

Sang-Chul Jung

List of Publications by Year in descending order

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196
papers

3,865
citations

109264

35
h-index

182361

51
g-index

197
all docs

197
docs citations

197
times ranked

4034
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Hydrodeoxygenation of Bio-oil Model Compounds over Pt/HY Catalyst. <i>Scientific Reports</i> , 2016, 6, 28765.	1.6	133
2	Recent advances in volatile organic compounds abatement by catalysis and catalytic hybrid processes: A critical review. <i>Science of the Total Environment</i> , 2020, 719, 137405.	3.9	130
3	Effect of TiO ₂ thin film thickness and specific surface area by low-pressure metal-organic chemical vapor deposition on photocatalytic activities. <i>Applied Catalysis B: Environmental</i> , 2005, 55, 253-257.	10.8	121
4	Catalytic Copyrolysis of Cellulose and Thermoplastics over HZSM-5 and HY. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1354-1363.	3.2	113
5	Recent advances in the catalytic hydrodeoxygenation of bio-oil. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 3299-3315.	1.2	104
6	In-situ and ex-situ catalytic pyrolysis/co-pyrolysis of empty fruit bunches using mesostructured aluminosilicate catalysts. <i>Chemical Engineering Journal</i> , 2019, 366, 330-338.	6.6	84
7	In-situ catalytic pyrolysis of lignin in a bench-scale fixed bed pyrolyzer. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 447-453.	2.9	83
8	Catalytic pyrolysis of lignin using a two-stage fixed bed reactor comprised of in-situ natural zeolite and ex-situ HZSM-5. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 122, 282-288.	2.6	74
9	Production of value-added aromatics from wasted COVID-19 mask via catalytic pyrolysis. <i>Environmental Pollution</i> , 2021, 283, 117060.	3.7	66
10	Catalytic hydrodeoxygenation of crude bio-oil in supercritical methanol using supported nickel catalysts. <i>Renewable Energy</i> , 2019, 144, 159-166.	4.3	65
11	Catalytic ozonation of toluene using Mn ^M bimetallic HZSM-5 (M: Fe, Cu, Ru, Ag) catalysts at room temperature. <i>Journal of Hazardous Materials</i> , 2020, 397, 122577.	6.5	64
12	Production of aromatic hydrocarbons via catalytic co-pyrolysis of torrefied cellulose and polypropylene. <i>Energy Conversion and Management</i> , 2016, 129, 81-88.	4.4	63
13	Pyrolysis and catalytic upgrading of Citrus unshiu peel. <i>Bioresource Technology</i> , 2015, 194, 312-319.	4.8	60
14	Biohydrogen production from catalytic conversion of food waste via steam and air gasification using eggshell- and homo-type Ni/Al ₂ O ₃ catalysts. <i>Bioresource Technology</i> , 2021, 320, 124313.	4.8	59
15	Effects of operation conditions on pyrolysis characteristics of agricultural residues. <i>Renewable Energy</i> , 2012, 42, 125-130.	4.3	58
16	Rapid degradation of methyl orange using hybrid advanced oxidation process and its synergistic effect. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 35, 205-210.	2.9	57
17	Preparation of nonaggregated silver nanoparticles by the liquid phase plasma reduction method. <i>Journal of Materials Research</i> , 2013, 28, 1105-1110.	1.2	53
18	Removal of Cu ²⁺ by biochars derived from green macroalgae. <i>Environmental Science and Pollution Research</i> , 2016, 23, 985-994.	2.7	52

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19	Enhanced stability of bio-oil and diesel fuel emulsion using Span 80 and Tween 60 emulsifiers. <i>Journal of Environmental Management</i> , 2019, 231, 694-700.	3.8	52
20	Removal of toluene using ozone at room temperature over mesoporous Mn/Al ₂ O ₃ catalysts. <i>Environmental Research</i> , 2019, 172, 649-657.	3.7	51
21	Catalytic co-pyrolysis of cellulose and linear low-density polyethylene over MgO-impregnated catalysts with different acid-base properties. <i>Chemical Engineering Journal</i> , 2019, 373, 375-381.	6.6	50
22	In vitro study of 3D PLGA/n-HAp/ β -TCP composite scaffolds with etched oxygen plasma surface modification in bone tissue engineering. <i>Applied Surface Science</i> , 2016, 388, 321-330.	3.1	46
23	Facile preparation of tungsten oxide doped TiO ₂ photocatalysts using liquid phase plasma process for enhanced degradation of diethyl phthalate. <i>Chemical Engineering Journal</i> , 2019, 377, 120087.	6.6	45
24	Catalytic co-pyrolysis of biomass carbohydrates with LLDPE over Al-SBA-15 and mesoporous ZSM-5. <i>Catalysis Today</i> , 2017, 298, 46-52.	2.2	44
25	Upgrading of pyrolysis bio-oil using WO ₃ /ZrO ₂ and Amberlyst catalysts: Evaluation of acid number and viscosity. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2180-2187.	1.2	43
26	Facile synthesis of iron-ruthenium bimetallic oxide nanoparticles on carbon nanotube composites by liquid phase plasma method for supercapacitor. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2993-2998.	1.2	42
27	Rapid photocatalytic degradation of nitrobenzene under the simultaneous illumination of UV and microwave radiation fields with a TiO ₂ ball catalyst. <i>Catalysis Today</i> , 2018, 307, 65-72.	2.2	42
28	Titanium dioxide modification with cobalt oxide nanoparticles for photocatalysis. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 32, 259-263.	2.9	41
29	Improving removal of 4-chlorophenol using a TiO ₂ photocatalytic system with microwave and ultraviolet radiation. <i>Catalysis Today</i> , 2017, 293-294, 15-22.	2.2	41
30	Stabilization of bio-oil over a low cost dolomite catalyst. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 922-925.	1.2	41
31	Photocatalyzed destruction of organic dyes using microwave/UV/O ₃ /H ₂ O ₂ /TiO ₂ oxidation system. <i>Catalysis Today</i> , 2011, 164, 384-390.	2.2	38
32	Pd/C catalyzed transfer hydrogenation of pyrolysis oil using 2-propanol as hydrogen source. <i>Chemical Engineering Journal</i> , 2019, 377, 119986.	6.6	38
33	Characteristics of hydrogen production by photocatalytic water splitting using liquid phase plasma over Ag-doped TiO ₂ photocatalysts. <i>Environmental Research</i> , 2020, 188, 109630.	3.7	38
34	Enhancement of photocatalytic hydrogen production by liquid phase plasma irradiation on metal-loaded TiO ₂ /carbon nanofiber photocatalysts. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 11422-11429.	3.8	36
35	The microwave-assisted photo-catalytic degradation of organic dyes. <i>Water Science and Technology</i> , 2011, 63, 1491-1498.	1.2	35
36	Synthesis of manganese oxide/activated carbon composites for supercapacitor application using a liquid phase plasma reduction system. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 754-759.	3.8	35

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37	Photocatalytic reactions of 2,4-dichlorophenoxyacetic acid using a microwave-assisted photocatalysis system. <i>Chemical Engineering Journal</i> , 2015, 278, 259-264.	6.6	35
38	Suppressed char agglomeration by rotary kiln reactor with alumina ball during the pyrolysis of Kraft lignin. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 72-77.	2.9	35
39	Catalytic steam gasification of food waste using Ni-loaded rice husk derived biochar for hydrogen production. <i>Chemosphere</i> , 2021, 280, 130671.	4.2	35
40	Preparation, crystal structure, and photocatalytic activity of TiO ₂ films by chemical vapor deposition. <i>Korean Journal of Chemical Engineering</i> , 2001, 18, 867-872.	1.2	34
41	Catalytic fast co-pyrolysis of organosolv lignin and polypropylene over in-situ red mud and ex-situ HZSM-5 in two-step catalytic micro reactor. <i>Applied Surface Science</i> , 2020, 511, 145521.	3.1	34
42	Photocatalytic activities and specific surface area of TiO ₂ films prepared by CVD and sol-gel method. <i>Korean Journal of Chemical Engineering</i> , 2008, 25, 364-367.	1.2	33
43	Wild reed of Suncheon Bay: Potential bio-energy source. <i>Renewable Energy</i> , 2012, 42, 168-172.	4.3	33
44	Fabrication of Gd-La codoped TiO ₂ composite via a liquid phase plasma method and its application as visible-light photocatalysts. <i>Applied Surface Science</i> , 2019, 471, 893-899.	3.1	33
45	Enhancement of Hydrogen Evolution from Water Photocatalysis Using Liquid Phase Plasma on Metal Oxide-Loaded Photocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3659-3666.	3.2	32
46	Rapid destruction of the rhodamine B using TiO ₂ photocatalyst in the liquid phase plasma. <i>Chemistry Central Journal</i> , 2013, 7, 156.	2.6	31
47	Preparation and Characterization of Copper Nanoparticles via the Liquid Phase Plasma Method. <i>Current Nanoscience</i> , 2014, 10, 7-10.	0.7	31
48	Production of biofuels from pine needle via catalytic fast pyrolysis over HBeta. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 493-496.	1.2	31
49	Biological Effect of Gas Plasma Treatment on CO ₂ Gas Foaming/Salt Leaching Fabricated Porous Polycaprolactone Scaffolds in Bone Tissue Engineering. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-6.	1.5	27
50	Effective toluene oxidation under ozone over mesoporous MnOx/Al ₂ O ₃ catalyst prepared by solvent deficient method: Effect of Mn precursors on catalytic activity. <i>Environmental Research</i> , 2021, 195, 110876.	3.7	27
51	Assessment of Microwave/UV/O ₃ in the Photo-Catalytic Degradation of Bromothymol Blue in Aqueous Nano TiO ₂ Particles Dispersions. <i>Nanoscale Research Letters</i> , 2010, 5, 1627-1632.	3.1	26
52	Facile synthesis of bimetallic Ni-Cu nanoparticles using liquid phase plasma method. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1075-1079.	1.2	26
53	Pyrolysis and co-pyrolysis of <i>Laminaria japonica</i> and polypropylene over mesoporous Al-SBA-15 catalyst. <i>Nanoscale Research Letters</i> , 2014, 9, 376.	3.1	25
54	Biocompatibility of plasma polymerized sandblasted large grit and acid titanium surface. <i>Thin Solid Films</i> , 2012, 521, 150-154.	0.8	24

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55	Photo-catalytic destruction of ethylene using microwave discharge electrodeless lamp. Korean Journal of Chemical Engineering, 2015, 32, 1188-1193.	1.2	23
56	Waste furniture gasification using rice husk based char catalysts for enhanced hydrogen generation. Bioresource Technology, 2021, 341, 125813.	4.8	22
57	Assessing the electrochemical performance of a supercapacitor electrode made of copper oxide and activated carbon using liquid phase plasma. Applied Surface Science, 2018, 446, 243-249.	3.1	21
58	Photocatalytic Properties of Amorphous N-Doped TiO ₂ Photocatalyst under Visible Light Irradiation. Catalysts, 2021, 11, 1010.	1.6	21
59	Irradiation of liquid phase plasma on photocatalytic decomposition of acetic acid-containing wastewater over metal oxide photocatalysts. Catalysis Today, 2018, 307, 131-139.	2.2	20
60	Development of hydrogen production by liquid phase plasma process of water with Ni TiO ₂ /carbon nanotube photocatalysts. International Journal of Hydrogen Energy, 2018, 43, 5873-5880.	3.8	20
61	Effects of calcination and support on supported manganese catalysts for the catalytic oxidation of toluene as a model of VOCs. Research on Chemical Intermediates, 2016, 42, 185-199.	1.3	19
62	Synthesis of cobalt oxide-manganese oxide on activated carbon electrodes for electrochemical capacitor application using a liquid phase plasma method. International Journal of Hydrogen Energy, 2016, 41, 7582-7589.	3.8	19
63	Liquid Phase Plasma Synthesis of Iron Oxide Nanoparticles on Nitrogen-Doped Activated Carbon Resulting in Nanocomposite for Supercapacitor Applications. Nanomaterials, 2018, 8, 190.	1.9	19
64	Production of an upgraded lignin-derived bio-oil using the clay catalysts of bentonite and olivine and the spent FCC in a bench-scale fixed bed pyrolyzer. Environmental Research, 2019, 172, 658-664.	3.7	19
65	Degradation of dimethyl phthalate using a liquid phase plasma process with TiO ₂ photocatalysts. Environmental Research, 2019, 169, 256-260.	3.7	19
66	Recent applications of the liquid phase plasma process. Korean Journal of Chemical Engineering, 2021, 38, 885-898.	1.2	19
67	Catalytic Properties of Microporous Zeolite Catalysts in Synthesis of Isosorbide from Sorbitol by Dehydration. Catalysts, 2020, 10, 148.	1.6	18
68	The use of calcined seashell for the prevention of char foaming/agglomeration and the production of high-quality oil during the pyrolysis of lignin. Renewable Energy, 2019, 144, 147-152.	4.3	17
69	p300/CBP-associated factor promotes autophagic degradation of β -catenin through acetylation and decreases prostate cancer tumorigenicity. Scientific Reports, 2019, 9, 3351.	1.6	17
70	Acid-treated waste red mud as an efficient catalyst for catalytic fast copyrolysis of lignin and polypropylene and ozone-catalytic conversion of toluene. Environmental Research, 2020, 191, 110149.	3.7	17
71	Adsorptive removal of atmospheric pollutants over Pyropia tenera chars. Carbon Letters, 2016, 19, 79-88.	3.3	17
72	Comparison of Pore Structures of Cellulose-Based Activated Carbon Fibers and Their Applications for Electrode Materials. International Journal of Molecular Sciences, 2022, 23, 3680.	1.8	16

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73	Enhanced Water Splitting by Fe ₂ O ₃ -TiO ₂ -FTO Photoanode with Modified Energy Band Structure. Scientific World Journal, The, 2013, 2013, 1-8.	0.8	15
74	The photocatalytic destruction of cimetidine using microwave-assisted TiO ₂ photocatalysts hybrid system. Journal of Hazardous Materials, 2020, 391, 122568.	6.5	15
75	A study of the photocatalytic destruction of propylene using microwave discharge electrodeless lamp. Journal of Industrial and Engineering Chemistry, 2010, 16, 947-951.	2.9	14
76	Photoelectrochemical Properties of Supported on -Based Thin Films Converted from Self-Assembled Hydrogen Titanate Nanotube Powders. Journal of Nanomaterials, 2012, 2012, 1-6.	1.5	14
77	Co-application of liquid phase plasma process for hydrogen production and degradation of acetaldehyde over Ni TiO ₂ supported on porous materials. International Journal of Hydrogen Energy, 2017, 42, 24099-24107.	3.8	14
78	Degradation behaviors of naproxen by a hybrid TiO ₂ photocatalyst system with process components. Science of the Total Environment, 2020, 708, 135216.	3.9	14
79	Photocatalytic degradation of 1,4-dioxane using liquid phase plasma on visible light photocatalysts. Journal of Hazardous Materials, 2020, 399, 123087.	6.5	14
80	Preparation of Carbon Blacks by Liquid Phase Plasma (LPP) Process. Journal of Nanoscience and Nanotechnology, 2013, 13, 7381-7385.	0.9	13
81	Contribution of Dissolved Oxygen to Methyl Orange Decomposition by Liquid Phase Plasma Processes System. Ozone: Science and Engineering, 2014, 36, 244-248.	1.4	13
82	Facile precipitation of tin oxide nanoparticles on graphene sheet by liquid phase plasma method for enhanced electrochemical properties. Korean Journal of Chemical Engineering, 2018, 35, 750-756.	1.2	13
83	Comparison studies on pore development mechanisms of activated hard carbons from polymeric resins and their applications for electrode materials. Renewable Energy, 2019, 144, 116-122.	4.3	13
84	Recycling of a spent alkaline battery as a catalyst for the total oxidation of hydrocarbons. Journal of Hazardous Materials, 2021, 403, 123929.	6.5	13
85	Bipolar Pulsed Electrical Discharge for Synthesis of Tungsten Nanoparticles in the Aqueous Solutions. Science of Advanced Materials, 2014, 6, 1599-1604.	0.1	13
86	Contribution of Dissolved Oxygen to Methylene Blue Decomposition by Hybrid Advanced Oxidation Processes System. International Journal of Photoenergy, 2012, 2012, 1-6.	1.4	12
87	Microstructural effect on the photoelectrochemical performance of hematite-Fe ₂ O ₃ photoanode for water splitting. Electronic Materials Letters, 2012, 8, 345-350.	1.0	12
88	Characterization of Bimetallic Fe-Ru Oxide Nanoparticles Prepared by Liquid-Phase Plasma Method. Nanoscale Research Letters, 2016, 11, 344.	3.1	12
89	Effect of liquid phase plasma on photocatalysis of water for hydrogen evolution. International Journal of Hydrogen Energy, 2017, 42, 17386-17393.	3.8	12
90	Catalytic Pyrolysis of Organosolv and Klason Lignin Over Al-SBA-15. Journal of Nanoscience and Nanotechnology, 2018, 18, 1423-1426.	0.9	12

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91	Acetaldehyde removal and increased H ₂ /CO gas yield from biomass gasification over metal-loaded Kraft lignin char catalyst. <i>Journal of Environmental Management</i> , 2019, 232, 330-335.	3.8	12
92	The growth of LiNbO ₃ thin film by LPMOCVD using β^2 -diketonate complexes. <i>Korean Journal of Chemical Engineering</i> , 1999, 16, 229-233.	1.2	11
93	Preparation of high purity nano silica particles from blast-furnace slag. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1901-1905.	1.2	11
94	Preparation and characterization of zero valent iron powders via transfer type reductor using iron oxide from the acid regeneration process. <i>Advanced Powder Technology</i> , 2013, 24, 858-863.	2.0	11
95	Application of Recycled Zero-Valent Iron Nanoparticle to the Treatment of Wastewater Containing Nitrobenzene. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	1.5	11
96	Effect of the surfactant on size of nickel nanoparticles generated by liquid-phase plasma method. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015, 16, 1305-1310.	1.1	11
97	Highly Selective Catalytic Properties of HZSM-5 Zeolite in the Synthesis of Acetyl Triethyl Citrate by the Acetylation of Triethyl Citrate with Acetic Anhydride. <i>Catalysts</i> , 2017, 7, 321.	1.6	11
98	Heterogeneous photocatalytic degradation and hydrogen evolution from ethanolamine nuclear wastewater by a liquid phase plasma process. <i>Science of the Total Environment</i> , 2019, 676, 190-196.	3.9	11
99	Assessment of photocatalytic performance of Fe/N-TiO ₂ photocatalysts prepared by liquid phase plasma process. <i>Catalysis Today</i> , 2020, 355, 435-442.	2.2	11
100	Eco-friendly deicer prepared from waste oyster shells and its deicing properties with metal corrosion. <i>Environmental Technology (United Kingdom)</i> , 2020, 42, 1-9.	1.2	11
101	Bamboo-Based Mesoporous Activated Carbon for High-Power-Density Electric Double-Layer Capacitors. <i>Nanomaterials</i> , 2021, 11, 2750.	1.9	11
102	Photocatalytic hydrogen production using liquid phase plasma from ammonia water over metal ion-doped TiO ₂ photocatalysts. <i>Catalysis Today</i> , 2022, 397-399, 165-172.	2.2	11
103	Synthesis Process of Cobalt Nanoparticles in Liquid-Phase Plasma. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 01AN03.	0.8	10
104	Preparation and Characterization of Cobalt/Graphene Composites Using Liquid Phase Plasma System. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 228-231.	0.9	10
105	Fe-decorated TiO ₂ powder photocatalysts with enhanced visible-light-driven degradation activities. <i>Surface and Coatings Technology</i> , 2016, 307, 1018-1023.	2.2	10
106	Assembling a supercapacitor electrode with dual metal oxides and activated carbon using a liquid phase plasma. <i>Journal of Environmental Management</i> , 2017, 203, 880-887.	3.8	10
107	Catalytic upgrading of <i>Quercus Mongolica</i> under methane environment to obtain high yield of bioaromatics. <i>Environmental Pollution</i> , 2021, 272, 116016.	3.7	10
108	Production of H ₂ - and CO-rich syngas from the CO ₂ gasification of cow manure over (Sr/Mg)-promoted-Ni/Al ₂ O ₃ catalysts. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37218-37226.	3.8	10

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109	Crystalline Characterization and Photodecomposition Properties of Rod-Shaped Na ₂ /Ti ₆ /O ₁₃ Powder Prepared by Molten Salt Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 7269-7272.	0.9	9
110	Effect of anatase phase on electrochemical properties of the TiO ₂ (B) negative electrode for lithium-ion battery application. <i>Current Applied Physics</i> , 2013, 13, S148-S151.	1.1	9
111	Effect of Liquid Phase Plasma Irradiation on Production by Photocatalytic Water Splitting over SrTiO ₃ Photocatalysts. <i>ChemCatChem</i> , 2019, 11, 6451-6459.	1.8	9
112	Preparation of silicon oxide-carbon composite from benzene and trimethoxyphenylsilane by a liquid phase plasma method for supercapacitor applications. <i>Applied Surface Science</i> , 2019, 481, 625-631.	3.1	9
113	Preparation of Boron Nitride-Coated Carbon Fibers and Synergistic Improvement of Thermal Conductivity in Their Polypropylene-Matrix Composites. <i>Polymers</i> , 2019, 11, 2009.	2.0	9
114	In-Situ Catalytic Fast Pyrolysis of Pinecone over HY Catalysts. <i>Catalysts</i> , 2019, 9, 1034.	1.6	9
115	Correlation of hydrogen generation and optical emission properties of plasma in water photolysis on perovskite photocatalysts. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 8595-8604.	3.8	9
116	Visible Light Photocatalytic Activity of NaYF ₄ :(Yb,Er)-CuO/TiO ₂ Composite. <i>Catalysts</i> , 2018, 8, 521.	1.6	8
117	Simultaneous hydrogen production and pollutant degradation by photocatalysis of wastewater using liquid phase plasma. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 24028-24036.	3.8	8
118	Facile Preparation of Ni-Co Bimetallic Oxide/Activated Carbon Composites Using the Plasma in Liquid Process for Supercapacitor Electrode Applications. <i>Nanomaterials</i> , 2020, 10, 61.	1.9	8
119	Fabrication of Yb-doped TiO ₂ using liquid phase plasma process and its photocatalytic degradation activity of naproxen. <i>Journal of Materials Science</i> , 2020, 55, 9665-9675.	1.7	8
120	The Effect of Liquid Phase Plasma for Photocatalytic Degradation of Bromothymol Blue. <i>Science of Advanced Materials</i> , 2014, 6, 1627-1631.	0.1	8
121	Catalytic removal of volatile organic compounds using black mass from spent batteries. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 161-166.	1.2	8
122	Liquid Phase Plasma Synthesis of Iron Oxide/Carbon Composite as Dielectric Material for Capacitor. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-6.	1.5	7
123	TiO ₂ photocatalyst film using circulating fluidised bed-chemical vapour deposition. <i>Surface Engineering</i> , 2015, 31, 134-139.	1.1	7
124	A Hybrid Reactor System Comprised of Non-Thermal Plasma and Mn/Natural Zeolite for the Removal of Acetaldehyde from Food Waste. <i>Catalysts</i> , 2018, 8, 389.	1.6	7
125	Photocatalytic hydrogen production with purification of wastewater from nuclear power plant under irradiation of liquid phase plasma. <i>Chemical Engineering Journal</i> , 2020, 386, 121552.	6.6	7
126	Effect of palladium on the black mass-based catalyst prepared from spent Zn/Mn alkaline batteries for catalytic combustion of volatile organic compounds. <i>Chemosphere</i> , 2021, 276, 130209.	4.2	7

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127	Preparation of Hydrogen Titanate Nanotube/FTO Glass Thin Film Obtained by the Layer-by-Layer-Self Assembling Method for Water Splitting. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 7210-7213.	0.9	6
128	Synthesis of Manganese Nanoparticles in the Liquid Phase Plasma. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6103-6108.	0.9	6
129	Effect of 660nm Light-Emitting Diode on the Wound Healing in Fibroblast-Like Cell Lines. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-9.	1.4	6
130	Microporous Zeolites as Catalysts for the Preparation of Decyl Glucoside from Glucose with 1-Decanol by Direct Glucosidation. <i>Catalysts</i> , 2016, 6, 216.	1.6	6
131	In-Situ Catalytic Pyrolysis of Xylan and Dealkaline Lignin over SAPO-11. <i>Topics in Catalysis</i> , 2017, 60, 644-650.	1.3	6
132	Enhanced Electrochemical Performance of Carbon Nanotube with Nitrogen and Iron Using Liquid Phase Plasma Process for Supercapacitor Applications. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3830.	1.8	6
133	Enhanced bioaromatics synthesis via catalytic co-pyrolysis of cellulose and spent coffee ground over microporous HZSM-5 and HY. <i>Environmental Research</i> , 2020, 184, 109311.	3.7	6
134	Photocatalytic degradation of 1,4-dioxane and hydrogen production using liquid phase plasma on N- and Ni- codoped TiO ₂ photocatalyst. <i>Materials Letters</i> , 2021, 283, 128751.	1.3	6
135	Preparation of N and Eu doped TiO ₂ using plasma in liquid process and its photocatalytic degradation activity for diclofenac. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 2080-2088.	1.2	6
136	Hydrogen production by cracking of ammonium hydroxide using liquid-phase plasma on the modified TiO ₂ photocatalysts. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 41631-41639.	3.8	6
137	Characterization of zero valent iron prepared from by-product of pickling line and its decomposition reaction activity. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 1795-1799.	1.2	5
138	Photo-catalytic degradation of rhodamine B using microwave powered electrodeless discharge lamp. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 672-676.	1.2	5
139	Photodegradation of HCFC-22 Using Microwave Discharge Electrodeless Mercury Lamp with TiO ₂ Photocatalyst Balls. <i>Journal of Chemistry</i> , 2014, 2014, 1-6.	0.9	5
140	Microquantitation of Van Gogh-like Protein 1 by Using Antibody-Conjugated Magnetic Beads. <i>Biochip Journal</i> , 2019, 13, 151-157.	2.5	5
141	Assessing the photocatalytic activity of europium doped TiO ₂ using liquid phase plasma process on acetylsalicylic acid. <i>Catalysis Today</i> , 2020, , .	2.2	5
142	Impregnation of Cobalt on Graphene Sheet Using Liquid Phase Plasma Method for Lithium-Ion Batteries Application. <i>Science of Advanced Materials</i> , 2016, 8, 1769-1773.	0.1	5
143	Hydrogen Production through Catalytic Water Splitting Using Liquid-Phase Plasma over Bismuth Ferrite Catalyst. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13591.	1.8	5
144	Bipolar Pulsed Electrical Discharge for Decomposition of Methylene Blue in Aqueous TiO ₂ Nanoparticle Dispersions. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 1966-1969.	0.9	4

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145	Annealing Effect on the Microstructure and Electrochemical Properties of Fe ₂ O ₃ /H-TiNT/FTO Thin Film. Journal of Nanoscience and Nanotechnology, 2013, 13, 1863-1866.	0.9	4
146	Tin Oxide/Carbon Nanocomposites as the Electrode Material for Supercapacitors Using a Liquid Phase Plasma Method. Journal of Nanoscience and Nanotechnology, 2017, 17, 2578-2581.	0.9	4
147	Removal of Food Waste Odor Using Nanoporous Carbon Adsorbents. Journal of Nanoscience and Nanotechnology, 2018, 18, 1492-1494.	0.9	4
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