

Jeffrey C S Wu

List of Publications by Year in Descending Order

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

136 papers	8,435 citations	53 h-index	89 g-index
142 ext. papers	9,402 ext. citations	7.7 avg, IF	6.42 L-index

#	Paper	IF	Citations
136	Enhanced methanol production by two-stage reaction of CO ₂ hydrogenation at atmospheric pressure. <i>Catalysis Communications</i> , 2022 , 162, 106373	3.2	
135	Exploration of photocatalytic seawater splitting on Pt/GaP-C ₃ N ₄ under simulated sunlight. <i>Applied Surface Science</i> , 2022 , 572, 151346	6.7	2
134	Visible-Light Photocatalyst to Remove Indoor Ozone under Ambient Condition. <i>Catalysts</i> , 2021 , 11, 383	4	
133	Solar hydrogen production from seawater splitting using mixed-valence titanium phosphite photocatalyst. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104826	6.8	4
132	Global challenges in microplastics: From fundamental understanding to advanced degradations toward sustainable strategies. <i>Chemosphere</i> , 2021 , 267, 129275	8.4	12
131	Photo-Fenton enhanced twin-reactor for simultaneously hydrogen separation and organic wastewater degradation. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119517	21.8	8
130	Z-scheme photocatalyst Pt/GaP-TiO ₂ -SiO ₂ :Rh for the separated H ₂ evolution from photocatalytic seawater splitting. <i>Applied Catalysis B: Environmental</i> , 2021 , 296, 120339	21.8	6
129	Direct and indirect Z-scheme heterostructure-coupled photosystem enabling cooperation of CO reduction and HO oxidation. <i>Nature Communications</i> , 2020 , 11, 3043	17.4	93
128	Ethanol conversion to selective high-value hydrocarbons over Ni/HZSM-5 zeolite catalyst. <i>Catalysis Communications</i> , 2020 , 144, 106067	3.2	4
127	Recent advances in the development of photocatalytic NO _x abatement		3
126	Review of Experimental Setups for Plasmonic Photocatalytic Reactions. <i>Catalysts</i> , 2020 , 10, 46	4	15
125	Photocatalytic water splitting using hygroscopic MgO modified TiO ₂ /WO ₃ dual-layer photocatalysts. <i>Korean Journal of Chemical Engineering</i> , 2020 , 37, 1352-1359	2.8	5
124	Photocatalytic Degradation of Phenol and Methyl Orange with Titania-Based Photocatalysts Synthesized by Various Methods in Comparison with ZnO/graphene Oxide Composite. <i>Topics in Catalysis</i> , 2020 , 63, 1215-1226	2.3	2
123	Enhancement of biodiesel production via sequential esterification/transesterification over solid superacidic and superbasic catalysts. <i>Catalysis Today</i> , 2020 , 348, 257-269	5.3	5
122	A current perspective for photocatalysis towards the hydrogen production from biomass-derived organic substances and water. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 18144-18159	6.7	47
121	Photocatalytic reduction of CO ₂ using Pt/C ₃ N ₄ photocatalysts. <i>Applied Surface Science</i> , 2020 , 503, 144426	7	16
120	High Effective Composite RGO/TiO ₂ Photocatalysts to Degrade Isopropanol Pollutant in Semiconductor Industry. <i>Topics in Catalysis</i> , 2020 , 63, 1240-1250	2.3	3

119	Moderate-temperature catalytic incineration of cooking oil fumes using hydrophobic honeycomb supported Pt/CNT catalyst. <i>Journal of Hazardous Materials</i> , 2019 , 379, 120750	12.8	14
118	Synthesis of TiO ₂ on different substrates by chemical vapor deposition for photocatalytic reduction of Cr(VI) in water. <i>Journal of the Chinese Chemical Society</i> , 2019 , 66, 1713-1720	1.5	7
117	Defect engineering of metal-oxide interface for proximity of photooxidation and photoreduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10232-10237	11.5	47
116	MgxAl-LDHs layered double hydroxides catalysts for boosting catalytic synthesis of biodiesel and conversion of by-product into valuable glycerol carbonate. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 104, 219-226	5.3	11
115	Magnetic Field-Enhancing Photocatalytic Reaction in Micro Optofluidic Chip Reactor. <i>Nanoscale Research Letters</i> , 2019 , 14, 323	5	12
114	Enhanced CO ₂ photocatalytic reduction through simultaneously accelerated H ₂ evolution and CO ₂ hydrogenation in a twin photoreactor. <i>Journal of CO₂ Utilization</i> , 2018 , 24, 500-508	7.6	16
113	Copper and platinum doped titania for photocatalytic reduction of carbon dioxide. <i>Applied Surface Science</i> , 2018 , 430, 475-487	6.7	44
112	A dual-function photocatalytic system for simultaneous separating hydrogen from water splitting and photocatalytic degradation of phenol in a twin-reactor. <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 268-279	21.8	38
111	Recent developments in the design of photoreactors for solar energy conversion from water splitting and CO ₂ reduction. <i>Applied Catalysis A: General</i> , 2018 , 550, 122-141	5.1	68
110	Visible-Light Driven Overall Conversion of CO and HO to CH and O on 3D-SiC@2D-MoS Heterostructure. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14595-14598	16.4	246
109	Degradation and Mineralization of Carbamazepine Using an Electro-Fenton Reaction Catalyzed by Magnetite Nanoparticles Fixed on an Electrocatalytic Carbon Fiber Textile Cathode. <i>Environmental Science & Technology</i> , 2018 , 52, 12667-12674	10.3	71
108	Photocatalytic hydrogenation and reduction of CO ₂ over CuO/ TiO ₂ photocatalysts. <i>Applied Surface Science</i> , 2018 , 454, 313-318	6.7	56
107	Openmouthed SiC hollow-sphere with highly photocatalytic activity for reduction of CO ₂ with H ₂ O. <i>Applied Catalysis B: Environmental</i> , 2017 , 206, 158-167	21.8	60
106	CO ₂ photocatalytic reduction over Pt deposited TiO ₂ nanocrystals with coexposed {101} and {001} facets: Effect of deposition method and Pt precursors. <i>Catalysis Communications</i> , 2017 , 96, 1-5	3.2	48
105	Biodiesel production by pervaporation-assisted esterification and pre-esterification using graphene oxide/chitosan composite membranes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 79, 23-30	5.3	26
104	Visualizing reaction pathway for the photo-transformation of NO ₂ and N ₂ into NO over WO ₃ photocatalyst. <i>Research on Chemical Intermediates</i> , 2017 , 43, 7159-7169	2.8	4
103	Titania nanosheet photocatalysts with dominantly exposed (001) reactive facets for photocatalytic NO _x abatement. <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 391-400	21.8	47
102	Photocatalytic CO ₂ reduction over V and W codoped TiO ₂ catalyst in an internal-illuminated honeycomb photoreactor under simulated sunlight irradiation. <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 412-424	21.8	56

101	Advances in bioconversion of microalgae with high biomass and lipid productivity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 79, 37-42	5.3	8
100	A novel reaction mode using H ₂ produced from solid-liquid reaction to promote CO ₂ reduction through solid-gas reaction. <i>Catalysis Communications</i> , 2017 , 89, 4-8	3.2	8
99	Selective photocatalytic reduction of CO ₂ into CH ₄ over Pt-Cu ₂ O TiO ₂ nanocrystals: The interaction between Pt and Cu ₂ O cocatalysts. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 695-703	21.8	153
98	Reactor Design for CO ₂ Photo-Hydrogenation toward Solar Fuels under Ambient Temperature and Pressure. <i>Catalysts</i> , 2017 , 7, 63	4	13
97	Photocatalytic water splitting and hydrogenation of CO ₂ in a novel twin photoreactor with IO ₃ ⁻ /I ⁻ shuttle redox mediator. <i>Applied Catalysis A: General</i> , 2016 , 518, 158-166	5.1	20
96	Competitive reaction pathway for photo and thermal catalytic removal of NO with hydrocarbon in flue gas under elevated temperatures. <i>Catalysis Communications</i> , 2016 , 84, 40-43	3.2	7
95	NO _x abatement from stationary emission sources by photo-assisted SCR: Lab-scale to pilot-scale studies. <i>Applied Catalysis A: General</i> , 2016 , 523, 294-303	5.1	18
94	Synthesis, characterization and enhanced photocatalytic CO ₂ reduction activity of graphene supported TiO ₂ nanocrystals with coexposed {001} and {101} facets. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 13186-95	3.6	72
93	Production of renewable fuels by the photohydrogenation of CO ₂ : effect of the Cu species loaded onto TiO ₂ photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 4942-51	3.6	57
92	An internal-illuminated monolith photoreactor towards efficient photocatalytic degradation of ppb-level isopropyl alcohol. <i>Chemical Engineering Journal</i> , 2016 , 296, 11-18	14.7	29
91	Photocatalytic reduction of CO ₂ using molybdenum-doped titanate nanotubes in a MEA solution. <i>RSC Advances</i> , 2015 , 5, 63142-63151	3.7	12
90	Photo-enhanced hydrogenation of CO ₂ to mimic photosynthesis by CO co-feed in a novel twin reactor. <i>Applied Energy</i> , 2015 , 147, 318-324	10.7	45
89	Synergetic photo-epoxidation of propylene over V Ti/MCM-41 mesoporous photocatalysts. <i>Journal of Catalysis</i> , 2015 , 331, 217-227	7.3	19
88	Preparation, characterization and photocatalytic performance of TiO ₂ prepared by using pressurized fluids in CO ₂ reduction and N ₂ O decomposition. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 76, 621-629	2.3	10
87	Monolayered Bi ₂ WO ₆ nanosheets mimicking heterojunction interface with open surfaces for photocatalysis. <i>Nature Communications</i> , 2015 , 6, 8340	17.4	430
86	Functionalized Fe ₃ O ₄ @silica core-shell nanoparticles as microalgae harvester and catalyst for biodiesel production. <i>ChemSusChem</i> , 2015 , 8, 789-94	8.3	83
85	In-situ FTIR spectroscopic study of the mechanism of photocatalytic reduction of NO with methane over Pt/TiO ₂ photocatalysts. <i>Research on Chemical Intermediates</i> , 2015 , 41, 2153-2164	2.8	14
84	Real-Time Raman Monitoring during Photocatalytic Epoxidation of Cyclohexene over V-Ti/MCM-41 Catalysts. <i>Catalysts</i> , 2015 , 5, 518-533	4	10

83	Influence of co-feeds additive on the photo-epoxidation of propylene over V ^{III} /MCM-41 photocatalyst. <i>Catalysis Today</i> , 2015 , 245, 186-191	5.3	8
82	Photocatalytic Reduction of CO ₂ Using Ti ^{IV} /MCM-41 Photocatalysts in Monoethanolamine Solution for Methane Production. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 11221-11227	3.9	32
81	Photocatalytic conversion of CO ₂ to hydrocarbons by light-harvesting complex assisted Rh-doped TiO ₂ photocatalyst. <i>Journal of CO₂ Utilization</i> , 2014 , 5, 33-40	7.6	46
80	Artificial sunlight and ultraviolet light induced photo-epoxidation of propylene over V-Ti/MCM-41 photocatalyst. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 566-76	3	16
79	A stirring packed-bed reactor to enhance the esterificationtransesterification in biodiesel production by lowering mass-transfer resistance. <i>Chemical Engineering Journal</i> , 2013 , 234, 9-15	14.7	26
78	Enhanced xylene removal by photocatalytic oxidation using fiber-illuminated honeycomb reactor at ppb level. <i>Journal of Hazardous Materials</i> , 2013 , 262, 717-25	12.8	44
77	An Alternative Route for the Preparation of Sulfated Zirconia Loaded on Alumina (SZA) for Biodiesel Production: An Optimization Study. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2013 , 35, 1296-1305	1.6	2
76	Removal of NO _x by photocatalytic processes. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2013 , 14, 29-52	16.4	239
75	A novel twin reactor for CO ₂ photoreduction to mimic artificial photosynthesis. <i>Applied Catalysis B: Environmental</i> , 2013 , 132-133, 445-451	21.8	70
74	Temperature effect on the photo-epoxidation of propylene over V ^{III} /MCM-41 photocatalyst. <i>Catalysis Communications</i> , 2013 , 33, 57-60	3.2	15
73	Synthesis, characterization and photo-epoxidation performance of Au-loaded photocatalysts. <i>Journal of Chemical Sciences</i> , 2013 , 125, 859-867	1.8	20
72	Visible-light-active photocatalytic thin film by RF sputtering for hydrogen generation. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013 , 8, 283-291	1.3	1
71	Improved Photocatalytic Activity of Shell-Isolated Plasmonic Photocatalyst ₂ /TiO ₂ by Promoted LSPR. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 26535-26542	3.8	87
70	Photocatalytic water splitting to produce hydrogen using multi-junction solar cell with different deposited thin films. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 107, 322-328	6.4	19
69	Theoretical Investigation of the Metal-Doped SrTiO ₃ Photocatalysts for Water Splitting. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7897-7903	3.8	110
68	Synthesis of mesoporous titania thin films (MTTFs) with two different structures as photocatalysts for generating hydrogen from water splitting. <i>Applied Energy</i> , 2012 , 100, 75-80	10.7	50
67	Water and temperature effects on photo-selective catalytic reduction of nitric oxide on Pd-loaded TiO ₂ photocatalyst. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 2133-41	2.6	8
66	Vitalizing fuel cells with vitamins: pyrolyzed vitamin B12 as a non-precious catalyst for enhanced oxygen reduction reaction of polymer electrolyte fuel cells. <i>Energy and Environmental Science</i> , 2012 , 5, 5305-5314	35.4	104

65	On the impact of Cu dispersion on CO ₂ photoreduction over Cu/TiO ₂ . <i>Catalysis Communications</i> , 2012 , 25, 78-82	3.2	91
64	Novel dual-layer photoelectrode prepared by RF magnetron sputtering for photocatalytic water splitting. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 11632-11639	6.7	22
63	Performance comparison of CO ₂ conversion in slurry and monolith photoreactors using Pd and Rh-TiO ₂ catalyst under ultraviolet irradiation. <i>Applied Catalysis B: Environmental</i> , 2012 , 126, 172-179	21.8	69
62	Direct gas-phase photocatalytic epoxidation of propylene with molecular oxygen by photocatalysts. <i>Chemical Engineering Journal</i> , 2012 , 179, 285-294	14.7	27
61	Hydrogen Production from Semiconductor-based Photocatalysis via Water Splitting. <i>Catalysts</i> , 2012 , 2, 490-516	4	288
60	PN junction mechanism on improved NiO/TiO ₂ photocatalyst. <i>Catalysis Communications</i> , 2011 , 12, 1307-1310	3.10	101
59	A novel membrane reactor for separating hydrogen and oxygen in photocatalytic water splitting. <i>Journal of Membrane Science</i> , 2011 , 382, 291-299	9.6	55
58	Photocatalytic NO reduction with C ₃ H ₈ using a monolith photoreactor. <i>Catalysis Today</i> , 2011 , 174, 141-147	14.7	29
57	Photocatalytic CO ₂ reduction using an internally illuminated monolith photoreactor. <i>Energy and Environmental Science</i> , 2011 , 4, 1487	35.4	117
56	Plasmonic Photocatalyst for H ₂ Evolution in Photocatalytic Water Splitting. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 210-216	3.8	220
55	Oxygen reducing activity of methanol-tolerant catalysts by high-temperature pyrolysis. <i>Diamond and Related Materials</i> , 2011 , 20, 322-329	3.5	16
54	A green catalyst for biodiesel production from jatropha oil: Optimization study. <i>Biomass and Bioenergy</i> , 2011 , 35, 1739-1746	5.3	62
53	Renewable Energy from the Photocatalytic Reduction of CO ₂ with H ₂ O. <i>Nanostructure Science and Technology</i> , 2010 , 673-696	0.9	2
52	Artificial photosynthesis over crystalline TiO ₂ -based catalysts: fact or fiction?. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8398-406	16.4	303
51	Photocatalytic reduction of NO pollutant using an optical-fibre photoreactor at room temperature. <i>Environmental Technology (United Kingdom)</i> , 2010 , 31, 1449-58	2.6	13
50	Biodiesel Synthesis by Simultaneous Esterification and Transesterification Using Oleophilic Acid Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 2118-2121	3.9	37
49	Platinum nanoparticles embedded in pyrolyzed nitrogen-containing cobalt complexes for high methanol-tolerant oxygen reduction activity. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7551		20
48	In situ DRIFTS study of photocatalytic CO ₂ reduction under UV irradiation. <i>Frontiers of Chemical Engineering in China</i> , 2010 , 4, 120-126		81

47	CO ₂ photoreduction using NiO/InTaO ₄ in optical-fiber reactor for renewable energy. <i>Applied Catalysis A: General</i> , 2010 , 380, 172-177	5.1	119
46	Novel twin reactor for separate evolution of hydrogen and oxygen in photocatalytic water splitting. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 1523-1529	6.7	75
45	Hydrogen generation from photocatalytic water splitting over TiO ₂ thin film prepared by electron beam-induced deposition. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 12005-12010	6.7	52
44	Continuous production of biodiesel in a packed-bed reactor using shell-core structural Ca(C ₃ H ₇ O ₃) ₂ /CaCO ₃ catalyst. <i>Chemical Engineering Journal</i> , 2010 , 158, 250-256	14.7	58
43	Plasmonic nanostructures for photo-catalytic reactors 2009 ,		1
42	Mesoporous TiO ₂ /SBA-15, and Cu/TiO ₂ /SBA-15 Composite Photocatalysts for Photoreduction of CO ₂ to Methanol. <i>Catalysis Letters</i> , 2009 , 131, 381-387	2.8	109
41	Photocatalytic Reduction of Greenhouse Gas CO ₂ to Fuel. <i>Catalysis Surveys From Asia</i> , 2009 , 13, 30-40	2.8	114
40	Bimetallic Rh/Ni/BN catalyst for methane reforming with CO ₂ . <i>Chemical Engineering Journal</i> , 2009 , 148, 539-545	14.7	84
39	Photocatalytic splitting of water on NiO/InTaO ₄ catalysts prepared by an innovative sol-gel method. <i>Applied Catalysis A: General</i> , 2009 , 357, 73-78	5.1	35
38	Photo selective catalytic reduction of nitric oxide with propane at room temperature. <i>Catalysis Communications</i> , 2009 , 10, 1534-1537	3.2	19
37	Photoreduction of CO ₂ over Ruthenium dye-sensitized TiO ₂ -based catalysts under concentrated natural sunlight. <i>Catalysis Communications</i> , 2008 , 9, 2073-2076	3.2	128
36	Sol-gel prepared InTaO ₄ and its photocatalytic characteristics. <i>Journal of Materials Research</i> , 2008 , 23, 1364-1370	2.5	38
35	Novel BN supported bi-metal catalyst for oxydehydrogenation of propane. <i>Chemical Engineering Journal</i> , 2008 , 140, 391-397	14.7	22
34	Photoreduction of CO ₂ to fuels under sunlight using optical-fiber reactor. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 864-872	6.4	87
33	Application of Optical-fiber Photoreactor for CO ₂ Photocatalytic Reduction. <i>Topics in Catalysis</i> , 2008 , 47, 131-136	2.3	80
32	Photoreduction of CO ₂ in an optical-fiber photoreactor: Effects of metals addition and catalyst carrier. <i>Applied Catalysis A: General</i> , 2008 , 335, 112-120	5.1	114
31	A transient study of double-jacketed membrane reactor via methanol steam reforming. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 7435-7443	6.7	6
30	Mathematical simulation of hydrogen production via methanol steam reforming using double-jacketed membrane reactor. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 4830-4839	6.7	23

29	In situ FTIR study of photocatalytic NO reaction on photocatalysts under UV irradiation. <i>Journal of Catalysis</i> , 2006 , 237, 393-404	7.3	199
28	Visible-light response Cr-doped TiO ₂ -Nx photocatalysts. <i>Materials Chemistry and Physics</i> , 2006 , 100, 102-107	4.4	95
27	Boron nitride supported PtFe catalysts for selective hydrogenation of crotonaldehyde. <i>Applied Catalysis A: General</i> , 2006 , 314, 233-239	5.1	23
26	Photo reduction of CO ₂ to methanol using optical-fiber photoreactor. <i>Applied Catalysis A: General</i> , 2005 , 296, 194-200	5.1	178
25	A novel BN supported bi-metal catalyst for selective hydrogenation of crotonaldehyde. <i>Applied Catalysis A: General</i> , 2005 , 289, 179-185	5.1	26
24	Boron nitride supported Pt catalyst for selective hydrogenation. <i>Catalysis Letters</i> , 2005 , 102, 223-227	2.8	15
23	Photo reduction of CO ₂ to methanol via TiO ₂ photocatalyst. <i>International Journal of Photoenergy</i> , 2005 , 7, 115-119	2.1	64
22	Effects of sol-gel procedures on the photocatalysis of Cu/TiO ₂ in CO ₂ photoreduction. <i>Journal of Catalysis</i> , 2004 , 221, 432-440	7.3	349
21	Chemical states of metal-loaded titania in the photoreduction of CO ₂ . <i>Catalysis Today</i> , 2004 , 97, 113-119	5.3	121
20	A visible-light response vanadium-doped titania nanocatalyst by sol-gel method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 163, 509-515	4.7	354
19	Catalysis for new energy resources and environmental protection. <i>Catalysis Today</i> , 2004 , 97, 93	5.3	6
18	Deep Oxidation of Methanol Using a Novel Pt/Boron Nitride Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 3225-3229	3.9	42
17	Photoreduction of CO ₂ using sol-gel derived titania and titania-supported copper catalysts. <i>Applied Catalysis B: Environmental</i> , 2002 , 37, 37-48	21.8	453
16	Characterization of Boron-Nitride-Supported Pt Catalysts for the Deep Oxidation of Benzene. <i>Journal of Catalysis</i> , 2002 , 210, 39-45	7.3	63
15	A novel boron nitride supported Pt catalyst for VOC incineration. <i>Applied Catalysis A: General</i> , 2001 , 219, 117-124	5.1	58
14	Synthesis of Titania-supported Copper Nanoparticles via Refined Alkoxide Sol-gel Process. <i>Journal of Nanoparticle Research</i> , 2001 , 3, 113-118	2.3	29
13	Sol-gel-derived photosensitive TiO ₂ and Cu/TiO ₂ using homogeneous hydrolysis technique. <i>Journal of Materials Research</i> , 2001 , 16, 615-620	2.5	22
12	Feasibility of CO ₂ Fixation via Artificial Rock Weathering. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 3902-3905	3.9	53

11	An improved synthesis of ultrafiltration zirconia membranes via the sol-gel route using alkoxide precursor. <i>Journal of Membrane Science</i> , 2000 , 167, 253-261	9.6	55
10	Low-temperature complete oxidation of BTX on Pt/activated carbon catalysts. <i>Catalysis Today</i> , 2000 , 63, 419-426	5.3	113
9	Removal of tar base from coal tar aromatics employing solid acid adsorbents. <i>Separation and Purification Technology</i> , 2000 , 21, 145-153	8.3	9
8	Ultrafiltration of soybean oil/hexane extract by porous ceramic membranes. <i>Journal of Membrane Science</i> , 1999 , 154, 251-259	9.6	50
7	Separation of oil from oily sludge by freezing and thawing. <i>Water Research</i> , 1999 , 33, 1756-1759	12.5	57
6	Feasibility of Manufacturing Hydrogen and Styrene through the Use of Porous Ceramic Membranes. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 4491-4495	3.9	6
5	VOC deep oxidation over Pt catalysts using hydrophobic supports. <i>Catalysis Today</i> , 1998 , 44, 111-118	5.3	105
4	Characterization of hydrogen-permselective microporous ceramic membranes. <i>Journal of Membrane Science</i> , 1994 , 96, 275-287	9.6	84
3	The Effect of Dealumination on Zeolite-Supported Ru Catalysts. <i>Journal of Catalysis</i> , 1993 , 142, 531-539	7.3	3
2	High-temperature separation of binary gas mixtures using microporous ceramic membranes. <i>Journal of Membrane Science</i> , 1993 , 77, 85-98	9.6	33
1	Mathematical analysis on catalytic dehydrogenation of ethylbenzene using ceramic membranes. <i>Industrial & Engineering Chemistry Research</i> , 1992 , 31, 322-327	3.9	51