

# Hao Yu

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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.

297  
papers

13,897  
citations

64  
h-index

103  
g-index

309  
ext. papers

16,207  
ext. citations

7.4  
avg, IF

6.93  
L-index

#	Paper	IF	Citations
297	Solvent-Free Production of $\epsilon$ -Caprolactone from Oxidation of Cyclohexanone Catalyzed by Nitrogen-Doped Carbon Nanotubes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2022</b> , 61, 2037-2044	2.9	1
296	Noble-metal-based high-entropy-alloy nanoparticles for electrocatalysis. <i>Journal of Energy Chemistry</i> , <b>2022</b> , 68, 721-751	12	2
295	One-pot synthesis of Ru/Nb <sub>2</sub> O <sub>5</sub> @Nb <sub>2</sub> C ternary photocatalysts for water splitting by harnessing hydrothermal redox reactions. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 303, 120910	21.8	6
294	Regulation of the rutile/anatase TiO <sub>2</sub> phase junction in-situ grown on OH terminated Ti <sub>3</sub> C <sub>2</sub> T (MXene) towards remarkably enhanced photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , <b>2022</b> , 439, 135685	14.7	7
293	Phase-Controllable Growth Ni P Modified CdS@Ni S Electrodes for Efficient Electrocatalytic and Enhanced Photoassisted Electrocatalytic Overall Water Splitting.. <i>Small Methods</i> , <b>2021</b> , 5, e2100878	12.8	6
292	Highly Enhanced Methanol Electrooxidation on Pt/NiNT-Decorated FeP**. <i>ChemElectroChem</i> , <b>2021</b> , 8, 2442-2448	4.3	1
291	High-purity hydrogen production by sorption-enhanced steam reforming of iso-octane over a Pd-promoted Ni-Ca-Al-O bi-functional catalyst. <i>Fuel</i> , <b>2021</b> , 293, 120430	7.1	3
290	Bi-functional particles for integrated thermo-chemical processes: Catalysis and beyond. <i>Particuology</i> , <b>2021</b> , 56, 10-32	2.8	5
289	Pt/calcium cobaltate enables sorption-enhanced steam reforming of glycerol coupled with chemical-looping CH <sub>4</sub> combustion. <i>AIChE Journal</i> , <b>2021</b> , 67, e17383	3.6	0
288	Inhibitory effect of Zn <sup>2+</sup> on the chain-initiation process of cumene oxidation. <i>International Journal of Quantum Chemistry</i> , <b>2021</b> , 121, e26780	2.1	3
287	Photocatalysis over MXene-based hybrids: Synthesis, surface chemistry, and interfacial charge kinetics. <i>APL Materials</i> , <b>2021</b> , 9, 070703	5.7	9
286	Radical Propagation Facilitating Aerobic Oxidation of Substituted Aromatics Promoted by Tert-Butyl Hydroperoxide. <i>ChemistrySelect</i> , <b>2021</b> , 6, 6895-6903	1.8	1
285	Selective oxidation of glycerol over supported noble metal catalysts. <i>Catalysis Today</i> , <b>2021</b> , 365, 162-171	5.3	14
284	CdS@Ni <sub>3</sub> S <sub>2</sub> for efficient and stable photo-assisted electrochemical (P-EC) overall water splitting. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126231	14.7	18
283	Surface-structure sensitive chemical diffusivity and reactivity of CO adsorbates on noble metal electrocatalysts. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 281, 119522	21.8	5
282	New Understanding of Selective Aerobic Oxidation of Ethylbenzene Catalyzed by Nitrogen-doped Carbon Nanotubes. <i>ChemCatChem</i> , <b>2021</b> , 13, 646-655	5.2	10
281	Enhanced photocatalytic CO <sub>2</sub> reduction in H <sub>2</sub> O vapor by atomically thin Bi <sub>2</sub> WO <sub>6</sub> nanosheets with hydrophobic and nonpolar surface. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 283, 119630	21.8	45

280	Pd-promoted Ni-Ca-Al bi-functional catalyst for integrated sorption-enhanced steam reforming of glycerol and methane reforming of carbonate. <i>Chemical Engineering Science</i> , <b>2021</b> , 230, 116226	4.4	9
279	Understanding the Catalytic Sites in Porous Hexagonal Boron Nitride for the Epoxidation of Styrene. <i>ACS Catalysis</i> , <b>2021</b> , 11, 8872-8880	13.1	7
278	Modifying carbon nanotubes supported palladium nanoparticles via regulating the electronic metal-carbon interaction for phenol hydrogenation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 131758	14.7	1
277	Engineering highly active Ag/Nb <sub>2</sub> O <sub>5</sub> @Nb <sub>2</sub> CT (MXene) photocatalysts via steering charge kinetics strategy. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 128766	14.7	18
276	Essential analysis of cyclic voltammetry of methanol electrooxidation using the differential electrochemical mass spectrometry. <i>Journal of Power Sources</i> , <b>2021</b> , 509, 230397	8.9	1
275	Platinum-based ternary catalysts for the electrooxidation of ethanol. <i>Particuology</i> , <b>2021</b> , 58, 169-186	2.8	9
274	The zinc vacancy induced CdS/ZnS Z-scheme structure as a highly stable photocatalyst for hydrogen production. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 888, 161620	5.7	4
273	MnO-decorated N-doped carbon nanotube with boosted activity for low-temperature oxidation of formaldehyde. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 396, 122750	12.8	31
272	Formation of Lattice-Dislocated Zinc Oxide via Anodic Corrosion for Electrocatalytic CO Reduction to Syngas with a Potential-Dependent CO:H Ratio. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 30466-30474	8.5	14
271	Modulating the electronic property of Pt nanocatalyst on rGO by iron oxides for aerobic oxidation of glycerol. <i>Catalysis Communications</i> , <b>2020</b> , 144, 106073	3.2	4
270	Trace amounts of Cu(OAc) <sub>2</sub> boost the efficiency of cumene oxidation catalyzed by carbon nanotubes washed with HCl. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 2523-2530	5.5	8
269	The Evolution from a Typical Type-I CdS/ZnS to Type-II and Z-Scheme Hybrid Structure for Efficient and Stable Hydrogen Production under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 4537-4546	8.3	30
268	Highly exposed (001) facets Ni(OH) <sub>2</sub> induced formation of nickel phosphide over cadmium sulfide nanorods for efficient photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 9397-9407	6.7	16
267	Metal-free carbocatalysis for electrochemical oxygen reduction reaction: Activity origin and mechanism. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 48, 308-321	12	40
266	Intrinsic acid resistance and high removal performance from the incorporation of nickel nanoparticles into nitrogen doped tubular carbons for environmental remediation. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 566, 46-59	9.3	10
265	Selective Catalytic Oxidation of Benzyl Alcohol to Benzaldehyde by Nitrates. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 151	5	6
264	Mg-promoted Ni-CaO microsphere as bi-functional catalyst for hydrogen production from sorption-enhanced steam reforming of glycerol. <i>Chemical Engineering Journal</i> , <b>2020</b> , 383, 123204	14.7	28
263	A novel bicomponent Co <sub>3</sub> S <sub>4</sub> /Co@C cocatalyst on CdS, accelerating charge separation for highly efficient photocatalytic hydrogen evolution. <i>Green Chemistry</i> , <b>2020</b> , 22, 238-247	10	42

262	Synergistic Effect of Nitrogen Dopants on Carbon Nanotubes on the Catalytic Selective Epoxidation of Styrene. <i>ACS Catalysis</i> , <b>2020</b> , 10, 129-137	13.1	32
261	Bifunctional CdS@Co <sub>9</sub> S <sub>8</sub> /Ni <sub>3</sub> S <sub>2</sub> catalyst for efficient electrocatalytic and photo-assisted electrocatalytic overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 3083-3096	13	43
260	Chlorine-Promoted Nitrogen and Sulfur Co-Doped Biocarbon Catalyst for Electrochemical Carbon Dioxide Reduction. <i>ChemElectroChem</i> , <b>2020</b> , 7, 320-327	4.3	9
259	Understanding of nitrogen fixation electro catalyzed by molybdenum iron carbide through the experiment and theory. <i>Nano Energy</i> , <b>2020</b> , 68, 104374	17.1	32
258	Zinc finger protein 5 (ZFP5) associates with ethylene signaling to regulate the phosphate and potassium deficiency-induced root hair development in Arabidopsis. <i>Plant Molecular Biology</i> , <b>2020</b> , 102, 143-158	4.6	18
257	Regulating Electron-Hole Separation to Promote Photocatalytic H Evolution Activity of Nanoconfined Ru/MXene/TiO Catalysts. <i>ACS Nano</i> , <b>2020</b> , 14, 14181-14189	16.7	74
256	Production of high-purity hydrogen from paper recycling black liquor via sorption enhanced steam reforming. <i>Green Energy and Environment</i> , <b>2020</b> , 6, 771-771	5.7	2
255	Oxygen Doping in Graphitic Carbon Nitride for Enhanced Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , <b>2020</b> , 13, 5041-5049	8.3	17
254	Biomass-Derived Nitrogen-Doped Porous Carbons Activated by Magnesium Chloride as Ultrahigh-Performance Supercapacitors. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 21756-21767	3.9	7
253	Co <sub>3</sub> N <sub>4</sub> -Supported Platinum Catalyst: Synergistic Effect on the Aerobic Oxidation of Glycerol. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 19062-19071	8.3	3
252	Phosphorus doped Co <sub>9</sub> S <sub>8</sub> @CS as an excellent air-electrode catalyst for zinc-air batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122683	14.7	38
251	Morphology effect of ZnO support on the performance of Cu toward methanol production from CO <sub>2</sub> hydrogenation. <i>Journal of Saudi Chemical Society</i> , <b>2020</b> , 24, 42-51	4.3	8
250	Lignin derived multi-doped (N, S, Cl) carbon materials as excellent electrocatalyst for oxygen reduction reaction in proton exchange membrane fuel cells. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 44, 106-114	11.4	35
249	Theoretical calculations and controllable synthesis of MoSe <sub>2</sub> /CdS-CdSe with highly active sites for photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , <b>2020</b> , 383, 123133	14.7	16
248	Syngas production by dry reforming of the mixture of glycerol and ethanol with CaCO <sub>3</sub> . <i>Journal of Energy Chemistry</i> , <b>2020</b> , 43, 90-97	12	33
247	Designing efficient TiO <sub>2</sub> -based photoelectrocatalysis systems for chemical engineering and sensing. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122605	14.7	45
246	Hydrogen Production from Sorption-Enhanced Steam Reforming of Phenol over a Ni <sub>2</sub> C@NiO Bifunctional Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 7111-7120	8.3	16
245	Photoelectrochemical detection of ultra-trace fluorine ion using TiO nanorod arrays as a probe.. <i>RSC Advances</i> , <b>2019</b> , 9, 26712-26717	3.7	3

244	Electron-Rich Ruthenium on Nitrogen-Doped Carbons Promoting Levulinic Acid Hydrogenation to $\gamma$ -Valerolactone: Effect of Metal-Support Interaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 16501-16510	8.3	32
243	Electronic synergism of pyridinic- and graphitic-nitrogen on N-doped carbons for the oxygen reduction reaction. <i>Chemical Science</i> , <b>2019</b> , 10, 1589-1596	9.4	97
242	CdS@Ni <sub>3</sub> S <sub>2</sub> core-shell nanorod arrays on nickel foam: a multifunctional catalyst for efficient electrochemical catalytic, photoelectrochemical and photocatalytic H <sub>2</sub> production reaction. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 2560-2574	13	56
241	Elucidating Interaction between Palladium and N-Doped Carbon Nanotubes: Effect of Electronic Property on Activity for Nitrobenzene Hydrogenation. <i>ACS Catalysis</i> , <b>2019</b> , 9, 2893-2901	13.1	63
240	Electrocatalytic Oxidation of Small Molecule Alcohols over Pt, Pd, and Au Catalysts: The Effect of Alcohol-Hydrogen Bond Donation Ability and Molecular Structure Properties. <i>Catalysts</i> , <b>2019</b> , 9, 387	4	24
239	Recent advances in metal sulfides: from controlled fabrication to electrocatalytic, photocatalytic and photoelectrochemical water splitting and beyond. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 4178-4280	58.5	463
238	Facile Synthesis of Cobalt and Nitrogen Coordinated Carbon Nanotube as a High-Performance Electrocatalyst for Oxygen Reduction Reaction in Both Acidic and Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 10951-10961	8.3	12
237	Revealing active-site structure of porous nitrogen-defected carbon nitride for highly effective photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , <b>2019</b> , 373, 687-699	14.7	43
236	3D Conformations of Thick Synthetic Polymer Chains Observed by Cryogenic Electron Microscopy. <i>ACS Nano</i> , <b>2019</b> , 13, 3466-3473	16.7	8
235	Z-scheme Bi <sub>2</sub> WO <sub>6</sub> /CuBi <sub>2</sub> O <sub>4</sub> heterojunction mediated by interfacial electric field for efficient visible-light photocatalytic degradation of tetracycline. <i>Chemical Engineering Journal</i> , <b>2019</b> , 369, 292-301	14.7	152
234	Efficient electrochemical reduction of CO <sub>2</sub> into CO promoted by sulfur vacancies. <i>Nano Energy</i> , <b>2019</b> , 60, 43-51	17.1	90
233	Development of a self-organized network to optimize the data transmission in BECMP based on minimum spanning tree algorithm. <i>Building Simulation</i> , <b>2019</b> , 12, 535-545	3.9	1
232	Competitive adsorption on single-atom catalysts: Mechanistic insights into the aerobic oxidation of alcohols over CoNC. <i>Journal of Catalysis</i> , <b>2019</b> , 377, 283-292	7.3	22
231	Can one determine the density of an individual synthetic macromolecule?. <i>Soft Matter</i> , <b>2019</b> , 15, 6547-6556	3.5	6
230	Preparation of CdS-CoS <sub>x</sub> photocatalysts and their photocatalytic and photoelectrochemical characteristics for hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 27795-27805	6.7	14
229	Mechanistic Insights into Cyclic Voltammograms on Pt(111): Kinetics Simulations. <i>ChemPhysChem</i> , <b>2019</b> , 20, 2791-2798	3.2	3
228	Manipulating photocatalytic pathway and activity of ternary Cu <sub>2</sub> O/(001)TiO <sub>2</sub> @Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> catalysts for H <sub>2</sub> evolution: Effect of surface coverage. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 29975-29985	6.7	29
227	Application of electrochemical methods in heterogeneous catalysis. <i>Current Opinion in Chemical Engineering</i> , <b>2019</b> , 26, 88-95	5.4	0

226	MoS <sub>2</sub> supported on hydrogenated TiO <sub>2</sub> heterostructure film as photocathode for photoelectrochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 31008-31019	6.7	11
225	2H- and 1T- mixed phase few-layer MoS <sub>2</sub> as a superior to Pt co-catalyst coated on TiO <sub>2</sub> nanorod arrays for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 241, 236-245	21.8	160
224	Co-production of high quality hydrogen and synthesis gas via sorption-enhanced steam reforming of glycerol coupled with methane reforming of carbonates. <i>Chemical Engineering Journal</i> , <b>2019</b> , 360, 47-53	14.7	22
223	Superoxide Decay Pathways in Oxygen Reduction Reaction on Carbon-Based Catalysts Evidenced by Theoretical Calculations. <i>ChemSusChem</i> , <b>2019</b> , 12, 1133-1138	8.3	12
222	Highly efficient and acid-corrosion resistant nitrogen doped magnetic carbon nanotubes for the hexavalent chromium removal with subsequent reutilization. <i>Chemical Engineering Journal</i> , <b>2019</b> , 361, 547-558	14.7	26
221	Mn <sub>3</sub> O <sub>4</sub> @C Nanoparticles Supported on Porous Carbon as Bifunctional Oxygen Electrodes and their Electrocatalytic Mechanism. <i>ChemElectroChem</i> , <b>2019</b> , 6, 359-368	4.3	17
220	Preparation of nitrogen and sulfur co-doped ultrathin graphitic carbon via annealing bagasse lignin as potential electrocatalyst towards oxygen reduction reaction in alkaline and acid media. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 34, 33-42	12	22
219	ZnO/CdS/PbS nanotube arrays with multi-heterojunctions for efficient visible-light-driven photoelectrochemical hydrogen evolution. <i>Chemical Engineering Journal</i> , <b>2019</b> , 362, 658-666	14.7	56
218	Cobalt and cobalt oxide supported on nitrogen-doped porous carbon as electrode materials for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 3649-3657	6.7	10
217	Unraveling the intrinsic enhancement of fluorine doping in the dual-doped magnetic carbon adsorbent for the environmental remediation. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 538, 327-339	8.3	15
216	Formation of Supramolecular Nanotubes by Self-assembly of a Phosphate-linked Dimeric Anthracene in Water. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 968-971	4.5	1
215	Catalytic wet air oxidation of phenol over carbon nanotubes: Synergistic effect of carboxyl groups and edge carbons. <i>Carbon</i> , <b>2018</b> , 133, 464-473	10.4	28
214	Co <sub>9</sub> S <sub>8</sub> -porous carbon spheres as bifunctional electrocatalysts with high activity and stability for oxygen reduction and evolution reactions. <i>Electrochimica Acta</i> , <b>2018</b> , 265, 32-40	6.7	42
213	Calcium cobaltate: a phase-change catalyst for stable hydrogen production from bio-glycerol. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 660-668	35.4	29
212	Amorphous TiO@NH-MIL-125(Ti) homologous MOF-encapsulated heterostructures with enhanced photocatalytic activity. <i>Chemical Communications</i> , <b>2018</b> , 54, 1917-1920	5.8	74
211	Design of cocatalyst loading position for photocatalytic water splitting into hydrogen in electrolyte solutions. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 5551-5560	6.7	23
210	A distribute and self-tuning wireless environment monitoring system for buildings based on the Wi-Fi Direct technology. <i>Science and Technology for the Built Environment</i> , <b>2018</b> , 24, 22-32	1.8	1
209	Enhanced activity of Pt/CNTs anode catalyst for direct methanol fuel cells using Ni <sub>2</sub> P as co-catalyst. <i>Applied Surface Science</i> , <b>2018</b> , 434, 534-539	6.7	16

208	Development of a distributed artificial fish swarm algorithm to optimize pumps working in parallel mode. <i>Science and Technology for the Built Environment</i> , <b>2018</b> , 24, 248-258	1.8	6
207	Novel Highly Active Anatase/Rutile TiO <sub>2</sub> Photocatalyst with Hydrogenated Heterophase Interface Structures for Photoelectrochemical Water Splitting into Hydrogen. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 10823-10832	8.3	48
206	A hydrothermal etching route to synthesis of 2D MXene (Ti <sub>3</sub> C <sub>2</sub> , Nb <sub>2</sub> C): Enhanced exfoliation and improved adsorption performance. <i>Ceramics International</i> , <b>2018</b> , 44, 18886-18893	5.1	145
205	Hydrogenated CdS nanorods arrays/FTO film: A highly stable photocatalyst for photocatalytic H <sub>2</sub> production. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 17696-17707	6.7	14
204	High efficiency photocatalytic hydrogen production over ternary Cu/TiO <sub>2</sub> @Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> enabled by low-work-function 2D titanium carbide. <i>Nano Energy</i> , <b>2018</b> , 53, 97-107	17.1	187
203	Revealing the Relationship between Photocatalytic Properties and Structure Characteristics of TiO <sub>2</sub> Reduced by Hydrogen and Carbon Monoxide Treatment. <i>ChemSusChem</i> , <b>2018</b> , 11, 2766-2775	8.3	32
202	A kinetics study on cumene oxidation catalyzed by carbon nanotubes: Effect of N-doping. <i>Chemical Engineering Science</i> , <b>2018</b> , 177, 391-398	4.4	24
201	Deactivation and regeneration of in situ formed bismuth-promoted platinum catalyst for the selective oxidation of glycerol to dihydroxyacetone. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 18837-18843	3.6	13
200	Nickel Nanoparticles Encapsulated in Nitrogen-Doped Carbon Nanotubes as Excellent Bifunctional Oxygen Electrode for Fuel Cell and Metal-Air Battery. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 15108-15118	8.3	35
199	Dual Functional CuO <sub>1-x</sub> Clusters for Enhanced Photocatalytic Activity and Stability of a Pt Cocatalyst in an Overall Water-Splitting Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 17340-17351	8.3	11
198	NbGIS regulates glandular trichome initiation through GA signaling in tobacco. <i>Plant Molecular Biology</i> , <b>2018</b> , 98, 153-167	4.6	19
197	Electrochemical Reduction of CO into Tunable Syngas Production by Regulating the Crystal Facets of Earth-Abundant Zn Catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 20530-20539	9.5	86
196	Hexavalent chromium removal over magnetic carbon nanoadsorbents: synergistic effect of fluorine and nitrogen co-doping. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13062-13074	13	130
195	(111) TiO <sub>2-x</sub> /Ti <sub>3</sub> C <sub>2</sub> : Synergy of active facets, interfacial charge transfer and Ti <sup>3+</sup> doping for enhance photocatalytic activity. <i>Materials Research Bulletin</i> , <b>2017</b> , 89, 16-25	5.1	121
194	Controllable Preparation of Holey Graphene and Electrocatalytic Performance for Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 228, 203-213	6.7	22
193	Co-Cu-CaO catalysts for high-purity hydrogen from sorption-enhanced steam reforming of glycerol. <i>Applied Catalysis A: General</i> , <b>2017</b> , 533, 9-16	5.1	32
192	Electron transfer dependent catalysis of Pt on N-doped carbon nanotubes: Effects of synthesis method on metal-support interaction. <i>Journal of Catalysis</i> , <b>2017</b> , 348, 100-109	7.3	94
191	Highly uniform and monodisperse carbon nanospheres enriched with cobalt-nitrogen active sites as a potential oxygen reduction electrocatalyst. <i>Journal of Power Sources</i> , <b>2017</b> , 346, 80-88	8.9	40

190	Carbocatalyse in Flüssigphasenreaktionen. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 956-985	3.6	30
189	Poly(vinylidene fluoride) derived fluorine-doped magnetic carbon nanoadsorbents for enhanced chromium removal. <i>Carbon</i> , <b>2017</b> , 115, 503-514	10.4	46
188	New route of fabricating BiOI and Bi <sub>2</sub> O <sub>3</sub> supported TiO <sub>2</sub> nanotube arrays via the electrodeposition of bismuth nanoparticles for photocatalytic degradation of acid orange II. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 196, 237-244	4.4	21
187	Sorption-enhanced steam reforming of glycerol over NiCuCaAl catalysts for producing fuel-cell grade hydrogen. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 17446-17456	6.7	22
186	Synthesis of Responsive Two-Dimensional Polymers via Self-Assembled DNA Networks. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5040-5044	16.4	30
185	Synthesis of Responsive Two-Dimensional Polymers via Self-Assembled DNA Networks. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 5122-5126	3.6	13
184	Electrodeposition of Cu <sub>2</sub> O/g-C <sub>3</sub> N <sub>4</sub> heterojunction film on an FTO substrate for enhancing visible light photoelectrochemical water splitting. <i>Chinese Journal of Catalysis</i> , <b>2017</b> , 38, 365-371	11.3	36
183	Unravelling the radical transition during the carbon-catalyzed oxidation of cyclohexane by in situ electron paramagnetic resonance in the liquid phase. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 4431-4436	5.5	14
182	Magnetic Nanocarbon Adsorbents with Enhanced Hexavalent Chromium Removal: Morphology Dependence of Fibrillar vs Particulate Structures. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 10689-10701	3.9	244
181	Design of two kinds of branched TiO <sub>2</sub> nano array photoanodes and their comparison of photoelectrochemical performances. <i>Electrochimica Acta</i> , <b>2017</b> , 252, 368-373	6.7	18
180	Trace iron impurities deactivate palladium supported on nitrogen-doped carbon nanotubes for nitrobenzene hydrogenation. <i>Applied Catalysis A: General</i> , <b>2017</b> , 545, 54-63	5.1	20
179	Effect of the surface roughness of copper substrate on three-dimensional tin electrode for electrochemical reduction of CO <sub>2</sub> into HCOOH. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2017</b> , 21, 219-223	7.6	18
178	In-situ photo-deposition CuO cluster on TiO <sub>2</sub> for enhanced photocatalytic H <sub>2</sub> -production activity. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 19942-19950	6.7	31
177	Solvent effect on the allylic oxidation of cyclohexene catalyzed by nitrogen doped carbon nanotubes. <i>Catalysis Communications</i> , <b>2017</b> , 88, 99-103	3.2	25
176	Carbocatalysis in Liquid-Phase Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 936-964	16.4	172
175	Heterostructured CoO/3D-TiO <sub>2</sub> nanorod arrays for photoelectrochemical water splitting hydrogen production. <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 455-461	2.6	23
174	Design and preparation of CdS/H-3D-TiO <sub>2</sub> /Pt-wire photocatalysis system with enhanced visible-light driven H <sub>2</sub> evolution. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 928-937	6.7	32
173	A Review of Carbon-based Non-noble Catalysts for Oxygen Reduction Reaction. <i>Acta Chimica Sinica</i> , <b>2017</b> , 75, 943	3.3	11



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171	One-pot melamine derived nitrogen doped magnetic carbon nanoadsorbents with enhanced chromium removal. <i>Carbon</i> , <b>2016</b> , 109, 640-649	10.4	104
170	Iron based dual-metal oxides on graphene for lithium-ion batteries anode: Effects of composition and morphology. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 684, 47-54	5.7	15
169	A facile fabrication of hierarchical Ag nanoparticles-decorated N-TiO <sub>2</sub> with enhanced photocatalytic hydrogen production under solar light. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 3446-3455	6.7	53
168	Promoting role of bismuth and antimony on Pt catalysts for the selective oxidation of glycerol to dihydroxyacetone. <i>Journal of Catalysis</i> , <b>2016</b> , 335, 95-104	7.3	80
167	Catalytic applications of alkali-functionalized carbon nanospheres and their supported Pd nanoparticles. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 184, 104-118	21.8	31
166	Enhancing the photocatalytic efficiency of TiO <sub>2</sub> nanotube arrays for H <sub>2</sub> production by using non-noble metal cobalt as co-catalyst. <i>Materials Letters</i> , <b>2016</b> , 165, 37-40	3.3	18
165	A bi-functional Co <sub>12</sub> Al <sub>14</sub> O <sub>33</sub> catalyst for sorption-enhanced steam reforming of glycerol to high-purity hydrogen. <i>Chemical Engineering Journal</i> , <b>2016</b> , 286, 329-338	14.7	64
164	Hybrids of Two-Dimensional Ti <sub>3</sub> C <sub>2</sub> and TiO <sub>2</sub> Exposing {001} Facets toward Enhanced Photocatalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6051-60	9.5	424
163	Highly selective gas-phase oxidation of ethanol to ethyl acetate over bi-functional Pd/zeolite catalysts. <i>Green Chemistry</i> , <b>2016</b> , 18, 3048-3056	10	12
162	Chemically drilling carbon nanotubes for electrocatalytic oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 49-56	6.7	25
161	The effect of surface oxygenated groups of carbon nanotubes on liquid phase catalytic oxidation of cumene. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 2396-2402	5.5	10
160	Enhanced Catalytic Activity of Carbon Nanotubes for the Oxidation of Cyclohexane by Filling with Fe, Ni, and FeNi alloy Nanowires. <i>Australian Journal of Chemistry</i> , <b>2016</b> , 69, 689	1.2	7
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158	Ce <sub>x</sub> Ni <sub>0.5</sub> La <sub>0.5-x</sub> O Catalysts for Hydrogen Production by Oxidative Steam Reforming of Glycerol: Influence of the Ce-to-La Ratio. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2016</b> , 32, 1527-1533	3.8	2
157	Exploring the Loading Capacity of Generation Six to Eight Dendronized Polymers in Aqueous Solution. <i>ChemPhysChem</i> , <b>2016</b> , 17, 2767-72	3.2	1
156	Comparatively Thermal and Crystalline Study of Poly(methyl-methacrylate)/Polyacrylonitrile Hybrids: Core-Shell Hollow Fibers, Porous Fibers, and Thin Films. <i>Macromolecular Materials and Engineering</i> , <b>2016</b> , 301, 1327-1336	3.9	17
155	Solution-phase synthesis of 1D tubular polymers via preorganization-polymerization. <i>Chemical Communications</i> , <b>2016</b> , 52, 14396-14399	5.8	14

154	Solution growth of peony-like copper hydroxyl-phosphate ( $\text{Cu}_2(\text{OH})\text{PO}_4$ ) flowers on Cu foil and their photocatalytic activity under visible light. <i>Materials and Design</i> , <b>2016</b> , 100, 30-36	8.1	13
153	Branched hydrogenated $\text{TiO}_2$ nanorod arrays for improving photocatalytic hydrogen evolution performance under simulated solar light. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 20192-20197	6.7	25
152	From chicken feather to nitrogen and sulfur co-doped large surface bio-carbon floccs: an efficient electrocatalyst for oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2016</b> , 213, 273-282	6.7	46
151	Ni foams decorated with carbon nanotubes as catalytic stirrers for aerobic oxidation of cumene. <i>Chemical Engineering Journal</i> , <b>2016</b> , 306, 806-815	14.7	23
150	Preparation of $\text{Bi}_2\text{Ti}_2\text{O}_7/\text{TiO}_2$ nanocomposites and their photocatalytic performance under visible light irradiation. <i>Materials and Design</i> , <b>2015</b> , 86, 152-155	8.1	23
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145	Nitrogen doped carbon nanotubes with encapsulated ferric carbide as excellent electrocatalyst for oxygen reduction reaction in acid and alkaline media. <i>Journal of Power Sources</i> , <b>2015</b> , 286, 495-503	8.9	101
144	Facile and scalable synthesis of coal tar-derived, nitrogen and sulfur-codoped carbon nanotubes with superior activity for $\text{O}_2$ reduction by employing an evocating agent. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22723-22729	13	14
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139	Non-noble metal copper nanoparticles-decorated $\text{TiO}_2$ nanotube arrays with plasmon-enhanced photocatalytic hydrogen evolution under visible light. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 303-310	6.7	81
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135	Co <sub>3</sub> S <sub>4</sub> /NCNTs: A catalyst for oxygen evolution reaction. <i>Catalysis Today</i> , <b>2015</b> , 245, 74-78	5.3	55
134	Magnetic epoxy nanocomposites with superparamagnetic MnFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>AIP Advances</i> , <b>2015</b> , 5, 097183	1.5	7
133	Aerobic oxidation of pinene catalyzed by carbon nanotubes. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 3935-3944	5.5	25
132	Si-doped carbon nanotubes as efficient metal-free electrocatalysts for O <sub>2</sub> reduction in alkaline medium. <i>Materials Letters</i> , <b>2015</b> , 158, 32-35	3.3	24
131	Enhanced Activity and Durability of Nanosized Pt-SnO <sub>2</sub> /IrO <sub>2</sub> /CNTs Catalyst for Methanol Electrooxidation. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 3662-9	1.3	11
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129	Morphology Effect of Ir/La <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> Nanorods with Selectively Exposed {110} Facets in Catalytic Steam Reforming of Glycerol. <i>ACS Catalysis</i> , <b>2015</b> , 5, 1155-1163	13.1	44
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53	Boron and nitrogen-codoped TiO <sub>2</sub> nanorods: Synthesis, characterization, and photoelectrochemical properties. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 3002-3007	3.3	24
52	Controlled synthesis of octahedral Cu <sub>2</sub> O on TiO <sub>2</sub> nanotube arrays by electrochemical deposition. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 130, 316-322	4.4	20
51	Preparation of nitrogen doped TiO <sub>2</sub> photocatalyst by oxidation of titanium nitride with H <sub>2</sub> O <sub>2</sub> . <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 840-844	5.1	43
50	Structural stability and mutual transformations of molybdenum carbide, nitride and phosphide. <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 1938-1941	5.1	15
49	Electrodeposition of polyhedral Cu <sub>2</sub> O on TiO <sub>2</sub> nanotube arrays for enhancing visible light photocatalytic performance. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 861-864	5.1	113
48	A facile one-step preparation of hierarchically-structured TiO <sub>2</sub> nanotube array photoanodes with enhanced photocatalytic activity. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 1151-1154	5.1	10
47	Novel phosphorus-doped multiwalled nanotubes with high electrocatalytic activity for O <sub>2</sub> reduction in alkaline medium. <i>Catalysis Communications</i> , <b>2011</b> , 16, 35-38	3.2	109

46	Facile synthesis of MnO <sub>2</sub> /CNT nanocomposite and its electrochemical performance for supercapacitors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2011</b> , 176, 1073-1078	3.1	81
45	Synthesis and fluorescence properties of dysprosium-coordinated with high-T <sub>g</sub> polyaryletherketones containing carboxyl side groups. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 488-494	3.2	5
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42	Phosphorus-doped graphite layers with high electrocatalytic activity for the O <sub>2</sub> reduction in an alkaline medium. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 3257-61	16.4	589
41	Selective catalysis of the aerobic oxidation of cyclohexane in the liquid phase by carbon nanotubes. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 3978-82	16.4	204
40	Chemical synthesis, structural characterization, optical properties, and photocatalytic activity of ultrathin ZnSe nanorods. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 8663-70	4.8	39
39	A novel carbothermal reduction nitridation route to MoN nanoparticles on CNTs support. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6898		16
38	Zinc finger protein5 is required for the control of trichome initiation by acting upstream of zinc finger protein8 in Arabidopsis. <i>Plant Physiology</i> , <b>2011</b> , 157, 673-82	6.6	79
37	Preparation of B, N-codoped nanotube arrays and their enhanced visible light photoelectrochemical performances. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 121-124	5.1	46
36	Hydrogen permeability of PdAg membrane modules with porous stainless steel substrates. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 1014-1026	6.7	17
35	Novel highly efficient alumina-supported cobalt nitride catalyst for preferential CO oxidation at high temperatures. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 1955-1959	6.7	42
34	Effect of nitrogen-doping temperature on the structure and photocatalytic activity of the B,N-doped TiO <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 134-140	3.3	45
33	Synthesis and Characterization of Novel N-doped TiO <sub>2</sub> Photocatalyst with Visible Light Active. <i>Chinese Journal of Chemical Physics</i> , <b>2010</b> , 23, 437-441	0.9	8
32	Photoelectrochemical characterization of a robust TiO <sub>2</sub> /BDD heterojunction electrode for sensing application in aqueous solutions. <i>Langmuir</i> , <b>2010</b> , 26, 6033-40	4	32
31	Microporous polyimide networks with large surface areas and their hydrogen storage properties. <i>Chemical Communications</i> , <b>2010</b> , 46, 7730-2	5.8	121
30	Efficient and stable oxidative steam reforming of ethanol for hydrogen production: Effect of in situ dispersion of Ir over Ir/La <sub>2</sub> O <sub>3</sub> . <i>Journal of Catalysis</i> , <b>2010</b> , 269, 281-290	7.3	64
29	Chemical synthesis, structure characterization, and optical properties of hollow PbS(x)-solid Au heterodimer nanostructures. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 5920-6	4.8	20



28	Electrochemical preparation of copper hexacyanoferrate nanoparticles under the synergic action of EDTA and H <sub>2</sub> AuCl <sub>4</sub> . <i>Journal of Electroanalytical Chemistry</i> , <b>2010</b> , 650, 82-89	4.1	7
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26	Thermal stability of gold nanorods in an aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2010</b> , 372, 177-181	5.1	48
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24	Preparation of cuprous oxides with different sizes and their behaviors of adsorption, visible-light driven photocatalysis and photocorrosion. <i>Solid State Sciences</i> , <b>2009</b> , 11, 129-138	3.4	248
23	Modeling of velocity distribution among microchannels with triangle manifolds. <i>AIChE Journal</i> , <b>2009</b> , 55, 1969-1982	3.6	51
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21	In situ XPS study of band structures at Cu <sub>2</sub> O/TiO <sub>2</sub> heterojunctions interface. <i>Surface Science</i> , <b>2009</b> , 603, 2825-2834	1.8	77
20	MnO <sub>2</sub> /CNT supported Pt and PtRu nanocatalysts for direct methanol fuel cells. <i>Langmuir</i> , <b>2009</b> , 25, 7711-7717	4.7	156
19	The role of RuO <sub>2</sub> in the electrocatalytic oxidation of methanol for direct methanol fuel cell. <i>Catalysis Communications</i> , <b>2009</b> , 10, 533-537	3.2	52
18	Selective etching of gold nanorods by ferric chloride at room temperature. <i>CrystEngComm</i> , <b>2009</b> , 11, 2797	3.3	94
17	Capacitance dependent catalytic activity of RuO <sub>2</sub> x xH <sub>2</sub> O/CNT nanocatalysts for aerobic oxidation of benzyl alcohol. <i>Chemical Communications</i> , <b>2009</b> , 2408-10	5.8	31
16	Preparation and characterization of Cu <sub>2</sub> O/TiO <sub>2</sub> nano-fibero heterostructure photocatalysts. <i>Catalysis Communications</i> , <b>2009</b> , 10, 1839-1843	3.2	157
15	Effects of RuO <sub>2</sub> Content in Pt/RuO <sub>2</sub> /CNTs Nanocatalyst on the Electrocatalytic Oxidation Performance of Methanol. <i>Chinese Journal of Catalysis</i> , <b>2008</b> , 29, 1093-1098	11.3	11
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12	Preparation, Electrochemical Behavior and Electrocatalytic Activity of a Copper Hexacyanoferrate Modified Ceramic Carbon Electrode. <i>Chinese Journal of Chemistry</i> , <b>2007</b> , 25, 503-509	4.9	10
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4	Floral homeotic genes are targets of gibberellin signaling in flower development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 7827-32	11.5	211
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