Michael S Wong

List of Publications by Year
in descending order

157 papers	11,676 citations	23567 58 h-index	28297 105 g-index
163 all docs	163 docs citations	163 times ranked	13600 citing authors

#	Article	IF	Citations
1	Synthesis and Applications of Supramolecular-Templated Mesoporous Materials. Angewandte Chemie - International Edition, 1999, 38, 56-77.	13.8	1,941
2	Electrochemical ammonia synthesis via nitrate reduction on Fe single atom catalyst. Nature Communications, 2021, 12, 2870.	12.8	605
3	Designing Pd-on-Au Bimetallic Nanoparticle Catalysts for Trichloroethene Hydrodechlorination. Environmental Science & Technology, 2005, 39, 1346-1353.	10.0	363
4	Polymerâ€¢coated nanoparticles for enhanced oil recovery. Journal of Applied Polymer Science, 2014, 131, .	2.6	297
5	Assembly of Nanoparticles into Hollow Spheres Using Block Copolypeptides. Nano Letters, 2002, 2, 583-587.	9.1	293
6	Self-Assembly Synthesis, Tumor Cell Targeting, and Photothermal Capabilities of Antibody-Coated Indocyanine Green Nanocapsules. Journal of the American Chemical Society, 2010, 132, 1929-1938.	13.7	285
7	Improved Pd-on-Au bimetallic nanoparticle catalysts for aqueous-phase trichloroethene hydrodechlorination. Applied Catalysis B: Environmental, 2006, 69, 115-125.	20.2	258
8	Breakdown of the Continuum Stokesâ€'Einstein Relation for Nanoparticle Diffusion. Nano Letters, 2007, 7, 1276-1281.	9.1	238
9	New insights into the nature of the acidic catalytic active sites present in ZrO2-supported tungsten oxide catalysts. Journal of Catalysis, 2008, 256, 108-125.	6.2	200
10	Insights into Nitrate Reduction over Indium-Decorated Palladium Nanoparticle Catalysts. ACS Catalysis, 2018, 8, 503-515.	11.2	188
11	Observing Metal-Catalyzed Chemical Reactions in Situ Using Surface-Enhanced Raman Spectroscopy on Pdâ€'Au Nanoshells. Journal of the American Chemical Society, 2008, 130, 16592-16600.	13.7	185
12	Amphiphilic Templating of Mesostructured Zirconium Oxide. Chemistry of Materials, 1998, 10, 2067-2077.	6.7	177
13	Towards an in vivo biologically inspired nanofactory. Nature Nanotechnology, 2007, 2, 3-7.	31.5	172
14	Design of a Pdâ€“Au Nitrite Reduction Catalyst by Identifying and Optimizing Active Ensembles. ACS Catalysis, 2019, 9, 7957-7966.	11.2	160
15	Identification of active Zrâ€“WOx clusters on a ZrO2 support for solid acid catalysts. Nature Chemistry, 2009, 1, 722-728.	13.6	150
16	Nanoparticle Self-Assembly of Hierarchically Ordered Microcapsule Structures. Advanced Materials, 2005, 17, 1145-1150.	21.0	141
17	Structural and Reactivity Properties of Nbî—¸MCM-41: Comparison with That of Highly Dispersed Nb2O5/SiO2 Catalysts. Journal of Catalysis, 2001, 203, 18-24.	6.2	135
18	Spontaneous Formation of Nanoparticle Vesicles from Homopolymer Polyelectrolytes. Journal of the American Chemical Society, 2003, 125, 8285-8289.	13.7	131

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19	Highly Defective UiO-66 Materials for the Adsorptive Removal of Perfluorooctanesulfonate. ACS Sustainable Chemistry and Engineering, 2019, 7, 6619-6628.	6.7	130
20	Cleaner water using bimetallic nanoparticle catalysts. Journal of Chemical Technology and Biotechnology, 2009, 84, 158-166.	3.2	127
21	Gold-coated porous silicon films as anodes for lithium ion batteries. Journal of Power Sources, 2012, 205, 426-432.	7.8	123
22	Destroying Gadofullerene Aggregates by Salt Addition in Aqueous Solution of Gd@C60(OH)xand Gd@C60[C(COOH2)]10. Journal of the American Chemical Society, 2005, 127, 9368-9369.	13.7	119
23	Synthesis of Near-Infrared-Absorbing Nanoparticle-Assembled Capsules. Chemistry of Materials, 2007, 19, 1277-1284.	6.7	119
24	Low risk posed by engineered and incidental nanoparticles in drinking water. Nature Nanotechnology, 2018, 13, 661-669.	31.5	118
25	Charge-Driven Flocculation of Poly(l-lysine)Gold Nanoparticle Assemblies Leading to Hollow Microspheres. Journal of the American Chemical Society, 2004, 126, 5292-5299.	13.7	117
26	Self-Assembled Multilayers of Nanocomponents. Nano Letters, 2007, 7, 484-489.	9.1	111
27	Catalytic Converters for Water Treatment. Accounts of Chemical Research, 2019, 52, 906-915.	15.6	111
28	Freestanding Macroporous Silicon and Pyrolyzed Polyacrylonitrile As a Composite Anode for Lithium Ion Batteries. Chemistry of Materials, 2012, 24, 2998-3003.	6.7	110
29	Synergistic Goldâ€“Bismuth Catalysis for Non-Mercury Hydrochlorination of Acetylene to Vinyl Chloride Monomer. ACS Catalysis, 2014, 4, 3112-3116.	11.2	109
30	Disparities between experimental and environmental conditions: Research steps toward making electrochemical water treatment a reality. Current Opinion in Electrochemistry, 2020, 22, 9-16.	4.8	108
31	Inexpensive method for producing macroporous silicon particulates (MPSPs) with pyrolyzed polyacrylonitrile for lithium ion batteries. Scientific Reports, 2012, 2, 795.	3.3	97
32	Shape-Controlled Synthesis of CdSe Tetrapods Using Cationic Surfactant Ligands. Small, 2007, 3, 1164-1169.	10.0	96
33	Biodistribution of Encapsulated Indocyanine Green in Healthy Mice. Molecular Pharmaceutics, 2009, 6, 1321-1332.	4.6	96
34	Relating n-Pentane Isomerization Activity to the Tungsten Surface Density of WO_x/ZrO₂. Journal of the American Chemical Society, 2010, 132, 13462-13471.	13.7	94
35	Deactivation resistance of Pd/Au nanoparticle catalysts for water-phase hydrodechlorination. Journal of Catalysis, 2009, 267, 97-104.	6.2	93
36	The use of heat transfer fluids in the synthesis of high-quality CdSe quantum dots, core/shell quantum dots, and quantum rods. Nanotechnology, 2005, 16, 2000-2011.	2.6	91

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37	Efficient Photocatalytic PFOA Degradation over Boron Nitride. Environmental Science and Technology Letters, 2020, 7, 613-619.	8.7	89
38	Manganese(II) Oxide Nanohexapods:â€‰ Insight into Controlling the Form of Nanocrystals. Chemistry of Materials, 2006, 18, 1821-1829.	6.7	88
39	In Situ Electrochemical Generation of Reactive Chlorine Species for Efficient Ultrafiltration Membrane Self-Cleaning. Environmental Science & Technology, 2020, 54, 6997-7007.	10.0	84
40	Mechanistic Insights into pH-Controlled Nitrite Reduction to Ammonia and Hydrazine over Rhodium. ACS Catalysis, 2020, 10, 494-509.	11.2	81
41	Nature of Catalytically Active Sites in the Supported WO₃/ZrO₂ Solid Acid System: A Current Perspective. ACS Catalysis, 2017, 7, 2181-2198.	11.2	77
42	Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater â€“ a perspective. Environmental Science: Nano, 2020, 7, 2178-2194.	4.3	74
43	Light-Triggered Biocatalysis Using Thermophilic Enzymeâ€“Gold Nanoparticle Complexes. ACS Nano, 2013, 7, 654-663.	14.6	73
44	Engineered nanoparticles for hydrocarbon detection in oil-field rocks. Energy and Environmental Science, 2011, 4, 505-509.	30.8	72
45	A nanocomplex that is both tumor cell-selective and cancer gene-specific for anaplastic large cell lymphoma. Journal of Nanobiotechnology, 2011, 9, 2.	9.1	72
46	Influence of stripper operating parameters on the performance of amine absorption systems for post-combustion carbon capture: Part I. High pressure strippers. International Journal of Greenhouse Gas Control, 2013, 16, 342-350.	4.6	72
47	Polyamineâ€“salt aggregate assembly of capsules as responsive drug delivery vehicles. Journal of Materials Chemistry, 2011, 21, 9454.	6.7	71
48	Fit-for-purpose treatment goals for produced waters in shale oil and gas fields. Water Research, 2020, 173, 115467.	11.3	71
49	Nanoparticle-Assembled Capsule Synthesis:Â Formation of Colloidal Polyamineâ^'Salt Intermediates. Journal of Physical Chemistry B, 2006, 110, 25619-25627.	2.6	70
50	Supramolecular-Templated Synthesis of Nanoporous Zirconiaâ^'Silica Catalysts. Chemistry of Materials, 2002, 14, 1961-1973.	6.7	68
51	Synthesis and characterization of phosphated mesoporous zirconium oxide. Scripta Materialia, 1997, 9, 165-168.	0.5	67
52	Supramolecular Templating of Thermally Stable Crystalline Mesoporous Metal Oxides Using Nanoparticulate Precursors. Nano Letters, 2001, 1, 637-642.	9.1	65
53	Microcavity Lasing from Block Peptide Hierarchically Assembled Quantum Dot Spherical Resonators. Nano Letters, 2003, 3, 907-911.	9.1	65
54	In situremediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. Environmental Science: Nano, 2019, 6, 1283-1302.	4.3	65

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55	Surface modification of carbon black nanoparticles by dodecylamine: Thermal stability and phase transfer in brine medium. Carbon, 2014, 72, 287-295.	10.3	64
56	Volcano-shape glycerol oxidation activity of palladium-decorated gold nanoparticles. Chemical Science, 2014, 5, 3715-3728.	7.4	64
57	Hydrodechlorination catalysis of Pd-on-Au nanoparticles varies with particle size. Journal of Catalysis, 2013, 298, 206-217.	6.2	60
58	Structural analysis of palladium-decorated gold nanoparticles as colloidal bimetallic catalysts. Catalysis Today, 2011, 160, 96-102.	4.4	57
59	Treating Water by Degrading Oxyanions Using Metallic Nanostructures. ACS Sustainable Chemistry and Engineering, 2018, 6, 11160-11175.	6.7	56
60	Kinetics Analysis of Palladium/Gold Nanoparticles as Colloidal Hydrodechlorination Catalysts. ACS Catalysis, 2011, 1, 128-138.	11.2	55
61	Supporting palladium metal on gold nanoparticles improves its catalysis for nitrite reduction. Nanoscale, 2014, 6, 358-364.	5.6	55
62	Gold nanoparticles for cleaning contaminated water. Journal of Chemical Technology and Biotechnology, 2013, 88, 735-741.	3.2	54
63	Improved polymer thin-film wetting behavior through nanoparticle segregation to interfaces. Journal of Physics Condensed Matter, 2007, 19, 356003.	1.8	51
64	Solvothermal Synthesis of Ultrasmall Tungsten Oxide Nanoparticles. Langmuir, 2012, 28, 17771-17777.	3.5	51
65	Memory Seeds Enable High Structural Phase Purity in 2D Perovskite Films for Highâ€Efficiency Devices. Advanced Materials, 2021, 33, e2007176.	21.0	50
66	Laserâ€Induced Heating of Dextranâ€Coated Mesocapsules Containing Indocyanine Green. Biotechnology Progress, 2007, 23, 1431-1440.	2.6	49
67	Tuning the Electronic and Molecular Structures of Catalytic Active Sites with Titania Nanoligands. Journal of the American Chemical Society, 2009, 131, 680-687.	13.7	48
68	Stability assessment of indocyanine green within dextran-coated mesocapsules by absorbance spectroscopy. Journal of Biomedical Optics, 2007, 12, 064031.	2.6	47
69	Synthesis of nanoparticle-assembled tin oxide/polymer microcapsules. Chemical Communications, 2006, , 1097.	4.1	44
70	Nanoscale Aggregation Properties of Neuroprotective Carboxyfullerene (C3) in Aqueous Solution. Nano Letters, 2004, 4, 1759-1762.	9.1	42
71	Highly stable carbon nanoparticles designed for downhole hydrocarbon detection. Energy and Environmental Science, 2012, 5, 8304.	30.8	42
72	Establishing the trichloroethene dechlorination rates of palladium-based catalysts and iron-based reductants. Applied Catalysis B: Environmental, 2012, 125, 95-102.	20.2	40

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73	Using Catalytic and Surface-Enhanced Raman Spectroscopy-Active Gold Nanoshells to Understand the Role of Basicity in Glycerol Oxidation. ACS Catalysis, 2013, 3, 2430-2435.	11.2	40
74	In-vivo fluorescence imaging of mammalian organs using charge-assembled mesocapsule constructs containing indocyanine green. Optics Express, 2008, 16, 20577.	3.4	39
75	Nanoassembled Capsules as Delivery Vehicles for Large Payloads of High Relaxivity Gd3+ Agents. Journal of the American Chemical Society, 2009, 131, 15918-15923.	13.7	39
76	Magnetic nanoparticle recovery device (MagNERD) enables application of iron oxide nanoparticles for water treatment. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	39
77	Monitoring, assessment, and prediction of microbial shifts in coupled catalysis and biodegradation of 1,4-dioxane and co-contaminants. Water Research, 2020, 173, 115540.	11.3	37
78	Discerning the Relevance of Superoxide in PFOA Degradation. Environmental Science and Technology Letters, 2020, 7, 653-658.	8.7	36
79	Shell Thickness Control of Nanoparticle/Polymer Assembled Microcapsules. Chemistry of Materials, 2011, 23, 301-308.	6.7	35
80	Degrading perchloroethene at ambient conditions using Pd and Pd-on-Au reduction catalysts. Applied Catalysis B: Environmental, 2013, 140-141, 468-477.	20.2	35
81	Superparamagnetic MOF@GO Ni and Co based hybrid nanocomposites as efficient water pollutant adsorbents. Science of the Total Environment, 2020, 738, 139213.	8.0	35
82	Titanium oxide improves boron nitride photocatalytic degradation of perfluorooctanoic acid. Chemical Engineering Journal, 2022, 448, 137735.	12.7	35
83	Autofluorescence characterization for the early diagnosis of neoplastic changes in DMBA/TPA-induced mouse skin carcinogenesis. Lasers in Surgery and Medicine, 2005, 37, 382-395.	2.1	33
84	Transport Study of Nanoparticles for Oilfield Application. , 2010, , .		30
85	CdSe tetrapod synthesis using cetyltrimethylammonium bromide and heat transfer fluids. Journal of Materials Chemistry, 2010, 20, 2474.	6.7	30
86	Chloroform hydrodechlorination behavior of aluminaâ€supported Pd and PdAu catalysts. AICHE Journal, 2013, 59, 4474-4482.	3.6	30
87	Altering protein surface charge with chemical modification modulates proteinâ€“gold nanoparticle aggregation. Journal of Nanoparticle Research, 2011, 13, 625-636.	1.9	29
88	Ring-locking enables selective anhydrosugar synthesis from carbohydrate pyrolysis. Green Chemistry, 2016, 18, 5438-5447.	9.0	29
89	Gold boosts nitrate reduction and deactivation resistance to indium-promoted palladium catalysts. Applied Catalysis B: Environmental, 2022, 305, 121048.	20.2	29
90	Water-Soluble Nanodiamond. Langmuir, 2012, 28, 5243-5248.	3.5	27

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91	Understanding the Solvent Polarity Effects on Surfactant-Capped Nanoparticles. Journal of Physical Chemistry B, 2012, 116, 13063-13070.	2.6	26
92	Carbon-Based Nanoreporters Designed for Subsurface Hydrogen Sulfide Detection. ACS Applied Materials & Interfaces, 2014, 6, 7652-7658.	8.0	26
93	Adsorption and Reductive Defluorination of Perfluorooctanoic Acid over Palladium Nanoparticles. Environmental Science & Technology, 2021, 55, 14836-14843.	10.0	26
94	Indium-decorated Pd nanocubes degrade nitrate anions rapidly. Applied Catalysis B: Environmental, 2020, 276, 119048.	20.2	26
95	Synthesis of amorphous, microporous silica with adamantanamine as a templating agent. Chemical Communications, 2000, , 2057-2058.	4.1	24
96	Polyamine-Guided Synthesis of Anisotropic, Multicompartment Microparticles. ACS Applied Materials & Interfaces, 2009, 1, 590-596.	8.0	23
97	Salt- and temperature-stable quantum dot nanoparticles for porous media flow. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 443, 492-500.	4.7	23
98	Improving gold catalysis of nitroarene reduction with surface Pd. Catalysis Today, 2016, 264, 31-36.	4.4	23
99	Experimental and modeling analysis of diffusive release from singleâ€shell microcapsules. AICHE Journal, 2009, 55, 2950-2965.	3.6	22
100	Controlled Growth of Sub-10 nm Gold Nanoparticles Using Carbon Monoxide Reductant. Journal of Physical Chemistry C, 2010, 114, 21226-21233.	3.1	20
101	Nano-structural effects on Hematite (Î±-Fe2O3) nanoparticle radiofrequency heating. Nano Convergence, 2021, 8, 8.	12.1	20
102	Bottom-up biofilm eradication using bacteriophage-loaded magnetic nanocomposites: a computational and experimental study. Environmental Science: Nano, 2019, 6, 3539-3550.	4.3	19
103	Facile Graphene Oxide Preparation by Microwave-Assisted Acid Method. Journal of the Brazilian Chemical Society, 2015, , .	0.6	18
104	Two distinctive energy migration pathways of monolayer molecules on metal nanoparticle surfaces. Nature Communications, 2016, 7, 10749.	12.8	18
105	Hydrogen-generating behavior of Pd-decorated gold nanoparticles via formic acid decomposition. Catalysis Today, 2019, 330, 24-31.	4.4	18
106	Self-Assembly and Nanotechnology: Real-Time, Hands-On, and Safe Experiments for K-12 Students. Journal of Chemical Education, 2011, 88, 609-614.	2.3	17
107	EXAFS Characterization of Palladium-on-Gold Catalysts Before and After Glycerol Oxidation. Topics in Catalysis, 2015, 58, 302-313.	2.8	17
108	Linker-free quantum dot sensitized TiO2 photoelectrochemical cells. International Journal of Hydrogen Energy, 2012, 37, 6422-6430.	7.1	16

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109	Influence of stripper operating parameters on the performance of amine absorption systems for post-combustion carbon capture: Part II. Vacuum strippers. International Journal of Greenhouse Gas Control, 2013, 16, 351-360.	4.6	16
110	Microencapsulated Photoluminescent Gold for ppb-Level Chromium(VI) Sensing. ACS Applied Materials & Interfaces, 2019, 11, 17491-17500.	8.0	16
111	Synchronous fluorescence spectroscopic characterization of DMBA-TPA-induced squamous cell carcinoma in mice. Journal of Biomedical Optics, 2006, 11, 014012.	2.6	15
112	Assembling Colloidal Silica into Porous Hollow Microspheres. Topics in Catalysis, 2008, 49, 251-258.	2.8	15
113	Characteristics of spontaneously formed nanoemulsions in octane/AOT/brine systems. Journal of Colloid and Interface Science, 2012, 385, 111-121.	9.4	15
114	Electrolyte Solutions Improve Nanoparticle Transfer from Oil to Water. Journal of Physical Chemistry C, 2010, 114, 19901-19907.	3.1	14
115	Improved CO₂ Absorption in a Gasâ€“Liquid Countercurrent Column Using a Ceramic Foam Contactor. Industrial & Engineering Chemistry Research, 2016, 55, 1387-1400.	3.7	13
116	Hydrodefluorination of Perfluorooctanoic Acid in the H₂-Based Membrane Catalyst-Film Reactor with Platinum Group Metal Nanoparticles: Pathways and Optimal Conditions. Environmental Science & Technology, 2021, 55, 16699-16707.	10.0	13
117	Mechanistic Insight into the Photo-Oxidation of Perfluorocarboxylic Acid over Boron Nitride. Environmental Science & Technology, 2022, 56, 8942-8952.	10.0	13
118	Microfluidic Formation of Ionically Cross-Linked Polyamine Gels. Langmuir, 2010, 26, 6650-6656.	3.5	12
119	Microbial responses to combined oxidation and catalysis treatment of 1,4-dioxane and co-contaminants in groundwater and soil. Frontiers of Environmental Science and Engineering, 2018, 12, 1.	6.0	12
120	Three-dimensional liquid surfaces through nanoparticle self-assembly. Soft Matter, 2010, 6, 1533.	2.7	11
121	Water-Phase Synthesis of Cationic Silica/Polyamine Nanoparticles. Chemistry of Materials, 2012, 24, 1426-1433.	6.7	11
122	Adsorptive Desulfurization of Liquid Fuels at Elevated Temperatures Using Metal Exchanged Zeolite Y. Industrial & Engineering Chemistry Research, 2019, 58, 19623-19632.	3.7	11
123	Enhanced performance of hybrid solar cells using longer arms of quantum cadmium selenide tetrapods. Applied Physics Letters, 2011, 99, 223515.	3.3	10
124	Molten-droplet synthesis of composite CdSe hollow nanoparticles. Nanotechnology, 2012, 23, 495605.	2.6	10
125	PdAu-catalyzed oxidation through in situ generated H2O2 in simulated produced water. Catalysis Today, 2020, 339, 362-370.	4.4	10
126	Fighting PFAS with PFAS. ACS Central Science, 2020, 6, 453-455.	11.3	10

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127	High activity and regenerability of a palladiumâ€“gold catalyst for chloroform degradation. Journal of Chemical Technology and Biotechnology, 2016, 91, 2590-2596.	3.2	9
128	Heavy oil viscosity reduction at mild temperatures using palladium acetylacetonate. Fuel, 2021, 294, 120546.	6.4	9
129	Superparamagnetic nanoadsorbents for the removal of trace As(III) in drinking water. Environmental Advances, 2021, 4, 100046.	4.8	9
130	Catalytic Capacitive Deionization for Adsorption and Reduction of Aqueous Nitrate. ACS ES&T Water, 2021, 1, 2233-2241.	4.6	9
131	Magnetic Inâ€“Pd catalysts for nitrate degradation. Environmental Science: Nano, 2020, 7, 2681-2690.	4.3	8
132	Templating CdSe tetrapods at the air/water interface with POPC lipids. Journal of Colloid and Interface Science, 2012, 378, 58-63.	9.4	7
133	Using Nonionic Surfactants for Production of Semiconductor-Type Carbon Nanotubes by Gel-Based Affinity Chromatography. Nanomaterials and Nanotechnology, 2014, 4, 19.	3.0	7
134	Effectiveness of metal oxide catalysts for the degradation of 1,4-dioxane. RSC Advances, 2019, 9, 27042-27049.	3.6	7
135	Understanding the role of iron (III) tosylate on heavy oil viscosity reduction. Fuel, 2020, 274, 117808.	6.4	7
136	The Facile Synthesis of Nanocrystalline Semiconductor Quantum Dots. Materials Research Society Symposia Proceedings, 2001, 676, 231.	0.1	6
137	Magnetically recoverable carbon-coated iron carbide with arsenic adsorptive removal properties. SN Applied Sciences, 2020, 2, 1.	2.9	6
138	Photothermal and photochemical effects of laser light absorption by indocyanine green (ICG). , 2005, , .		5
139	Non-Layer-by-Layer Assembly and Encapsulation Uses of Nanoparticle-Shelled Hollow Spheres. Advances in Polymer Science, 2010, , 89-114.	0.8	5
140	Olefin impurity effect on n-pentane bimolecular isomerization over WOx/ZrO2. Catalysis Communications, 2013, 32, 5-10.	3.3	5
141	Photocatalytic Hydrodechlorination of Trace Carbon Tetrachloride (CCl4) in Aqueous Medium. Industrial & Engineering Chemistry Research, 2014, 53, 9600-9607.	3.7	4
142	Acid-catalyzed pyrolytic synthesis of levoglucosan through salt-mediated ring locking. Green Chemistry, 2020, 22, 1968-1977.	9.0	4
143	Thermal annealing effects on palladium-decorated gold nanoparticle catalysts. Journal of Catalysis, 2022, 410, 246-255.	6.2	4
144	Synthesis of high-quality CdSe nanocrystals in heat transfer fluids. , 2005, , .		3

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145	Gold-doping of carbon-supported palladium improves reduction catalysis. Chinese Journal of Catalysis, 2016, 37, 1776-1786.	14.0	3
146	Unified Metallic Catalyst Aging Strategy and Implications for Water Treatment. Environmental Science & Technology, 2021, 55, 11284-11293.	10.0	3
147	Utilizing the broad electromagnetic spectrum and unique nanoscale properties for chemical-free water treatment. Current Opinion in Chemical Engineering, 2021, 33, 100709.	7.8	3
148	Supported Metal Oxides and the Surface Density Metric. , 2006, , 251-281.		3
149	A Simple and Rapid Method of Forming Doubleâ€Sided TiO₂ Nanotube Arrays. ChemElectroChem, 2022, 9, .	3.4	3
150	Enzyme Encapsulation Using Nanoparticle-Assembled Capsules. ACS Symposium Series, 2008, , 214-232.	0.5	2
151	Toward glucuronic acid through oxidation of methyl-glucoside using PdAu catalysts. Catalysis Communications, 2020, 135, 105895.	3.3	2
152	Room-Temperature Catalytic Treatment of High-Salinity Produced Water at Neutral pH. Industrial & Engineering Chemistry Research, 2020, 59, 10356-10363.	3.7	2
153	Destruction of Per- and Polyfluoroalkyl Substances using UVC and Boron Nitride. , 2021, , .		2
154	JP-8 Desulfurization by CuNa-Y Zeolite at Elevated Temperatures Has Two Distinct Stages: Chemisorption Followed by Surface Reactions. Industrial & Engineering Chemistry Research, 2021, 60, 14534-14546.	3.7	2
155	SURFACTANT-TEMPLATED MESOSTRUCTURED MATERIALS: SYNTHESIS AND COMPOSITIONAL CONTROL. Series on Chemical Engineering, 2004, , 125-164.	0.2	1
156	Porous Silicon as Anode Material for Lithium-Ion Batteries. Springer Series in Materials Science, 2013, , 1-23.	0.6	1
157	Performance of CdSe tetrapods-gold as nanostructure electrochemical materials in photovoltaic cells. , 2009, , .		0