	15
87	Progress and challenges in electrochemical sensing of volatile organic compounds using metal-organic frameworks. <i>Critical Reviews in Environmental Science and Technology</i> , 2019 , 49, 2016-2048 ^{11.1}	11.1	15
86	Chemical recycling of plastic waste for sustainable material management: A prospective review on catalysts and processes. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 154, 111866	16.2	15
85	On-line microcolumn-based dynamic leaching method for investigation of lead bioaccessibility in shooting range soils. <i>Chemosphere</i> , 2020 , 256, 127022	8.4	14
84	Ion selective electrodes utilizing a ferrocyanide doped redox active screen-printed solid contact - impact of electrode response to conditioning. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 870, 114262	4.1	14
83	Near real-time analysis of para-cresol in wastewater with a laccase-carbon nanotube-based biosensor. <i>Chemosphere</i> , 2021 , 269, 128699	8.4	14
82	Assessment of industrial wastewater for potentially toxic elements, human health (dermal) risks, and pollution sources: A case study of Gadoon Amazai industrial estate, Swabi, Pakistan. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126450	12.8	14
81	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. <i>Journal of Hazardous Materials</i> , 2022 , 423, 126993	12.8	14
80	Nickel-based catalysts for steam reforming of naphthalene utilizing gasification slag from municipal solid waste as a support. <i>Fuel</i> , 2019 , 254, 115561	7.1	13
79	Interaction between SO and NO in their adsorption and photocatalytic conversion on TiO. <i>Chemosphere</i> , 2020 , 249, 126136	8.4	13
78	Synthesis of CaCr2O4/carbon nanoplatelets from non-condensable pyrolysis gas of plastics for oxygen reduction reaction and charge storage. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 849, 113368 ^{4.1}	4.1	13
77	Graphene-like carbon nanosheets grown over alkali-earth metal oxides: Effects of chemical composition and physico-chemical properties. <i>Carbon</i> , 2020 , 159, 378-389	10.4	13
76	Conversion of Spent Coffee Beans to Electrode Material for Vanadium Redox Flow Batteries. <i>Batteries</i> , 2018 , 4, 56	5.7	13
75	Environmental footprint of voltammetric sensors based on screen-printed electrodes: An assessment towards "green" sensor manufacturing. <i>Chemosphere</i> , 2021 , 278, 130462	8.4	13
74	Advances in Antiviral Material Development. <i>ChemPlusChem</i> , 2020 , 85, 2105	2.8	12
73	A novel real-time monitoring and control system for waste-to-energy gasification process employing differential temperature profiling of a downdraft gasifier. <i>Journal of Environmental Management</i> , 2019 , 234, 65-74	7.9	12
72	Too small to matter? Physicochemical transformation and toxicity of engineered nTiO, nSiO, nZnO, carbon nanotubes, and nAg. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124107	12.8	12
71	Characterization of nano-layered solid-contact ion selective electrodes by simultaneous potentiometry and quartz crystal microbalance with dissipation. <i>Analytica Chimica Acta</i> , 2020 , 1128, 19-30 ^{6.6}	6.6	11

70	Weakening the strong Fe-La interaction in A-site-deficient perovskite via Ni substitution to promote the thermocatalytic synthesis of carbon nanotubes from plastics. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123642	12.8	11
69	Gold-modified paper as microfluidic substrates with reduced biofouling in potentiometric ion sensing. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130200	8.5	11
68	Reliable environmental trace heavy metal analysis with potentiometric ion sensors - reality or a distant dream. <i>Environmental Pollution</i> , 2021 , 289, 117882	9.3	11
67	3-D and electrically conducting functional skin mapping for biomedical applications. <i>Chemical Communications</i> , 2018 , 54, 980-983	5.8	10
66	Insights into the single and binary adsorption of copper(II) and nickel(II) on hexagonal boron nitride: Performance and mechanistic studies. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102872	6.8	10
65	BaAl-decorated iron ore as bifunctional oxygen carrier and HCl sorbent for chemical looping combustion of syngas. <i>Combustion and Flame</i> , 2021 , 223, 230-242	5.3	10
64	Cobalt ferrite nanoparticle-loaded nitrogen-doped carbon sponge as a magnetic 3D heterogeneous catalyst for monopersulfate-based oxidation of salicylic acid. <i>Chemosphere</i> , 2021 , 267, 128906	8.4	10
63	Technical and environmental assessment of laboratory scale approach for sustainable management of marine plastic litter. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126717	12.8	10
62	Regenerable Co-ZnO-based nanocomposites for high-temperature syngas desulfurization. <i>Fuel Processing Technology</i> , 2020 , 201, 106344	7.2	9
61	Flexible packaging plastic waste Environmental implications, management solutions, and the way forward. <i>Current Opinion in Chemical Engineering</i> , 2021 , 32, 100684	5.4	9
60	Accelerated organics degradation by peroxy monosulfate activated with biochar co-doped with nitrogen and sulfur. <i>Chemosphere</i> , 2021 , 277, 130313	8.4	9
59	Metal-complexed covalent organic frameworks derived N-doped carbon nanobubble-embedded cobalt nanoparticle as a magnetic and efficient catalyst for oxone activation. <i>Journal of Colloid and Interface Science</i> , 2021 , 591, 161-172	9.3	8
58	Oxygen carriers from incineration bottom ash for chemical looping combustion of syngas: Effect of composition on combustion efficiency. <i>Chemical Engineering Journal</i> , 2021 , 405, 127068	14.7	8
57	Support effects on thermocatalytic pyrolysis-reforming of polyethylene over impregnated Ni catalysts. <i>Applied Catalysis A: General</i> , 2021 , 622, 118222	5.1	8
56	Effects of different biochars on physicochemical properties and immobilization of potentially toxic elements in soil - A geostatistical approach. <i>Chemosphere</i> , 2021 , 277, 130350	8.4	8
55	Upcycling of exhausted reverse osmosis membranes into value-added pyrolysis products and carbon dots. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126472	12.8	8
54	High temperature slagging gasification of municipal solid waste with biomass charcoal as a greener auxiliary fuel. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127057	12.8	8
53	Progress and Challenges on Battery Waste Management :A Critical Review. <i>ChemistrySelect</i> , 2020 , 5, 6182-6193	1.8	7

52	Fe-assisted catalytic chemical vapor deposition of graphene-like carbon nanosheets over SrO. <i>Carbon</i> , 2021 , 171, 444-454	10.4	7
51	Iron ore modified with alkaline earth metals for the chemical looping combustion of municipal solid waste derived syngas. <i>Journal of Cleaner Production</i> , 2021 , 282, 124467	10.3	7
50	Highly active and poison-tolerant nickel catalysts for tar reforming synthesized through controlled hydrothermal synthesis. <i>Applied Catalysis A: General</i> , 2020 , 607, 117779	5.1	6
49	Hydrogen bromide in syngas: Effects on tar reforming, water gas-shift activities and sintering of Ni-based catalysts. <i>Applied Catalysis B: Environmental</i> , 2021 , 280, 119435	21.8	6
48	Chemical looping combustion-adsorption of HCl-containing syngas using alkaline-earth coated iron ore composites for simultaneous purification and combustion enhancement. <i>Chemical Engineering Journal</i> , 2021 , 417, 129226	14.7	6
47	A novel modified terpyridine derivative as a model molecule to study kinetic-based optical spectroscopic ion determination methods. <i>Synthetic Metals</i> , 2016 , 219, 101-108	3.6	5
46	The properties of particleboard composites made from three sorghum (<i>Sorghum bicolor</i>) accessions using maleic acid adhesive. <i>Chemosphere</i> , 2021 , 133163	8.4	5
45	In situ catalytic reforming of plastic pyrolysis vapors using MSW incineration ashes. <i>Environmental Pollution</i> , 2021 , 276, 116681	9.3	5
44	Multiwall carbon nanotubes derived from plastic packaging waste as a high-performance electrode material for supercapacitors. <i>International Journal of Energy Research</i> , 2021 , 45, 19611	4.5	5
43	Effective H ₂ S control during chemical looping combustion by iron ore modified with alkaline earth metal oxides. <i>Energy</i> , 2021 , 218, 119548	7.9	5
42	Dual-functional witherite in improving chemical looping performance of iron ore and simultaneous adsorption of HCl in syngas at high temperature. <i>Chemical Engineering Journal</i> , 2021 , 413, 127538	14.7	5
41	Self-Referencing Background Correction Method for Voltammetric Investigation of Reversible Redox Reaction. <i>Electroanalysis</i> , 2013 , 25, 2054-2059	3	4
40	Comparison and modeling of leachate transportation dominated by the field permeability with an anisotropic characteristic based on a large-scale field trial study. <i>Chemosphere</i> , 2020 , 242, 125254	8.4	4
39	Ultrafine cobalt nanoparticle-embedded leaf-like hollow N-doped carbon as an enhanced catalyst for activating monopersulfate to degrade phenol. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 929-940	9.3	4
38	Impact of molecular linker size on physicochemical properties of assembled gold nanoparticle mono-/multi-layers and their applicability for functional binding of biomolecules. <i>Journal of Colloid and Interface Science</i> , 2019 , 543, 307-316	9.3	3
37	Application of terpyridyl ligands to tune the optical and electrochemical properties of a conducting polymer.. <i>RSC Advances</i> , 2018 , 8, 29505-29512	3.7	3
36	Application of bipolar electrochemistry to accelerate dew point corrosion for screening of steel materials for power boilers. <i>Fuel</i> , 2020 , 265, 116886	7.1	3
35	Polyterthiophenes Cross-Linked with Terpyridyl Metal Complexes for Molecular Architecture of Optically and Electrochemically Tunable Materials. <i>ChemElectroChem</i> , 2020 , 7, 4453-4459	4.3	3

34	Non-equilibrium potentiometric sensors integrated with metal modified paper-based microfluidic solution sampling substrates for determination of heavy metals in complex environmental samples.. <i>Analytica Chimica Acta</i> , 2022 , 1197, 339495	6.6	2
33	Gravity-driven membrane filtration of primary wastewater effluent for edible plant cultivations: Membrane performance and health risk assessment. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107046	6.8	2
32	Carbon nanosheet-carbon nanocage encapsulated Cu composite from chemical vapor deposition of real-world plastic waste for tailored CO ₂ conversion to various products. <i>Applied Materials Today</i> , 2021 , 25, 101207	6.6	2
31	Electrografting of Sterically Bulky Tetramethylaniline Groups on Glassy Carbon Electrodes through Aryldiazonium Chemistry: Reasons for the Formation of Multilayers. <i>ChemElectroChem</i> , 2020 , 7, 3368-3380	4.3	2
30	Nanopetal-like copper hydroxide nitrate as a highly selective heterogeneous catalyst for valorization of vanillic alcohol via oxidation. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106092	6.8	2
29	Hierarchical ZIF-decorated nanoflower-covered 3-dimensional foam for enhanced catalytic reduction of nitrogen-containing contaminants. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 95-104	9.3	2
28	Acidified paper substrates for microfluidic solution sampling integrated with potentiometric sensors for determination of heavy metals. <i>Sensors and Actuators B: Chemical</i> , 2021 , 347, 130567	8.5	2
27	Hollow porous cobalt oxide nanobox as an enhanced for activating monopersulfate to degrade 2-hydroxybenzoic acid in water.. <i>Chemosphere</i> , 2021 , 294, 133441	8.4	1
26	One-pot synthesis of reduced graphene oxide/chitosan/zinc oxide ternary nanocomposites for supercapacitor electrodes with enhanced electrochemical properties. <i>Materials Letters</i> , 2022 , 314, 131846	2.3	1
25	Temperature-dependent producing multi-walled carbon nanotubes and hydrogen from plastic wastes over A-site-deficient perovskite LaNiCoO. <i>Chemosphere</i> , 2021 , 132831	8.4	1
24	Multi-heteroatom-doped carbocatalyst as peroxymonosulfate and peroxydisulfate activator for water purification: A critical review.. <i>Journal of Hazardous Materials</i> , 2021 , 426, 128077	12.8	1
23	Effects of modifier (Gd, Sc, La) addition on the stability of low Ni content catalyst for dry reforming of model biogas. <i>Fuel</i> , 2022 , 312, 122823	7.1	1
22	Nitrogen-containing carbon hollow nanocube-confined cobalt nanoparticle as a magnetic and efficient catalyst for activating monopersulfate to degrade a UV filter in water. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 106989	6.8	1
21	Selective leaching of scandium and yttrium from red mud induced by hydrothermal treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 2620-2629	3.5	1
20	Selective Aerobic Upgrading of Lignin-Derived Compound Using a Recyclable Dual-Functional TPO-Loaded Cu-BTC Catalyst. <i>Waste and Biomass Valorization</i> , 2021 , 12, 673-685	3.2	1
19	The Effects of Washing Techniques on Thermal Combustion Properties of Sewage Sludge Chars. <i>International Journal of Environmental Research</i> , 2021 , 15, 285-297	2.9	1
18	Physically Tailoring Ion Fluxes by Introducing Foamlike Structures into Polymeric Membranes of Solid Contact Ion-Selective Electrodes. <i>ACS Sensors</i> , 2021 , 6, 3667-3676	9.2	1
17	Evolution of electrochemical potentials mediated by lipophilic salts at the buried membrane interface of solid contact ion selective electrodes. <i>Sensors and Actuators B: Chemical</i> , 2021 , 349, 130766	8.5	1

16	Redistribution of mineral phases of incineration bottom ash by size and magnetic separation and its effects on the leaching behaviors. <i>Environmental Pollution</i> , 2021 , 290, 118015	9.3	1
15	Upgrading waste plastic derived pyrolysis gas via chemical looping cracking gasification using NiFeAl redox catalysts. <i>Chemical Engineering Journal</i> , 2022 , 438, 135580	14.7	1
14	Advanced Ni tar reforming catalysts resistant to syngas impurities: Current knowledge, research gaps and future prospects. <i>Fuel</i> , 2022 , 318, 123602	7.1	1
13	Tailoring FeO-AlO catalyst structure and activity via hydrothermal synthesis for carbon nanotubes and hydrogen production from polyolefin plastics.. <i>Chemosphere</i> , 2022 , 297, 134148	8.4	1
12	Conversion of reverse osmosis membranes into metal-free carbocatalyst for electrochemical syngas production. <i>Journal of CO2 Utilization</i> , 2022 , 58, 101908	7.6	0
11	Thermal behavior of Cu-Mg-Al-Ba/Sr bifunctional composites during chemical looping combustion and HCl adsorption of MSW syngas. <i>Chemical Engineering Journal</i> , 2022 , 430, 132871	14.7	0
10	Modulating local environment of Ni with W for synthesis of carbon nanotubes and hydrogen from plastics. <i>Journal of Cleaner Production</i> , 2022 , 352, 131620	10.3	0
9	Sorbents for high-temperature removal of alkali metals and HCl from municipal solid waste derived syngas. <i>Fuel</i> , 2022 , 321, 124058	7.1	0
8	Converting polyolefin plastics into few-walled carbon nanotubes via a tandem catalytic process: Importance of gas composition and system configuration.. <i>Journal of Hazardous Materials</i> , 2022 , 435, 128949	12.8	0
7	Few-walled carbon nanotubes derived from shoe waste plastics: Effect of feedstock composition on synthesis, properties and application as CO2 reduction electrodes. <i>Journal of Cleaner Production</i> , 2022 , 131868	10.3	0
6	Artificial Neural Network (ANN) Modelling for Biogas Production in Pre-Commercialized Integrated Anaerobic-Aerobic Bioreactors (IAAB). <i>Water (Switzerland)</i> , 2022 , 14, 1410	3	0
5	Characterization and comparison of gasification and incineration fly ashes generated from municipal solid waste in Singapore.. <i>Waste Management</i> , 2022 , 146, 44-52	8.6	0
4	Impacts of pyrolysis temperatures on physicochemical and structural properties of green waste derived biochars for adsorption of potentially toxic elements. <i>Journal of Environmental Management</i> , 2022 , 317, 115385	7.9	0
3	Diagnostics of skin features through 3D skin mapping based on electro-controlled deposition of conducting polymers onto metal-sebum modified surfaces and their possible applications in skin treatment. <i>Analytica Chimica Acta</i> , 2021 , 1142, 84-98	6.6	
2	Ultrasound process-enhanced removal of the toxic disinfection by-product bromate from water by aluminum: A comparative study.. <i>Water Environment Research</i> , 2022 , 94, e10720	2.8	
1	Facile synthesis of electrocatalytically active bismuth oxide nanosheets for detection of palladium traces in pharmaceutical wastewater. <i>Environmental Pollution</i> , 2022 , 307, 119524	9.3	