

Ming-Yen Wey

List of Publications by Year in descending order

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197
papers

4,932
citations

81900

39
h-index

149698

56
g-index

198
all docs

198
docs citations

198
times ranked

4578
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the characteristics of bottom and fly ashes generated from various incineration processes. <i>Journal of Hazardous Materials</i> , 2006, 138, 594-603.	12.4	138
2	The effect of particle size distribution on minimum fluidization velocity at high temperature. <i>Powder Technology</i> , 2002, 126, 297-301.	4.2	124
3	Hydrogen production by biomass gasification in a fluidized-bed reactor promoted by an Fe/CaO catalyst. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 6511-6518.	7.1	113
4	Study of SO ₂ adsorption and thermal regeneration over activated carbon-supported copper oxide catalysts. <i>Carbon</i> , 2004, 42, 2269-2278.	10.3	111
5	Preparation and characterization of multi-walled carbon nanotube/PBNPI nanocomposite membrane for H ₂ /CH ₄ separation. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 8707-8715.	7.1	104
6	Catalytic removal of SO ₂ , NO and HCl from incineration flue gas over activated carbon-supported metal oxides. <i>Carbon</i> , 2003, 41, 1079-1085.	10.3	98
7	Simultaneous removal of VOC and NO by activated carbon impregnated with transition metal catalysts in combustion flue gas. <i>Fuel Processing Technology</i> , 2007, 88, 557-567.	7.2	97
8	Carbon materials as catalyst supports for SO ₂ oxidation: catalytic activity of CuO/AC. <i>Carbon</i> , 2003, 41, 139-149.	10.3	93
9	Thermal treatment of the fly ash from municipal solid waste incinerator with rotary kiln. <i>Journal of Hazardous Materials</i> , 2006, 137, 981-989.	12.4	86
10	A comparison of carbon/nanotube molecular sieve membranes with polymer blend carbon molecular sieve membranes for the gas permeation application. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 499-510.	4.4	83
11	Fabrication and characterization of PPO/PVP blend carbon molecular sieve membranes for H ₂ /N ₂ and H ₂ /CH ₄ separation. <i>Journal of Membrane Science</i> , 2011, 372, 387-395.	8.2	80
12	Evaluation of the distribution patterns of Pb, Cu and Cd from MSWI fly ash during thermal treatment by sequential extraction procedure. <i>Journal of Hazardous Materials</i> , 2009, 162, 1000-1006.	12.4	78
13	Photocatalytic properties of redox-treated Pt/TiO ₂ photocatalysts for H ₂ production from an aqueous methanol solution. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 7699-7705.	7.1	78
14	The properties and filtration efficiency of activated carbon polymer composite membranes for the removal of humic acid. <i>Desalination</i> , 2013, 313, 166-175.	8.2	73
15	Effects of Nickel Species on Ni/Al ₂ O ₃ Catalysts in Carbon Nanotube and Hydrogen Production by Waste Plastic Gasification: Bench- and Pilot-Scale Tests. <i>Energy & Fuels</i> , 2015, 29, 8178-8187.	5.1	73
16	The effect of mineral compositions of waste and operating conditions on particle agglomeration/defluidization during incineration. <i>Fuel</i> , 2004, 83, 2335-2343.	6.4	68
17	Effects of acid treatments of activated carbon on its physiochemical structure as a support for copper oxide in DeSO ₂ reaction catalysts. <i>Chemosphere</i> , 2006, 62, 756-766.	8.2	63
18	Preparation and characterization of carbon molecular sieve membranes for gas separation—the effect of incorporated multi-wall carbon nanotubes. <i>Desalination</i> , 2009, 240, 40-45.	8.2	58

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19	Effect of particle agglomeration on heavy metals adsorption by Al- and Ca-based sorbents during fluidized bed incineration. <i>Fuel Processing Technology</i> , 2011, 92, 2089-2098.	7.2	58
20	Fabrication and characterization of poly(phenylene oxide)/SBA-15/carbon molecule sieve multilayer mixed matrix membrane for gas separation. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6971-6983.	7.1	57
21	Co-production of carbon nanotubes and hydrogen from waste plastic gasification in a two-stage fluidized catalytic bed. <i>Renewable Energy</i> , 2020, 159, 10-22.	8.9	57
22	Application of polyol process to prepare AC-supported nanocatalyst for VOC oxidation. <i>Applied Catalysis A: General</i> , 2007, 325, 163-174.	4.3	54
23	The performance of CNT as catalyst support on CO oxidation at low temperature. <i>Fuel</i> , 2007, 86, 1153-1161.	6.4	51
24	Inhibition and promotion: The effect of earth alkali metals and operating temperature on particle agglomeration/defluidization during incineration in fluidized bed. <i>Powder Technology</i> , 2009, 189, 57-63.	4.2	51
25	Formations and controls of HCl and PAHs by different additives during waste incineration. <i>Fuel</i> , 2006, 85, 755-763.	6.4	48
26	Photocatalytic conversion of simulated EDTA wastewater to hydrogen by pH-resistant Pt/TiO ₂ -activated carbon photocatalysts. <i>Renewable Energy</i> , 2015, 75, 266-271.	8.9	48
27	Adsorption Mechanism of Heavy Metals on Sorbents during Incineration. <i>Journal of Environmental Engineering, ASCE</i> , 2001, 127, 63-69.	1.4	47
28	Influence of support structure on the permeation behavior of polyetherimide-derived carbon molecular sieve composite membrane. <i>Journal of Membrane Science</i> , 2012, 405-406, 250-260.	8.2	46
29	Effect of dry/wet-phase inversion method on fabricating polyetherimide-derived CMS membrane for H ₂ /N ₂ separation. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 1650-1658.	7.1	44
30	Hydrogen production through methanol steam reforming: Effect of synthesis parameters on Ni-Cu/CaO-SiO ₂ catalysts activity. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 19494-19501.	7.1	44
31	Reuse of bottom ash and fly ash from mechanical-bed and fluidized-bed municipal incinerators in manufacturing lightweight aggregates. <i>Ceramics International</i> , 2018, 44, 12691-12696.	4.8	44
32	The behavior of heavy metal Cr,Pb and Cd during waste incineration in fluidized bed under various chlorine additives.. <i>Journal of Chemical Engineering of Japan</i> , 1996, 29, 494-500.	0.6	42
33	Effect of SBA-15 texture on the gas separation characteristics of SBA-15/polymer multilayer mixed matrix membrane. <i>Journal of Membrane Science</i> , 2011, 369, 550-559.	8.2	42
34	NO removal by activated carbon-supported copper catalysts prepared by impregnation, polyol, and microwave heated polyol processes. <i>Applied Catalysis A: General</i> , 2011, 397, 234-240.	4.3	42
35	Effects of Temperature and Equivalence Ratio on Carbon Nanotubes and Hydrogen Production from Waste Plastic Gasification in Fluidized Bed. <i>Energy & Fuels</i> , 2018, 32, 5462-5470.	5.1	42
36	Theoretical and Experimental Study of Metal Capture during Incineration Process. <i>Journal of Environmental Engineering, ASCE</i> , 1997, 123, 1100-1106.	1.4	41

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37	The prospect and development of incinerators for municipal solid waste treatment and characteristics of their pollutants in Taiwan. <i>Applied Thermal Engineering</i> , 2008, 28, 2305-2314.	6.0	41
38	Preparation of PPO-silica mixed matrix membranes by in-situ sol-gel method for H ₂ /CO ₂ separation. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17178-17190.	7.1	41
39	The influence of heavy metals on the formation of organics and HCl during incinerating of PVC-containing waste. <i>Journal of Hazardous Materials</i> , 1998, 60, 259-270.	12.4	40
40	Two-stage simulation of the major heavy-metal species under various incineration conditions. <i>Environment International</i> , 1998, 24, 451-466.	10.0	39
41	Simultaneous treatment of organic compounds, CO, and NO _x in the incineration flue gas by three-way catalyst. <i>Applied Catalysis B: Environmental</i> , 2004, 48, 25-35.	20.2	37
42	Cadmium Stabilization Efficiency and Leachability by CdAl ₄ O ₇ Monoclinic Structure. <i>Environmental Science & Technology</i> , 2015, 49, 14452-14459.	10.0	37
43	The size, shape, and dispersion of active sites on AC-supported copper nanocatalysts with polyol process: The effect of precursors. <i>Applied Catalysis A: General</i> , 2008, 344, 36-44.	4.3	36
44	Enhanced optical and electronic properties of a solar light-responsive photocatalyst for efficient hydrogen evolution by SrTiO ₃ /TiO ₂ nanotube combination. <i>Solar Energy</i> , 2016, 134, 52-63.	6.1	35
45	Preparation and characterization of PPSU/PBNPI blend membrane for hydrogen separation. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 4178-4182.	7.1	34
46	Catalytic upgrading of syngas from fluidized bed air gasification of sawdust. <i>Bioresource Technology</i> , 2012, 110, 670-675.	9.6	34
47	The density and crystallinity properties of PPO-silica mixed-matrix membranes produced via the in situ sol-gel method for H ₂ /CO ₂ separation. II: Effect of thermal annealing treatment. <i>Chemical Engineering Research and Design</i> , 2015, 104, 319-332.	5.6	33
48	The influence of heavy metals on partitioning of PAHs during incineration. <i>Journal of Hazardous Materials</i> , 2000, 77, 77-87.	12.4	32
49	Control of acid gases using a fluidized bed adsorber. <i>Journal of Hazardous Materials</i> , 2003, 101, 259-272.	12.4	32
50	Al ₂ O ₃ -supported Cu-Co bimetallic catalysts prepared with polyol process for removal of BTEX and PAH in the incineration flue gas. <i>Fuel</i> , 2009, 88, 340-347.	6.4	32
51	Properties and H ₂ production ability of Pt photodeposited on the anatase phase transition of nitrogen-doped titanium dioxide. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 9479-9486.	7.1	32
52	Improving the mechanical strength and gas separation performance of CMS membranes by simply sintering treatment of γ -Al ₂ O ₃ support. <i>Journal of Membrane Science</i> , 2014, 453, 603-613.	8.2	32
53	The Autothermal Pyrolysis of Waste Tires. <i>Journal of the Air and Waste Management Association</i> , 1995, 45, 855-863.	1.9	31
54	Influence of hydrodynamic parameters on particle attrition during fluidization at high temperature. <i>Korean Journal of Chemical Engineering</i> , 2005, 22, 154-160.	2.7	31

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55	Ni/SiO ₂ core-shell catalysts for catalytic hydrogen production from waste plastics-derived syngas. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 11239-11251.	7.1	31
56	Thermal degradation of waste plastics in a two-stage pyrolysis-catalysis reactor over core-shell type catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 142, 104641.	5.5	31
57	Feasibility of using waste polystyrene as a membrane material for gas separation. <i>Chemical Engineering Research and Design</i> , 2016, 111, 204-217.	5.6	30
58	Creation of tiny defects in ZIF-8 by thermal annealing to improve the CO ₂ /N ₂ separation of mixed matrix membranes. <i>Journal of Membrane Science</i> , 2019, 572, 410-418.	8.2	30
59	The effect of ash and filter media characteristics on particle filtration efficiency in fluidized bed. <i>Journal of Hazardous Materials</i> , 2005, 121, 175-181.	12.4	29
60	Thermal treatment of soil co-contaminated with lube oil and heavy metals in a low-temperature two-stage fluidized bed incinerator. <i>Applied Thermal Engineering</i> , 2016, 93, 131-138.	6.0	29
61	Synthesis of solar-light responsive Pt/g-C ₃ N ₄ /SrTiO ₃ composite for improved hydrogen production: Investigation of Pt/g-C ₃ N ₄ /SrTiO ₃ synthetic sequences. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 21413-21423.	7.1	29
62	Emission of carbon dioxide in municipal solid waste incineration in Taiwan: A comparison with thermal power plants. <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, 889-898.	4.6	28
63	Emission characteristics of organic and heavy metal pollutants in fluidized bed incineration during the agglomeration/defluidization process. <i>Combustion and Flame</i> , 2005, 143, 139-149.	5.2	27
64	Carbon nanotube and hydrogen production from waste plastic gasification over Ni/Al-SBA-15 catalysts: effect of aluminum content. <i>RSC Advances</i> , 2016, 6, 40731-40740.	3.6	27
65	Effect of MFI zeolite intermediate layers on gas separation performance of carbon molecular sieve (CMS) membranes. <i>Journal of Membrane Science</i> , 2013, 446, 220-229.	8.2	26
66	The comparison between the polyol process and the impregnation method for the preparation of CNT-supported nanoscale Cu catalyst. <i>Chemical Engineering Journal</i> , 2009, 145, 461-467.	12.7	25
67	Facile approach for Z-scheme type Pt/g-C ₃ N ₄ /SrTiO ₃ heterojunction semiconductor synthesis via low-temperature process for simultaneous dyes degradation and hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13330-13339.	7.1	25
68	Stability of heavy metals in bottom ash and fly ash under various incinerating conditions. <i>Journal of Hazardous Materials</i> , 1998, 57, 145-154.	12.4	24
69	The Relationship between the Quantity of Heavy Metal and PAHs in Fly Ash. <i>Journal of the Air and Waste Management Association</i> , 1998, 48, 750-756.	1.9	24
70	Effects of high temperature and combustion on fluidized material attrition in a fluidized bed. <i>Korean Journal of Chemical Engineering</i> , 2003, 20, 1123-1130.	2.7	24
71	Design of a Pt/TiO ₂ -xNx/SrTiO ₃ triplejunction for effective photocatalytic H ₂ production under solar light irradiation. <i>Chemical Engineering Journal</i> , 2013, 223, 854-859.	12.7	24
72	A novel technique using reclaimed tire rubber for gas separation membranes. <i>Journal of Membrane Science</i> , 2016, 520, 314-325.	8.2	24

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73	Reuse of reclaimed tire rubber for gas-separation membranes prepared by hot-pressing. <i>Journal of Cleaner Production</i> , 2019, 237, 117739.	9.3	24
74	Control of Incinerator Organics by Fluidized Bed Activated Carbon Adsorber. <i>Journal of Environmental Engineering, ASCE</i> , 2000, 126, 985-992.	1.4	23
75	Emission of Pb and PAHs from thermally co-treated MSWI fly ash and bottom ash process. <i>Journal of Hazardous Materials</i> , 2008, 150, 27-36.	12.4	23
76	An efficient composite growing N-doped TiO ₂ on multi-walled carbon nanotubes through sol-gel process. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2503-2510.	1.9	23
77	Design of a solar light-responsive metal oxide/CdS/SrTiO ₃ catalyst with enhanced charge separation for hydrogen evolution. <i>Solar Energy</i> , 2017, 147, 240-247.	6.1	23
78	Comparison of visible-light-driven routes of anion-doped TiO ₂ and composite photocatalyst. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 753-758.	1.1	22
79	Catalytic treating of gas pollutants over cobalt catalyst supported on porous carbons derived from rice husk and carbon nanotube. <i>Applied Catalysis B: Environmental</i> , 2009, 90, 652-661.	20.2	21
80	Evaluation of SO ₂ oxidation and fly ash filtration by an activated carbon fluidized-bed reactor: The effects of acid modification, copper addition and operating condition. <i>Fuel</i> , 2010, 89, 732-742.	6.4	21
81	Catalytic removal of NO and PAHs over AC-supported catalysts from incineration flue gas: Bench-scale and pilot-plant tests. <i>Chemical Engineering Journal</i> , 2011, 169, 135-143.	12.7	21
82	Structure-controlled mesoporous SBA-15-derived mixed matrix membranes for H ₂ purification and CO ₂ capture. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 11379-11391.	7.1	21
83	Filtration of nano-particles by a gas-solid fluidized bed. <i>Journal of Hazardous Materials</i> , 2007, 147, 618-624.	12.4	20
84	Effects of sodium modification, different reductants and SO ₂ on NO reduction by Rh/Al ₂ O ₃ catalysts at excess O ₂ conditions. <i>Journal of Hazardous Materials</i> , 2008, 156, 348-355.	12.4	20
85	The effect of aluminum inhibition on the defluidization behavior and generation of pollutants in fluidized bed incineration. <i>Fuel Processing Technology</i> , 2008, 89, 1227-1236.	7.2	20
86	The different properties of lightweight aggregates with the fly ashes of fluidized-bed and mechanical incinerators. <i>Construction and Building Materials</i> , 2015, 101, 380-388.	7.2	20
87	Hydrogen promotion by Co/SiO ₂ @HZSM-5 core-shell catalyst for syngas from plastic waste gasification: The combination of functional materials. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13480-13489.	7.1	20
88	Interfacial interaction between CMS layer and substrate: Critical factors affecting membrane microstructure and H ₂ and CO ₂ separation performance from CH ₄ . <i>Journal of Membrane Science</i> , 2019, 580, 49-61.	8.2	20
89	Activity and characterization of Rh/Al ₂ O ₃ and Rh-Na/Al ₂ O ₃ catalysts for the SCR of NO with CO in the presence of SO ₂ and HCl. <i>Fuel</i> , 2010, 89, 1919-1927.	6.4	18
90	Effect of alkali concentrations and operating conditions on agglomeration/defluidization behavior during fluidized bed air gasification. <i>Powder Technology</i> , 2011, 214, 443-446.	4.2	18

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91	CuO/CeO ₂ catalysts prepared with different cerium supports for CO oxidation at low temperature. <i>Materials Chemistry and Physics</i> , 2013, 141, 512-518.	4.0	18
92	Prediction of defluidization time of alkali composition at various operating conditions during incineration. <i>Powder Technology</i> , 2006, 161, 150-157.	4.2	17
93	Collection of SiO ₂ , Al ₂ O ₃ and Fe ₂ O ₃ particles using a gas-solid fluidized bed filter. <i>Journal of Hazardous Materials</i> , 2009, 171, 102-110.	12.4	17
94	Design of catalysts comprising a nickel core and ceria shell for hydrogen production from plastic waste gasification: an integrated test for anti-coking and catalytic performance. <i>Catalysis Science and Technology</i> , 2020, 10, 3975-3984.	4.1	17
95	Synthesis of carbon nanotubes with controllable diameter by chemical vapor deposition of methane using Fe@Al ₂ O ₃ core-shell nanocomposites. <i>Chemical Engineering Science</i> , 2020, 217, 115541.	3.8	17
96	Solvent effects on diffusion channel construction of organosilica membrane with excellent CO ₂ separation properties. <i>Journal of Membrane Science</i> , 2021, 618, 118758.	8.2	17
97	Characterizing PAH emission concentrations in ambient air during a large-scale joss paper open-burning event. <i>Journal of Hazardous Materials</i> , 2008, 156, 223-229.	12.4	16
98	Enhancing the CO ₂ plasticization resistance of PS mixed-matrix membrane by blunt zeolitic imidazolate framework. <i>Journal of CO₂ Utilization</i> , 2018, 25, 79-88.	6.8	16
99	Evaluating the potential of CNT-supported Co catalyst used for gas pollution removal in the incineration flue gas. <i>Journal of Environmental Management</i> , 2009, 90, 1884-1892.	7.8	15
100	Effect of agglomeration/defluidization on hydrogen generation during fluidized bed air gasification of modified biomass. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 1409-1417.	7.1	15
101	Facile synthesis of CO ₂ -selective membrane derived from butyl reclaimed rubber (BRR) for efficient CO ₂ separation. <i>Journal of CO₂ Utilization</i> , 2018, 25, 226-234.	6.8	15
102	Core-shell design and well-dispersed Pd particles for three-way catalysis: Effect of halloysite nanotubes functionalized with Schiff base. <i>Science of the Total Environment</i> , 2019, 675, 397-407.	8.0	15
103	Thin carbon hollow fiber membrane with Knudsen diffusion for hydrogen/alkane separation: Effects of hollow fiber module design and gas flow mode. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 7290-7302.	7.1	15
104	Design of a thermally resistant core@shell/halloysite catalyst with optimized structure and surface properties for a Pd-only three-way catalyst. <i>Applied Catalysis A: General</i> , 2020, 602, 117732.	4.3	15
105	Filtration of Fly Ash Using a Fluidized-Bed Filter. <i>Journal of the Air and Waste Management Association</i> , 2005, 55, 181-193.	1.9	14
106	Filtration of fly ash using fluidized bed at 300-500°C. <i>Fuel</i> , 2007, 86, 161-168.	6.4	14
107	Effects of the ratio of Cu/Co and metal precursors on the catalytic activity over Cu-Co/Al ₂ O ₃ prepared using the polyol process. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 157, 105-112.	3.5	14
108	Mechanisms of particle agglomeration and inhibition approach in the existence of heavy metals during fluidized bed incineration. <i>Chemical Engineering Science</i> , 2010, 65, 4955-4966.	3.8	14

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109	Study on Pb and PAHs Emission Levels of Heavy Metals- and PAHs-Contaminated Soil during Thermal Treatment Process. <i>Journal of Environmental Engineering, ASCE</i> , 2010, 136, 112-118.	1.4	14
110	Insights into the Role of Polymer Conformation on the Cutoff Size of Carbon Molecular Sieving Membranes for Hydrogen Separation and Its Novel Pore Size Detection Technology. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5165-5175.	8.0	14
111	Mass and Elemental Size Distribution of Chromium, Lead and Cadmium under Various Incineration Conditions.. <i>Journal of Chemical Engineering of Japan</i> , 1998, 31, 506-517.	0.6	14
112	Catalytic activity of copper-supported catalyst for NO reduction in the presence of oxygen: Fitting of calcination temperature and copper loading. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 175, 100-107.	3.5	13
113	Removals of fly ash and NO in a fluidized-bed reactor with CuO/activated carbon catalysts. <i>Journal of Hazardous Materials</i> , 2011, 187, 190-198.	12.4	13
114	Development of a low-temperature two-stage fluidized bed incinerator for controlling heavy-metal emission in flue gases. <i>Applied Thermal Engineering</i> , 2014, 62, 706-713.	6.0	13
115	Sintering-resistant, highly thermally stable and well-dispersed Pd@CeO ₂ /halloysite as an advanced three-way catalyst. <i>Science of the Total Environment</i> , 2020, 707, 136137.	8.0	13
116	Dynamic purification of coal ash by a gas-solid fluidized bed. <i>Chemosphere</i> , 2005, 60, 1341-1348.	8.2	12
117	Catalytic removal of NO in waste incineration processes over Rh/Al ₂ O ₃ and Rh-Na/Al ₂ O ₃ : Effects of particulates, heavy metals, SO ₂ and HCl. <i>Fuel Processing Technology</i> , 2009, 90, 576-582.	7.2	12
118	Study of the activity and backscattered electron image of Pt/CNTs prepared by the polyol process for flue gas purification. <i>Applied Catalysis A: General</i> , 2009, 354, 57-62.	4.3	12
119	Study of SBA-15 supported catalysts for toluene and NO removal: the effect of promoters (Co, Ni, Mn,). <i>Journal of Environmental Engineering and Technology</i> , 2017, 8, 1784-1794.	1.7	12
120	Development of CMS/Al ₂ O ₃ -supported PPO composite membrane for hydrogen separation. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 3092-3104.	7.1	12
121	Woody waste air gasification in fluidized bed with Ca- and Mg-modified bed materials and additives. <i>Applied Thermal Engineering</i> , 2013, 53, 42-48.	6.0	12
122	Copper catalysts prepared via microwave-heated polyol process for preferential oxidation of CO in H ₂ -rich streams. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 100-108.	7.1	12
123	Effects of membrane compositions and operating conditions on the filtration and backwashing performance of the activated carbon polymer composite membranes. <i>Desalination</i> , 2014, 352, 181-189.	8.2	12
124	A carbon gutter layer-modified Al ₂ O ₃ substrate for PPO membrane fabrication and CO ₂ separation. <i>Journal of Membrane Science</i> , 2014, 454, 51-61.	8.2	12
125	The influence of matrix structure and thermal annealing-hydrophobic layer on the performance and durability of carbon molecular sieving membrane during physical aging. <i>Journal of Membrane Science</i> , 2015, 495, 294-304.	8.2	12
126	Development of physicochemically stable Z-scheme MIL-88A/g-C ₃ N ₄ heterojunction photocatalyst with excellent charge transfer for improving acid red 1 dye decomposition efficiency. <i>Applied Surface Science</i> , 2022, 590, 152954.	6.1	12

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127	Effects of particulates, heavy metals and acid gas on the removals of NO and PAHs by V ₂ O ₅ -WO ₃ catalysts in waste incineration system. <i>Journal of Hazardous Materials</i> , 2009, 170, 239-246.	12.4	11
128	Gaseous organic emissions during air gasification of woody waste: effect of bed agglomeration/defluidization. <i>Fuel Processing Technology</i> , 2014, 128, 104-110.	7.2	11
129	Excellent dispersion and charge separation of SrTiO ₃ -TiO ₂ nanotube derived from a two-step hydrothermal process for facilitating hydrogen evolution under sunlight irradiation. <i>Solar Energy</i> , 2018, 159, 751-759.	6.1	11
130	Catalytic Methane Decomposition to Hydrogen over a Surface-Protected Core-Shell Ni@SiO ₂ Catalyst. <i>Chemical Engineering and Technology</i> , 2018, 41, 1448-1456.	1.5	11
131	Recycling waste plastics as hollow fiber substrates to improve the anti-wettability of supported ionic liquid membranes for CO ₂ separation. <i>Journal of Cleaner Production</i> , 2020, 276, 124194.	9.3	11
132	Influence of Operating Conditions on the Formation of Heavy Metal Compounds During Incineration. <i>Journal of the Air and Waste Management Association</i> , 1999, 49, 444-453.	1.9	10
133	The Utilization of Catalyst Sorbent in Scrubbing Acid Gases from Incineration Flue Gas. <i>Journal of the Air and Waste Management Association</i> , 2002, 52, 449-458.	1.9	10
134	Relationship between pressure fluctuations and generation of organic pollutants with different particle size distributions in a fluidized bed incinerator. <i>Chemosphere</i> , 2004, 56, 911-922.	8.2	10
135	Sustainable hydrogen production from electroplating wastewater over a solar light responsive photocatalyst. <i>RSC Advances</i> , 2016, 6, 71273-71281.	3.6	10
136	Effect of copolymer microphase-separated structures on the gas separation performance and aging properties of SBC-derived membranes. <i>Journal of Membrane Science</i> , 2017, 529, 63-71.	8.2	10
137	Fabrication of waterproof gas separation membrane from plastic waste for CO ₂ separation. <i>Environmental Research</i> , 2021, 195, 110760.	7.5	10
138	High loading and high-selectivity H ₂ purification using SBC@ZIF based thin film composite hollow fiber membranes. <i>Journal of Membrane Science</i> , 2021, 626, 119191.	8.2	10
139	Simulation of agglomeration/defluidization inhibition process in aluminum-sodium system by experimental and thermodynamic approaches. <i>Powder Technology</i> , 2012, 224, 395-403.	4.2	9
140	Influence of thermal treatment atmosphere on photogenerated charge separation of Pt/N-TiO ₂ /SrTiO ₃ for efficient hydrogen evolution. <i>Journal of Materials Science</i> , 2015, 50, 5873-5885.	3.7	9
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