

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	Photo-induced poly(styrene-[C1mim][Tf2N])-supported hollow fiber ionic liquid membranes to enhance CO ₂ separation. <i>Journal of CO₂ Utilization</i> , 2022, 56, 101871.	6.8	3
2	Excellent dispersion of solar light responsive photocatalyst in the different polymer films for easy recycling and sustainable hydrogen production. <i>Solar Energy</i> , 2022, 231, 949-957.	6.1	9
3	Carbon membrane for the application in gas separation: recent development and prospects. , 2022, , 177-214.		0
4	Effect of heat diffusivity for driving chain stitching of dual-type hybrid organosilica-derived membranes. <i>Separation and Purification Technology</i> , 2022, 290, 120848.	7.9	5
5	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
6	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
7	Positive effects of a halloysite-supported Cu/Co catalyst fabricated by a urea-driven deposition precipitation method on the CO-SCR reaction and SO ₂ poisoning. <i>Catalysis Science and Technology</i> , 2021, 11, 3456-3465.	4.1	9
8	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
9	Impacts of Green Synthesis Process on Asymmetric Hybrid PDMS Membrane for Efficient CO ₂ /N ₂ Separation. <i>Membranes</i> , 2021, 11, 59.	3.0	9
10	Highly abrasion and coking-resistance core-shell catalyst for hydrogen-rich syngas production from waste plastics in a two-staged fluidized bed reactor. <i>Applied Catalysis A: General</i> , 2021, 612, 117989.	4.3	9
11	Effect of polystyrene characteristic on photocatalytic hydrogen production by porous polystyrene photocatalyst film under simulated solar light irradiation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 11597-11606.	7.1	5
12	Fabrication of waterproof gas separation membrane from plastic waste for CO ₂ separation. <i>Environmental Research</i> , 2021, 195, 110760.	7.5	10
13	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
14	In situ phase transformation of polytypic zinc-blende/wurtzite copper indium sulfide via a facile polyol method to boost visible-light photocatalytic performance. <i>Chemosphere</i> , 2021, 277, 130348.	8.2	6
15	Synthesis of Ni@Al ₂ O ₃ nanocomposite with superior activity and stability for hydrogen production from plastic-derived syngas by CO ₂ -sorption-enhanced reforming. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 39728-39735.	7.1	7
16	Dual immobilization of Pd Cu nanoparticles on halloysite nanotubes by CTAB and PVP for automobile exhaust elimination. <i>Applied Clay Science</i> , 2021, 214, 106299.	5.2	7
17	Highly Permeable Mixed Matrix Hollow Fiber Membrane as a Latent Route for Hydrogen Purification from Hydrocarbons/Carbon Dioxide. <i>Membranes</i> , 2021, 11, 865.	3.0	4
18	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

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19	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
20	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
21	The Viable Fabrication of Gas Separation Membrane Used by Reclaimed Rubber from Waste Tires. <i>Polymers</i> , 2020, 12, 2540.	4.5	8
22	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
23	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
24	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
25	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
26	Uniformity control and ultra-micropore development of tubular carbon membrane for light gas separation. <i>AIChE Journal</i> , 2020, 66, e16226.	3.6	6
27	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
28	PVA/Pt/N-TiO ₂ /SrTiO ₃ porous films with adjustable pore size for hydrogen production under simulated sunlight. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 158-164.	9.4	7
29	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
30	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
31	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
32	Tuning thermal expansion behavior and surface roughness of tubular Al ₂ O ₃ substrates for fabricating high-performance carbon molecular sieving membranes for H ₂ separation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24746-24758.	7.1	8
33	Acceleration of acid red 1 dye decolorization efficiency by adding methanol with simultaneous hydrogen production. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 8355-8362.	3.5	3
34	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
35	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
36	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

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37	Effect of Preparation Solvent and Calcination Atmosphere on Ni@SiO ₂ Catalyst for Simultaneous Production of Hydrogen and Carbon Nanotubes from Simulated Plastic Waste Syngas. <i>Energy Technology</i> , 2019, 7, 1800586.	3.8	8
38	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
39	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
40	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
41	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
42	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
43	Enrichment of Hydrogen Production from Biomass-Gasification-Derived Syngas over Spinel-Type Aluminate-Supported Nickel Catalysts. <i>Energy Technology</i> , 2018, 6, 318-325.	3.8	9
44	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
45	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
46	Photocatalytic conversion of ethylenediaminetetraacetic acid dissolved in real electroplating wastewater to hydrogen in a solar light-responsive system. <i>Water Science and Technology</i> , 2018, 77, 2851-2857.	2.5	4
47	Green Route for Hydrogen Evolution from Real Electroplating Waste Liquids Induced by a Solar Light Responsive Photocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2146-2153.	6.7	7
48	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
49	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
50	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
51	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
52	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
53	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
54	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

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55	A novel technique using reclaimed tire rubber for gas separation membranes. <i>Journal of Membrane Science</i> , 2016, 520, 314-325.	8.2	24
56	Sustainable hydrogen production from electroplating wastewater over a solar light responsive photocatalyst. <i>RSC Advances</i> , 2016, 6, 71273-71281.	3.6	10
57	Effect of co-contaminated soil mixtures as fixed/fluidized bed media on pollutants emission under thermal treatment. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 519-528.	3.5	9
58	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
59	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
60	Characterization and photoactivity of Pt/N-doped TiO ₂ synthesized through a sol-gel process at room temperature. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	6
61	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
62	Determination of the Pb, Cr, and Cd distribution patterns with various chlorine additives in the bottom ashes of a low-temperature two-stage fluidized bed incinerator by chemical sequential extraction. <i>Journal of Hazardous Materials</i> , 2015, 295, 86-96.	12.4	5
63	Determination of Emission Characteristics during Thermal Treatment of Lube Oil and Heavy Metal Co-Contaminated Soil by Fluidized Bed Combustion. <i>Journal of Environmental Engineering, ASCE</i> , 2015, 141, .	1.4	5
64	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
65	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
66	Cadmium Stabilization Efficiency and Leachability by CdAl ₄ O ₇ Monoclinic Structure. <i>Environmental Science & Technology</i> , 2015, 49, 14452-14459.	10.0	37
67	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
68	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
69	Study of the low-temperature two-stage fluidized bed incineration: Influence of the second-stage sand bed operating conditions on pollutant emission. <i>Applied Thermal Engineering</i> , 2015, 75, 592-599.	6.0	9
70	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
71	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
72	A carbon gutter layer-modified γ -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

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73	Characterization of N-doped TiO ₂ nanoparticles supported on SrTiO ₃ via a sol-gel process. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	8
74	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
75	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
76	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
77	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
78	Removal of NO and fly ash over a carbon supported catalyst: Effects of fly ash concentration and operating time. <i>Powder Technology</i> , 2013, 239, 239-247.	4.2	7
79	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
80	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
81	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
82	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
83	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
84	Design of a Pt/TiO ₂ -xN _x /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
85	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
86	Evaluating the Relationships between Pb Species and Leaching Properties in Simulated MSWI Fly Ash with Thermal Treatment by ESCA. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 632-636.	1.4	2
87	Copper emission during thermal treatment of simulated copper sludge. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 17-25.	2.2	3
88	The influences of microwave irradiation and polyol precursor pH on Cu/AC catalyst and its CO oxidation performance. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	3
89	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
90	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

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91	Catalytic upgrading of syngas from fluidized bed air gasification of sawdust. <i>Bioresource Technology</i> , 2012, 110, 670-675.	9.6	34
92	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
93	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
94	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
95	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
96	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
97	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
98	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
99	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
100	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
101	Effects of microwave power and polyvinyl pyrrolidone on microwave polyol process of carbon-supported Cu catalysts for CO oxidation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 745-749.	3.5	8
102	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
103	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
104	Effects of crosslinking modification on the O ₂ /N ₂ separation characteristics of poly(phenyl sulfone)/poly(bisphenol A-co-4-nitrophthalic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (anhydride-co-116, 1254-1263.	2.8	3
105	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
106	Study of SBA-15 supported catalysts for toluene and NO removal: the effect of promoters (Co, Ni, Mn,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	1.7	12
107	Effect of Cu species on leaching behavior of simulated copper sludge after thermal treatment: ESCA analysis. <i>Journal of Hazardous Materials</i> , 2010, 179, 1106-1110.	12.4	3
108	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

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109	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
110	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
111	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
112	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
113	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
114	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
115	Estimating the feasibility of raw carbon nanotubes used as catalyst for CO oxidation. , 2010, , .		0
116	Enhanced O ₂ and N ₂ separation performance of poly(phenylene Tj ETQq0 0 0 rgBT /Overlock 10 2 2010, , .		2
117	An effective method for controlling the nanoparticle size of anatase TiO ₂ . , 2010, , .		0
118	Filtration of nanoparticles by a fluidized-bed adsorption reactor during toluene adsorption. , 2010, , .		0
119	Removal the Coal Ash, NO, and SO ₂ Simultaneously by the Fluidized-Bed Catalyst Reactor. <i>Energy & Fuels</i> , 2010, 24, 1711-1719.	5.1	6
120	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
121	Effect of operating conditions on emission concentration of PAHs during fluidized bed air gasification of biomass. , 2010, , .		2
122	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
123	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
124	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
125	Improving the Activity of Rh/Al ₂ O ₃ Catalyst for NO Reduction by Na Addition in the Presences of H ₂ O and O ₂ . <i>Catalysis Letters</i> , 2009, 130, 517-524.	2.6	2
126	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

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127	The activity of Rh/Al ₂ O ₃ and Rh-Na/Al ₂ O ₃ catalysts for PAHs removal in the waste incineration processes: Effects of particulates, heavy metals, and acid gases. <i>Fuel</i> , 2009, 88, 1563-1571.	6.4	7
128	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
129	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
130	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
131	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
132	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
133	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
134	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
135	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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