

Feng Peng

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.

329
papers

14,639
citations

64
h-index

105
g-index

346
ext. papers

17,108
ext. citations

7.2
avg. IF

6.96
L-index

#	Paper	IF	Citations
329	Solvent-Free Production of ϵ -Caprolactone from Oxidation of Cyclohexanone Catalyzed by Nitrogen-Doped Carbon Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 2037-2044	2.9	1
328	Noble-metal-based high-entropy-alloy nanoparticles for electrocatalysis. <i>Journal of Energy Chemistry</i> , 2022 , 68, 721-751	12	2
327	One-pot synthesis of Ru/Nb ₂ O ₅ @Nb ₂ C ternary photocatalysts for water splitting by harnessing hydrothermal redox reactions. <i>Applied Catalysis B: Environmental</i> , 2022 , 303, 120910	21.8	6
326	First complete mitochondrial genome from the genus (Coleoptera: Curculionidae: Scolytinae) and its phylogenetic implications.. <i>Mitochondrial DNA Part B: Resources</i> , 2022 , 7, 575-576	0.5	1
325	Efficient purification of tetracycline wastewater by activated persulfate with heterogeneous Co-V bimetallic oxides.. <i>Journal of Colloid and Interface Science</i> , 2022 , 619, 188-197	9.3	1
324	Natural light driven photovoltaic-electrolysis water splitting with 12.7% solar-to-hydrogen conversion efficiency using a two-electrode system grown with metal foam. <i>Journal of Power Sources</i> , 2022 , 538, 231536	8.9	2
323	MnO ₂ nanoparticles supported on CNTs for cumene oxidation: Synergistic effect and kinetic modelling. <i>Chemical Engineering Journal</i> , 2022 , 444, 136666	14.7	2
322	Design, Synthesis, Antibacterial Activity, Antiviral Activity, and Mechanism of Myricetin Derivatives Containing a Quinazolinone Moiety. <i>ACS Omega</i> , 2021 , 6, 30826-30833	3.9	6
321	Self-nitrogen-doped porous carbon prepared via pyrolysis of grass-blade without additive for oxygen reduction reaction. <i>Diamond and Related Materials</i> , 2021 , 121, 108742	3.5	0
320	Phase-Controllable Growth Ni P Modified CdS@Ni S Electrodes for Efficient Electrocatalytic and Enhanced Photoassisted Electrocatalytic Overall Water Splitting.. <i>Small Methods</i> , 2021 , 5, e2100878	12.8	6
319	Design, synthesis, and antibacterial activity of novel myricetin derivatives containing sulfonate. <i>Monatshefte für Chemie</i> , 2021 , 152, 345-356	1.4	4
318	Porous Carbon Nanosheets Derived from ZIF-8 Treated with KCl as Highly Efficient Electrocatalysts for the Oxygen Reduction Reaction. <i>Energy Technology</i> , 2021 , 9, 2100035	3.5	5
317	CoMn ₂ O ₄ supported on carbon nanotubes for effective low-temperature HCHO removal. <i>Journal of Alloys and Compounds</i> , 2021 , 859, 157808	5.7	4
316	Non Noble-Metal Copper-Cobalt Bimetallic Catalyst for Efficient Catalysis of the Hydrogenolysis of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran under Mild Conditions. <i>ACS Omega</i> , 2021 , 6, 10910-10920	3.9	1
315	Highly Enhanced Methanol Electrooxidation on Pt/NiNT-Decorated FeP**. <i>ChemElectroChem</i> , 2021 , 8, 2442-2448	4.3	1
314	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> , 2021 , 293, 120430	7.1	3
313	Bi-functional particles for integrated thermo-chemical processes: Catalysis and beyond. <i>Particuology</i> , 2021 , 56, 10-32	2.8	5

312	Pt@calcium cobaltate enables sorption-enhanced steam reforming of glycerol coupled with chemical-looping CH ₄ combustion. <i>AIChE Journal</i> , 2021 , 67, e17383	3.6	0
311	Design, Synthesis and Antibacterial Activity of Novel Pyrimidine-Containing 4H-Chromen-4-One Derivatives*. <i>Chemistry and Biodiversity</i> , 2021 , 18, e2100186	2.5	0
310	Inhibitory effect of Zn ²⁺ on the chain-initiation process of cumene oxidation. <i>International Journal of Quantum Chemistry</i> , 2021 , 121, e26780	2.1	3
309	Photocatalysis over MXene-based hybrids: Synthesis, surface chemistry, and interfacial charge kinetics. <i>APL Materials</i> , 2021 , 9, 070703	5.7	9
308	Radical Propagation Facilitating Aerobic Oxidation of Substituted Aromatics Promoted by Tert-Butyl Hydroperoxide. <i>ChemistrySelect</i> , 2021 , 6, 6895-6903	1.8	1
307	Mechanistic Insights into the Electrochemical Reduction of CO and N on the Regulation of a Boron Nitride Defect-Derived Two-Dimensional Catalyst using Density Functional Theory Calculations. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 7151-7158	6.4	2
306	Selective oxidation of glycerol over supported noble metal catalysts. <i>Catalysis Today</i> , 2021 , 365, 162-171	5.3	14
305	FeCo alloy@N-doped graphitized carbon as an efficient cocatalyst for enhanced photocatalytic H ₂ evolution by inducing accelerated charge transfer. <i>Journal of Energy Chemistry</i> , 2021 , 52, 92-101	12	20
304	Effects of colloidal silica on the properties of POSS-containing fluorinated poly(styrene- <i>co</i> -acrylate)/SiO ₂ composite materials 2021 , 18, 107-116		
303	CdS@Ni ₃ S ₂ for efficient and stable photo-assisted electrochemical (P-EC) overall water splitting. <i>Chemical Engineering Journal</i> , 2021 , 405, 126231	14.7	18
302	Surface-structure sensitive chemical diffusivity and reactivity of CO adsorbates on noble metal electrocatalysts. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119522	21.8	5
301	New Understanding of Selective Aerobic Oxidation of Ethylbenzene Catalyzed by Nitrogen-doped Carbon Nanotubes. <i>ChemCatChem</i> , 2021 , 13, 646-655	5.2	10
300	Enhanced photocatalytic CO ₂ reduction in H ₂ O vapor by atomically thin Bi ₂ WO ₆ nanosheets with hydrophobic and nonpolar surface. <i>Applied Catalysis B: Environmental</i> , 2021 , 283, 119630	21.8	45
299	Antimicrobial evaluation of myricetin derivatives containing benzimidazole skeleton against plant pathogens. <i>Fitoterapia</i> , 2021 , 149, 104804	3.2	5
298	Surface oxidized nano-cobalt wrapped by nitrogen-doped carbon nanotubes for efficient purification of organic wastewater. <i>Separation and Purification Technology</i> , 2021 , 259, 118098	8.3	14
297	Synthesis and antibacterial activity of novel myricetin derivatives containing sulfonylpiperazine. <i>Chemical Papers</i> , 2021 , 75, 1021-1027	1.9	3
296	Green synthesis of iron and nitrogen co-doped porous carbon via pyrolysing lotus root as a high-performance electrocatalyst for oxygen reduction reaction. <i>International Journal of Energy Research</i> , 2021 , 45, 10393-10408	4.5	6
295	Understanding the Catalytic Sites in Porous Hexagonal Boron Nitride for the Epoxidation of Styrene. <i>ACS Catalysis</i> , 2021 , 11, 8872-8880	13.1	7

294	Boosting photocatalytic hydrogen evolution using a noble-metal-free co-catalyst: CuNi@C with oxygen-containing functional groups. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120139	21.8	21
293	The PhoPR two-component system responds to oxygen deficiency and regulates the pathways for energy supply in <i>Corynebacterium glutamicum</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2021 , 37, 160	4.4	
292	Antibacterial and Antiviral Activities of 1,3,4-Oxadiazole Thioether 4-Chromen-4-one Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 11085-11094	5.7	8
291	Engineering highly active Ag/Nb ₂ O ₅ @Nb ₂ CT (MXene) photocatalysts via steering charge kinetics strategy. <i>Chemical Engineering Journal</i> , 2021 , 421, 128766	14.7	18
290	Essential analysis of cyclic voltammetry of methanol electrooxidation using the differential electrochemical mass spectrometry. <i>Journal of Power Sources</i> , 2021 , 509, 230397	8.9	1
289	Platinum-based ternary catalysts for the electrooxidation of ethanol. <i>Particuology</i> , 2021 , 58, 169-186	2.8	9
288	Wearable self-powered human motion sensors based on highly stretchable quasi-solid state hydrogel. <i>Nano Energy</i> , 2021 , 88, 106272	17.1	10
287	The zinc vacancy induced CdS/ZnS Z-scheme structure as a highly stable photocatalyst for hydrogen production. <i>Journal of Alloys and Compounds</i> , 2021 , 888, 161620	5.7	4
286	Wheat-Flour-Derived Magnetic Porous Carbons by CaCl ₂ -Activation and their Application in Cr(VI) Removal. <i>ChemistrySelect</i> , 2021 , 6, 13215-13223	1.8	
285	MnO-decorated N-doped carbon nanotube with boosted activity for low-temperature oxidation of formaldehyde. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122750	12.8	31
284	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 & Interfaces</i> , 2020 , 12, 30466-30474	8.5	14
283	Trace amounts of Cu(OAc) ₂ boost the efficiency of cumene oxidation catalyzed by carbon nanotubes washed with HCl. <i>Catalysis Science and Technology</i> , 2020 , 10, 2523-2530	5.5	8
282	Mechanistic Insights into the Electrochemical Reduction of CO ₂ on Cyclo[18]carbon using Density Functional Theory Calculations. <i>ChemElectroChem</i> , 2020 , 7, 1838-1842	4.3	11
281	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> , 2020 , 8, 4537-4546	8.3	30
280	Highly exposed (001) facets Ni(OH) ₂ induced formation of nickel phosphide over cadmium sulfide nanorods for efficient photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 9397-9407	6.7	16
279	Energy-efficient catalytic removal of formaldehyde enabled by precisely Joule-heated Ag/Co ₃ O ₄ @mesoporous-carbon monoliths. <i>Carbon</i> , 2020 , 167, 709-717	10.4	13
278	Metal-free carbocatalysis for electrochemical oxygen reduction reaction: Activity origin and mechanism. <i>Journal of Energy Chemistry</i> , 2020 , 48, 308-321	12	40
277	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> , 2020 , 566, 46-59	9.3	10

276	Enhancing hydrogen evolution reaction through modulating electronic structure of self-supported NiFe LDH. <i>Catalysis Science and Technology</i> , 2020 , 10, 4184-4190	5.5	29
275	Selective Catalytic Oxidation of Benzyl Alcohol to Benzaldehyde by Nitrates. <i>Frontiers in Chemistry</i> , 2020 , 8, 151	5	6
274	Antibacterial Activities of Novel Dithiocarbamate-Containing 4-Chromen-4-one Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 5641-5647	5.7	19
273	Enhancing Catalytic Activity and Selectivity by Plasmon-Induced Hot Carriers. <i>IScience</i> , 2020 , 23, 101107	6.1	4
272	Heat-regulating effects of inert salts on magnesiothermic reduction preparation of silicon nanopowder for lithium storage. <i>Ionics</i> , 2020 , 26, 1249-1259	2.7	2
271	A novel bicomponent Co ₃ S ₄ /Co@C cocatalyst on CdS, accelerating charge separation for highly efficient photocatalytic hydrogen evolution. <i>Green Chemistry</i> , 2020 , 22, 238-247	10	42
270	Synergistic Effect of Nitrogen Dopants on Carbon Nanotubes on the Catalytic Selective Epoxidation of Styrene. <i>ACS Catalysis</i> , 2020 , 10, 129-137	13.1	32
269	Bifunctional CdS@Co ₉ S ₈ /Ni ₃ S ₂ catalyst for efficient electrocatalytic and photo-assisted electrocatalytic overall water splitting. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3083-3096	13	43
268	Chlorine-Promoted Nitrogen and Sulfur Co-Doped Biocarbon Catalyst for Electrochemical Carbon Dioxide Reduction. <i>ChemElectroChem</i> , 2020 , 7, 320-327	4.3	9
267	Understanding of nitrogen fixation electro catalyzed by molybdenum iron carbide through the experiment and theory. <i>Nano Energy</i> , 2020 , 68, 104374	17.1	32
266	Effect of Experimental Operations on the Limiting Current Density of Oxygen Reduction Reaction Evaluated by Rotating-Disk Electrode. <i>ChemElectroChem</i> , 2020 , 7, 1107-1114	4.3	21
265	Identification, repair and characterization of a benzyl alcohol-inducible promoter for recombinant proteins overexpression in <i>Corynebacterium glutamicum</i> . <i>Enzyme and Microbial Technology</i> , 2020 , 141, 109651	3.8	2
264	Regulating Electron-Hole Separation to Promote Photocatalytic H Evolution Activity of Nanoconfined Ru/MXene/TiO Catalysts. <i>ACS Nano</i> , 2020 , 14, 14181-14189	16.7	74
263	Production of high-purity hydrogen from paper recycling black liquor via sorption enhanced steam reforming. <i>Green Energy and Environment</i> , 2020 , 6, 771-771	5.7	2
262	Oxygen Doping in Graphitic Carbon Nitride for Enhanced Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2020 , 13, 5041-5049	8.3	17
261	Pseudorabies virus production using a serum-free medium in fixed-bed bioreactors with low cell inoculum density. <i>Biotechnology Letters</i> , 2020 , 42, 2551-2560	3	1
260	Biomass-Derived Nitrogen-Doped Porous Carbons Activated by Magnesium Chloride as Ultrahigh-Performance Supercapacitors. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 21756-21767	3.9	7
259	Co ₃ O ₄ -Supported Platinum Catalyst: Synergistic Effect on the Aerobic Oxidation of Glycerol. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 19062-19071	8.3	3

258	Phosphorus doped Co ₉ S ₈ @CS as an excellent air-electrode catalyst for zinc-air batteries. <i>Chemical Engineering Journal</i> , 2020 , 381, 122683	14.7	38
257	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> , 2020 , 44, 106-114	14.7	35
256	Theoretical calculations and controllable synthesis of MoSe ₂ /CdS-CdSe with highly active sites for photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2020 , 383, 123133	14.7	16
255	Production Process Development of Pseudorabies Virus Vaccine by Using a Novel Scale-Down Model of a Fixed-Bed Bioreactor. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 959-965	3.9	2
254	Syngas production by dry reforming of the mixture of glycerol and ethanol with CaCO ₃ . <i>Journal of Energy Chemistry</i> , 2020 , 43, 90-97	12	33
253	Designing efficient TiO ₂ -based photoelectrocatalysis systems for chemical engineering and sensing. <i>Chemical Engineering Journal</i> , 2020 , 381, 122605	14.7	45
252	Hydrogen Production from Sorption-Enhanced Steam Reforming of Phenol over a Ni/CaAlO ₃ Bifunctional Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 7111-7120	8.3	16
251	Photoelectrochemical detection of ultra-trace fluorine ion using TiO nanorod arrays as a probe.. <i>RSC Advances</i> , 2019 , 9, 26712-26717	3.7	3
250	Electron-Rich Ruthenium on Nitrogen-Doped Carbons Promoting Levulinic Acid Hydrogenation to γ -Valerolactone: Effect of Metal Support Interaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16501-16510	8.3	32
249	Combining large-scale screening and machine learning to predict the metal-organic frameworks for organosulfurs removal from high-sour natural gas. <i>APL Materials</i> , 2019 , 7, 091101	5.7	11
248	Electronic synergism of pyridinic- and graphitic-nitrogen on N-doped carbons for the oxygen reduction reaction. <i>Chemical Science</i> , 2019 , 10, 1589-1596	9.4	97
247	CdS@Ni ₃ S ₂ core-shell nanorod arrays on nickel foam: a multifunctional catalyst for efficient electrochemical catalytic, photoelectrochemical and photocatalytic H ₂ production reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2560-2574	13	56
246	Elucidating Interaction between Palladium and N-Doped Carbon Nanotubes: Effect of Electronic Property on Activity for Nitrobenzene Hydrogenation. <i>ACS Catalysis</i> , 2019 , 9, 2893-2901	13.1	63
245	Recent advances in metal sulfides: from controlled fabrication to electrocatalytic, photocatalytic and photoelectrochemical water splitting and beyond. <i>Chemical Society Reviews</i> , 2019 , 48, 4178-4280	58.5	463
244	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> , 2019 , 7, 10951-10961	8.3	12
243	Revealing active-site structure of porous nitrogen-defected carbon nitride for highly effective photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2019 , 373, 687-699	14.7	43
242	CdS branched TiO ₂ : Rods-on-rods nanoarrays for efficient photoelectrochemical (PEC) and self-bias photocatalytic (PC) hydrogen production. <i>Journal of Power Sources</i> , 2019 , 430, 32-42	8.9	25
241	Calcium Chloride Activation of Mung Bean: A Low-Cost, Green Route to N-Doped Porous Carbon for Supercapacitors. <i>ChemistrySelect</i> , 2019 , 4, 3432-3439	1.8	10

240	Low-overpotential selective reduction of CO ₂ to ethanol on electrodeposited Cu _x Au _y nanowire arrays. <i>Journal of Energy Chemistry</i> , 2019 , 37, 176-182	12	34
239	Z-scheme Bi ₂ WO ₆ /CuBi ₂ O ₄ heterojunction mediated by interfacial electric field for efficient visible-light photocatalytic degradation of tetracycline. <i>Chemical Engineering Journal</i> , 2019 , 369, 292-301	14.7	152
238	Efficient electrochemical reduction of CO ₂ into CO promoted by sulfur vacancies. <i>Nano Energy</i> , 2019 , 60, 43-51	17.1	90
237	Tailoring the geometric and electronic structure of tungsten oxide with manganese or vanadium doping toward highly efficient electrochemical and photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6161-6172	13	38
236	Competitive adsorption on single-atom catalysts: Mechanistic insights into the aerobic oxidation of alcohols over CoNC. <i>Journal of Catalysis</i> , 2019 , 377, 283-292	7.3	22
235	Preparation of CdS-CoS _x photocatalysts and their photocatalytic and photoelectrochemical characteristics for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 27795-27805	6.7	14
234	Magnetic Fe ₃ C@C nanoparticles as a novel cocatalyst for boosting visible-light-driven photocatalytic performance of g-C ₃ N ₄ . <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 26970-26981	6.7	22
233	Mechanistic Insights into Cyclic Voltammograms on Pt(111): Kinetics Simulations. <i>ChemPhysChem</i> , 2019 , 20, 2791-2798	3.2	3
232	Manipulating photocatalytic pathway and activity of ternary Cu ₂ O/(001)TiO ₂ @Ti ₃ C ₂ T _x catalysts for H ₂ evolution: Effect of surface coverage. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 29975-29985	6.7	29
231	Computational Screening of Metal-Organic Framework Membranes for the Separation of 15 Gas Mixtures. <i>Nanomaterials</i> , 2019 , 9,	5.4	13
230	MoS ₂ supported on hydrogenated TiO ₂ heterostructure film as photocathode for photoelectrochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 31008-31019	6.7	11
229	A Non-Noble Monometallic Catalyst Derived from Cu-MOFs for Highly Selective Hydrogenation of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran. <i>ChemistrySelect</i> , 2019 , 4, 13517-13524	1.8	8
228	2H- and 1T- mixed phase few-layer MoS ₂ as a superior to Pt co-catalyst coated on TiO ₂ nanorod arrays for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 241, 236-245	21.8	160
227	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> , 2019 , 360, 47-53	14.7	22
226	Superoxide Decay Pathways in Oxygen Reduction Reaction on Carbon-Based Catalysts Evidenced by Theoretical Calculations. <i>ChemSusChem</i> , 2019 , 12, 1133-1138	8.3	12
225	Highly efficient and acid-corrosion resistant nitrogen doped magnetic carbon nanotubes for the hexavalent chromium removal with subsequent reutilization. <i>Chemical Engineering Journal</i> , 2019 , 361, 547-558	14.7	26
224	Mn ₃ O ₄ @C Nanoparticles Supported on Porous Carbon as Bifunctional Oxygen Electrodes and their Electrocatalytic Mechanism. <i>ChemElectroChem</i> , 2019 , 6, 359-368	4.3	17
223	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> , 2019 , 34, 33-42	12	22

222	ZnO/CdS/PbS nanotube arrays with multi-heterojunctions for efficient visible-light-driven photoelectrochemical hydrogen evolution. <i>Chemical Engineering Journal</i> , 2019 , 362, 658-666	14.7	56
221	Controllable preparation of hollow fibrous (hbox {SrCO}_{{3}}). <i>Bulletin of Materials Science</i> , 2019 , 42, 1	1.7	2
220	Cobalt and cobalt oxide supported on nitrogen-doped porous carbon as electrode materials for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 3649-3657	6.7	10
219	Triple deletion of clpC, porB, and mepA enhances production of small ubiquitin-like modifier-N-terminal pro-brain natriuretic peptide in <i>Corynebacterium glutamicum</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 67-79	4.2	10
218	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> , 2019 , 538, 327-339	8.3	15
217	Catalytic wet air oxidation of phenol over carbon nanotubes: Synergistic effect of carboxyl groups and edge carbons. <i>Carbon</i> , 2018 , 133, 464-473	10.4	28
216	Co9S8-porous carbon spheres as bifunctional electrocatalysts with high activity and stability for oxygen reduction and evolution reactions. <i>Electrochimica Acta</i> , 2018 , 265, 32-40	6.7	42
215	Calcium cobaltate: a phase-change catalyst for stable hydrogen production from bio-glycerol. <i>Energy and Environmental Science</i> , 2018 , 11, 660-668	35.4	29
214	A robust approach to fabricate CZTSSe absorber layer for solar cells via a self-selenizations process conducted by concentrated selenium solution. <i>Materials Research Express</i> , 2018 , 5, 016413	1.7	7
213	Design of cocatalyst loading position for photocatalytic water splitting into hydrogen in electrolyte solutions. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 5551-5560	6.7	23
212	Enhanced activity of Pt/CNTs anode catalyst for direct methanol fuel cells using Ni2P as co-catalyst. <i>Applied Surface Science</i> , 2018 , 434, 534-539	6.7	16
211	Novel Highly Active Anatase/Rutile TiO2 Photocatalyst with Hydrogenated Heterophase Interface Structures for Photoelectrochemical Water Splitting into Hydrogen. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 10823-10832	8.3	48
210	Valorization of Biomass Hydrolysis Waste: Activated Carbon from Humins as Exceptional Sorbent for Wastewater Treatment. <i>Sustainability</i> , 2018 , 10, 1795	3.6	15
209	A hydrothermal etching route to synthesis of 2D MXene (Ti3C2, Nb2C): Enhanced exfoliation and improved adsorption performance. <i>Ceramics International</i> , 2018 , 44, 18886-18893	5.1	145
208	Hydrogenated CdS nanorods arrays/FTO film: A highly stable photocatalyst for photocatalytic H2 production. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 17696-17707	6.7	14
207	High efficiency photocatalytic hydrogen production over ternary Cu/TiO2@Ti3C2Tx enabled by low-work-function 2D titanium carbide. <i>Nano Energy</i> , 2018 , 53, 97-107	17.1	187
206	Revealing the Relationship between Photocatalytic Properties and Structure Characteristics of TiO Reduced by Hydrogen and Carbon Monoxide Treatment. <i>ChemSusChem</i> , 2018 , 11, 2766-2775	8.3	32
205	A kinetics study on cumene oxidation catalyzed by carbon nanotubes: Effect of N-doping. <i>Chemical Engineering Science</i> , 2018 , 177, 391-398	4.4	24

204	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> , 2018 , 42, 18837-18843	3.6	13
203	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> , 2018 , 6, 15108-15118	8.3	35
202	Dual Functional CuO _{1-x} Clusters for Enhanced Photocatalytic Activity and Stability of a Pt Cocatalyst in an Overall Water-Splitting Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 17340-17351	8.3	11
201	Electrochemical Reduction of CO into Tunable Syngas Production by Regulating the Crystal Facets of Earth-Abundant Zn Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20530-20539	9.5	86
200	Hexavalent chromium removal over magnetic carbon nanoadsorbents: synergistic effect of fluorine and nitrogen co-doping. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13062-13074	13	130
199	(111) TiO _{2-x} /Ti ₃ C ₂ : Synergy of active facets, interfacial charge transfer and Ti ³⁺ doping for enhance photocatalytic activity. <i>Materials Research Bulletin</i> , 2017 , 89, 16-25	5.1	121
198	Controllable Preparation of Holey Graphene and Electrocatalytic Performance for Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , 2017 , 228, 203-213	6.7	22
197	Co-Cu-CaO catalysts for high-purity hydrogen from sorption-enhanced steam reforming of glycerol. <i>Applied Catalysis A: General</i> , 2017 , 533, 9-16	5.1	32
196	Electron transfer dependent catalysis of Pt on N-doped carbon nanotubes: Effects of synthesis method on metal-support interaction. <i>Journal of Catalysis</i> , 2017 , 348, 100-109	7.3	94
195	Highly uniform and monodisperse carbon nanospheres enriched with cobalt/nitrogen active sites as a potential oxygen reduction electrocatalyst. <i>Journal of Power Sources</i> , 2017 , 346, 80-88	8.9	40
194	Carbokatalyse in Flüssigphasenreaktionen. <i>Angewandte Chemie</i> , 2017 , 129, 956-985	3.6	30
193	New route of fabricating BiOI and Bi ₂ O ₃ supported TiO ₂ nanotube arrays via the electrodeposition of bismuth nanoparticles for photocatalytic degradation of acid orange II. <i>Materials Chemistry and Physics</i> , 2017 , 196, 237-244	4.4	21
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191	Sorption-enhanced steam reforming of glycerol over NiCuCaAl catalysts for producing fuel-cell grade hydrogen. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 17446-17456	6.7	22
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47	Nanosized TiO ₂ synthesis by EbCDAB microemulsion. <i>Journal of Chemical Technology and Biotechnology</i> , 2010 , 85, 860-865	3.5	2
46	Reaction/separation coupled equilibrium modeling of steam methane reforming in fluidized bed membrane reactors. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 11798-11809	6.7	12
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40	Preparation of cuprous oxides with different sizes and their behaviors of adsorption, visible-light driven photocatalysis and photocorrosion. <i>Solid State Sciences</i> , 2009 , 11, 129-138	3.4	248
39	Preparation of $\text{Na}_x\text{Ba}_y\text{BiO}_3 \cdot n\text{H}_2\text{O}$ and their photooxidation characteristic under visible-light irradiation. <i>Materials Chemistry and Physics</i> , 2009 , 116, 294-299	4.4	16
38	Hydrogen production via autothermal reforming of ethanol over noble metal catalysts supported on oxides. <i>Journal of Natural Gas Chemistry</i> , 2009 , 18, 191-198		29
37	One-Step Synthesis and Characterization of Gold-Hollow PbS_x Hybrid Nanoparticles. <i>Angewandte Chemie</i> , 2009 , 121, 4051-4055	3.6	2
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31	Selective etching of gold nanorods by ferric chloride at room temperature. <i>CrystEngComm</i> , 2009 , 11, 2797	3.3	94
30	Comparative study of hemicelluloses obtained by graded ethanol precipitation from sugarcane bagasse. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 6305-17	5.7	256
29	Capacitance dependent catalytic activity of $\text{RuO}_2 \cdot x\text{H}_2\text{O}/\text{CNT}$ nanocatalysts for aerobic oxidation of benzyl alcohol. <i>Chemical Communications</i> , 2009 , 2408-10	5.8	31
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