

Geoffrey In Waterhouse

List of Publications by Year in descending order

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342
papers

32,335
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3530

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times ranked

28923
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#	ARTICLE	IF	CITATIONS
1	Alkali-Assisted Synthesis of Nitrogen Deficient Graphitic Carbon Nitride with Tunable Band Structures for Efficient Visible-Light-Driven Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1605148.	21.0	1,616
2	The effect of gold loading and particle size on photocatalytic hydrogen production from ethanol over Au/TiO ₂ nanoparticles. <i>Nature Chemistry</i> , 2011, 3, 489-492.	13.6	1,090
3	Tuning Oxygen Vacancies in Ultrathin TiO ₂ Nanosheets to Boost Photocatalytic Nitrogen Fixation up to 700 nm. <i>Advanced Materials</i> , 2019, 31, e1806482.	21.0	732
4	Nitrogen-Doped Porous Carbon Nanosheets Templated from g-C ₃ N ₄ as Metal-Free Electrocatalysts for Efficient Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2016, 28, 5080-5086.	21.0	718
5	Ni ₃ Fe Nanoparticles Derived from Ultrathin NiFe-Layered Double Hydroxide Nanosheets: An Efficient Overall Water Splitting Electrocatalyst. <i>Advanced Energy Materials</i> , 2016, 6, 1502585.	19.5	668
6	Well-Dispersed ZIF-Derived Co,Ni-Codoped Carbon Nanoframes through Mesoporous-Silica-Protected Calcination as Efficient Oxygen Reduction Electrocatalysts. <i>Advanced Materials</i> , 2016, 28, 1668-1674.	21.0	663
7	Smart Utilization of Carbon Dots in Semiconductor Photocatalysis. <i>Advanced Materials</i> , 2016, 28, 9454-9477.	21.0	622
8	Defect-Rich Ultrathin ZnAl-Layered Double Hydroxide Nanosheets for Efficient Photoreduction of CO ₂ to CO with Water. <i>Advanced Materials</i> , 2015, 27, 7824-7831.	21.0	608
9	Ultrafine NiO Nanosheets Stabilized by TiO ₂ from Monolayer NiTi-LDH Precursors: An Active Water Oxidation Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2016, 138, 6517-6524.	13.7	597
10	Precursor-reforming protocol to 3D mesoporous g-C ₃ N ₄ established by ultrathin self-doped nanosheets for superior hydrogen evolution. <i>Nano Energy</i> , 2017, 38, 72-81.	16.0	596
11	Defect-Engineered Ultrathin MnO ₂ Nanosheet Arrays as Bifunctional Electrodes for Efficient Overall Water Splitting. <i>Advanced Energy Materials</i> , 2017, 7, 1700005.	19.5	553
12	Layered Double Hydroxide Nanosheets as Efficient Visible-Light-Driven Photocatalysts for Dinitrogen Fixation. <i>Advanced Materials</i> , 2017, 29, 1703828.	21.0	524
13	A universal ligand mediated method for large scale synthesis of transition metal single atom catalysts. <i>Nature Communications</i> , 2019, 10, 4585.	12.8	441
14	NiFe Layered Double Hydroxide Nanoparticles on Co,Ni-Codoped Carbon Nanoframes as Efficient Bifunctional Catalysts for Rechargeable Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700467.	19.5	422
15	The thermal decomposition of silver (I, III) oxide: A combined XRD, FT-IR and Raman spectroscopic study. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 3838-3845.	2.8	392
16	Layered Double Hydroxide Nanostructured Photocatalysts for Renewable Energy Production. <i>Advanced Energy Materials</i> , 2016, 6, 1501974.	19.5	389
17	Ammonia Detection Methods in Photocatalytic and Electrocatalytic Experiments: How to Improve the Reliability of NH ₃ Production Rates?. <i>Advanced Science</i> , 2019, 6, 1802109.	11.2	379
18	A Simple Synthetic Strategy toward Defect-Rich Porous Monolayer NiFe-Layered Double Hydroxide Nanosheets for Efficient Electrocatalytic Water Oxidation. <i>Advanced Energy Materials</i> , 2019, 9, 1900881.	19.5	363

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19	Two-dimensional-related catalytic materials for solar-driven conversion of CO _x into valuable chemical feedstocks. <i>Chemical Society Reviews</i> , 2019, 48, 1972-2010.	38.1	350
20	MIL-101-Derived Mesoporous Carbon Supporting Highly Exposed Fe Single-Atom Sites as Efficient Oxygen Reduction Reaction Catalysts. <i>Advanced Materials</i> , 2021, 33, e2101038.	21.0	327
21	Self-Assembled Au/CdSe Nanocrystal Clusters for Plasmon-Mediated Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1700803.	21.0	311
22	Alumina-Supported CoFe Alloy Catalysts Derived from Layered-Double-Hydroxide Nanosheets for Efficient Photothermal CO ₂ Hydrogenation to Hydrocarbons. <i>Advanced Materials</i> , 2018, 30, 1704663.	21.0	309
23	A General Thermolabile Protecting Group Strategy for Organocatalytic Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2011, 133, 5806-5809.	13.7	307
24	The roles of metal co-catalysts and reaction media in photocatalytic hydrogen production: Performance evaluation of M/TiO ₂ photocatalysts (M = Pd, Pt, Au) in different alcohol-water mixtures. <i>Journal of Catalysis</i> , 2015, 329, 355-367.	6.2	307
25	Efficient wettability-controlled electroreduction of CO ₂ to CO at Au/C interfaces. <i>Nature Communications</i> , 2020, 11, 3028.	12.8	294
26	Defect Engineering in Photocatalytic Nitrogen Fixation. <i>ACS Catalysis</i> , 2019, 9, 9739-9750.	11.2	286
27	From Solar Energy to Fuels: Recent Advances in Light-Driven C ₁ Chemistry. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17528-17551.	13.8	285
28	Effect of alkali treatment on interfacial bonding in abaca fiber-reinforced composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 90, 589-597.	7.6	278
29	Sub-3 nm Ultrafine Monolayer Layered Double Hydroxide Nanosheets for Electrochemical Water Oxidation. <i>Advanced Energy Materials</i> , 2018, 8, 1703585.	19.5	274
30	Metal-Organic-Framework-Derived Mesoporous Carbon Nanospheres Containing Porphyrin-Like Metal Centers for Conformal Phototherapy. <i>Advanced Materials</i> , 2016, 28, 8379-8387.	21.0	264
31	Intrinsic Carbon-Defect-Driven Electrocatalytic Reduction of Carbon Dioxide. <i>Advanced Materials</i> , 2019, 31, e1808276.	21.0	263
32	Photocatalytic CO ₂ Reduction to CO over Ni Single Atoms Supported on Defect-Rich Zirconia. <i>Advanced Energy Materials</i> , 2020, 10, 2002928.	19.5	263
33	Pd Single-Atom Catalysts on Nitrogen-Doped Graphene for the Highly Selective Photothermal Hydrogenation of Acetylene to Ethylene. <i>Advanced Materials</i> , 2019, 31, e1900509.	21.0	262
34	Opal and inverse opal photonic crystals: Fabrication and characterization. <i>Polyhedron</i> , 2007, 26, 356-368.	2.2	260
35	Atomic Cation-Vacancy Engineering of NiFe-Layered Double Hydroxides for Improved Activity and Stability towards the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24612-24619.	13.8	259
36	Exploiting Ru-Induced Lattice Strain in CoRu Nanoalloys for Robust Bifunctional Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3290-3298.	13.8	254

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37	CdS Nanoparticle-Decorated Cd Nanosheets for Efficient Visible Light-Driven Photocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2016, 6, 1501241.	19.5	253
38	Two-dimensional photocatalyst design: A critical review of recent experimental and computational advances. <i>Materials Today</i> , 2020, 34, 78-91.	14.2	253
39	Oxidation of a polycrystalline silver foil by reaction with ozone. <i>Applied Surface Science</i> , 2001, 183, 191-204.	6.1	238
40	Catalytically Active Bimetallic Nanoparticles Supported on Porous Carbon Capsules Derived From Metal-Organic Framework Composites. <i>Journal of the American Chemical Society</i> , 2016, 138, 11872-11881.	13.7	237
41	Recent Progress in Photocatalytic CO ₂ Reduction Over Perovskite Oxides. <i>Solar Rrl</i> , 2017, 1, 1700126.	5.8	224
42	High-Efficiency Oxygen Reduction to Hydrogen Peroxide Catalyzed by Nickel Single-Atom Catalysts with Tetradentate N ₂ O ₂ Coordination in a Three-Phase Flow Cell. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13057-13062.	13.8	222
43	Selective photocatalytic CO ₂ reduction over Zn-based layered double hydroxides containing tri or tetravalent metals. <i>Science Bulletin</i> , 2020, 65, 987-994.	9.0	205
44	Photocatalytic ammonia synthesis: Recent progress and future. <i>EnergyChem</i> , 2019, 1, 100013.	19.1	204
45	Application of FT-IR and Raman spectroscopy for the study of biopolymers in breads fortified with fibre and polyphenols. <i>Food Research International</i> , 2013, 50, 574-585.	6.2	192
46	Supramolecular precursor strategy for the synthesis of holey graphitic carbon nitride nanotubes with enhanced photocatalytic hydrogen evolution performance. <i>Nano Research</i> , 2019, 12, 2385-2389.	10.4	192
47	Effect of gold loading and TiO ₂ support composition on the activity of Au/TiO ₂ photocatalysts for H ₂ production from ethanol-water mixtures. <i>Journal of Catalysis</i> , 2013, 305, 307-317.	6.2	189
48	Exploiting Ru-Induced Lattice Strain in CoRu Nanoalloys for Robust Bifunctional Hydrogen Production. <i>Angewandte Chemie</i> , 2021, 133, 3327-3335.	2.0	189
49	Alkali Etching of Layered Double Hydroxide Nanosheets for Enhanced Photocatalytic N ₂ Reduction to NH ₃ . <i>Advanced Energy Materials</i> , 2020, 10, 2002199.	19.5	185
50	Functionalized Iron-Nitrogen-Carbon Electrocatalyst Provides a Reversible Electron Transfer Platform for Efficient Uranium Extraction from Seawater. <i>Advanced Materials</i> , 2021, 33, e2106621.	21.0	184
51	Recent Advances in the Development of Single-Atom Catalysts for Oxygen Electrocatalysis and Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2003018.	19.5	181
52	Influence of alkali treatment on internal microstructure and tensile properties of abaca fibers. <i>Industrial Crops and Products</i> , 2015, 65, 27-35.	5.2	177
53	Efficient Photocatalytic Nitrogen Fixation over Cu ⁺ -Modified Defective ZnAl ₂ Layered Double Hydroxide Nanosheets. <i>Advanced Energy Materials</i> , 2020, 10, 1901973.	19.5	173
54	Multishelled Ni-Rich Li(Ni _x Co _y Mn _z)O ₂ Hollow Fibers with Low Cation Mixing as High-Performance Cathode Materials for Li-Ion Batteries. <i>Advanced Science</i> , 2017, 4, 1600262.	11.2	172

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55	Fermentation-enabled wellness foods: A fresh perspective. <i>Food Science and Human Wellness</i> , 2019, 8, 203-243.	4.9	172
56	Effect of Nitrogen Doping Level on the Performance of N-Doped Carbon Quantum Dot/TiO ₂ Composites for Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2017, 10, 4650-4656.	6.8	171
57	Mesopore-Rich Fe-N-C Catalyst with Fe ₄ Single-Atom Sites Delivers Remarkable Oxygen Reduction Reaction Performance in Alkaline Media. <i>Advanced Materials</i> , 2022, 34, e2202544.	21.0	168
58	Ni/TiO ₂ : A promising low-cost photocatalytic system for solar H ₂ production from ethanol-water mixtures. <i>Journal of Catalysis</i> , 2015, 326, 43-53.	6.2	162
59	Molten NaCl-Assisted Synthesis of Porous Fe-N-C Electrocatalysts with a High Density of Catalytically Accessible FeN ₄ Active Sites and Outstanding Oxygen Reduction Reaction Performance. <i>Advanced Energy Materials</i> , 2021, 11, 2100219.	19.5	160
60	Composition changes around sulphide inclusions in stainless steels, and implications for the initiation of pitting corrosion. <i>Corrosion Science</i> , 2010, 52, 3702-3716.	6.6	158
61	3D carbon nanoframe scaffold-immobilized Ni ₃ FeN nanoparticle electrocatalysts for rechargeable zinc-air batteries TM cathodes. <i>Nano Energy</i> , 2017, 40, 382-389.	16.0	153
62	Electrocatalytic Oxygen Reduction to Hydrogen Peroxide: From Homogeneous to Heterogeneous Electrocatalysis. <i>Advanced Energy Materials</i> , 2021, 11, 2003323.	19.5	150
63	Underwater superaerophobic Ni nanoparticle-decorated nickel-molybdenum nitride nanowire arrays for hydrogen evolution in neutral media. <i>Nano Energy</i> , 2020, 78, 105375.	16.0	148
64	Effect of TiO ₂ polymorph and alcohol sacrificial agent on the activity of Au/TiO ₂ photocatalysts for H ₂ production in alcohol-water mixtures. <i>Journal of Catalysis</i> , 2015, 329, 499-513.	6.2	142
65	Co-Based Catalysts Derived from Layered-Double-Hydroxide Nanosheets for the Photothermal Production of Light Olefins. <i>Advanced Materials</i> , 2018, 30, e1800527.	21.0	139
66	Sub-3 nm Ultrafine Cu ₂ O for Visible Light Driven Nitrogen Fixation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2554-2560.	13.8	134
67	Exploring the interactions between blackcurrant polyphenols, pectin and wheat biopolymers in model breads; a FTIR and HPLC investigation. <i>Food Chemistry</i> , 2012, 131, 802-810.	8.2	132
68	The role of CuO in promoting photocatalytic hydrogen production over TiO ₂ . <i>International Journal of Hydrogen Energy</i> , 2013, 38, 15036-15048.	7.1	129
69	The Journey toward Low Temperature, Low Pressure Catalytic Nitrogen Fixation. <i>Advanced Energy Materials</i> , 2020, 10, 2000659.	19.5	127
70	Black phosphorus quantum dot/g-C ₃ N ₄ composites for enhanced CO ₂ photoreduction to CO. <i>Science China Materials</i> , 2018, 61, 1159-1166.	6.3	126
71	Nucleation and Growth of Fe Nanoparticles in SiO ₂ : A TEM, XPS, and Fe L-Edge XANES Investigation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 20978-20985.	3.1	122
72	Room-temperature electrochemical acetylene reduction to ethylene with high conversion and selectivity. <i>Nature Catalysis</i> , 2021, 4, 565-574.	34.4	121

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73	Transforming insect biomass into consumer wellness foods: A review. Food Research International, 2016, 89, 129-151.	6.2	117
74	Ultrasmall Au nanoclusters for biomedical and biosensing applications: A mini-review. Talanta, 2019, 200, 432-442.	5.5	117
75	On the role of metal particle size and surface coverage for photo-catalytic hydrogen production: A case study of the Au/CdS system. Applied Catalysis B: Environmental, 2016, 182, 266-276.	20.2	115
76	Evolution of Zn(II) single atom catalyst sites during the pyrolysis-induced transformation of ZIF-8 to N-doped carbons. Science Bulletin, 2020, 65, 1743-1751.	9.0	115
77	Tubular assemblies of N-doped carbon nanotubes loaded with NiFe alloy nanoparticles as efficient bifunctional catalysts for rechargeable zinc-air batteries. Nanoscale, 2020, 12, 13129-13136.	5.6	110
78	Large-scale synthesis of N-doped carbon capsules supporting atomically dispersed iron for efficient oxygen reduction reaction electrocatalysis. EScience, 2022, 2, 227-234.	41.6	108
79	Photoelectrochemical biosensor for microRNA detection based on a MoS ₂ /g-C ₃ N ₄ /black TiO ₂ heterojunction with Histostar@AuNPs for signal amplification. Biosensors and Bioelectronics, 2019, 128, 137-143.	10.1	107
80	Tunable Synthesis of Hollow Metal@Nitrogen@Carbon Capsules for Efficient Oxygen Reduction Catalysis in Proton Exchange Membrane Fuel Cells. ACS Nano, 2019, 13, 8087-8098.	14.6	106
81	Oxygen chemisorption on an electrolytic silver catalyst: a combined TPD and Raman spectroscopic study. Applied Surface Science, 2003, 214, 36-51.	6.1	105
82	Exploiting Single Atom Iron Centers in a Porphyrin-like MOF for Efficient Cancer Phototherapy. ACS Applied Materials & Interfaces, 2019, 11, 35228-35237.	8.0	105
83	Hydrogen production by Tuning the Photonic Band Gap with the Electronic Band Gap of TiO ₂ . Scientific Reports, 2013, 3, 2849.	3.3	102
84	Activating Metal Oxides Nanocatalysts for Electrocatalytic Water Oxidation by Quenching-Induced Near-Surface Metal Atom Functionality. Journal of the American Chemical Society, 2021, 143, 14169-14177.	13.7	101
85	High surface area polypyrrole scaffolds for tunable drug delivery. International Journal of Pharmaceutics, 2013, 443, 163-168.	5.2	100
86	Reductive Transformation of Layered@Double@Hydroxide Nanosheets to Fe@Based Heterostructures for Efficient Visible@Light Photocatalytic Hydrogenation of CO. Advanced Materials, 2018, 30, e1803127.	21.0	100
87	Optimizing interfacial adhesion in PBAT/PLA nanocomposite for biodegradable packaging films. Food Chemistry, 2021, 334, 127487.	8.2	99
88	Performance comparison of Ni/TiO ₂ and Au/TiO ₂ photocatalysts for H ₂ production in different alcohol-water mixtures. Journal of Catalysis, 2018, 367, 27-42.	6.2	97
89	Highly Efficient Electrocatalytic Uranium Extraction from Seawater over an Amidoxime@Functionalized In@N@C Catalyst. Advanced Science, 2022, 9, .	11.2	97
90	Physical and Optical Properties of Inverse Opal CeO ₂ Photonic Crystals. Chemistry of Materials, 2008, 20, 1183-1190.	6.7	96

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91	Defective Porous Carbon Polyhedra Decorated with Copper Nanoparticles for Enhanced NIR-Driven Photothermal Cancer Therapy. <i>Small</i> , 2020, 16, e1905184.	10.0	95
92	Physicochemical Properties of Bread Dough and Finished Bread with Added Pectin Fiber and Phenolic Antioxidants. <i>Journal of Food Science</i> , 2011, 76, H97-H107.	3.1	92
93	Fe-Based Catalysts for the Direct Photohydrogenation of CO ₂ to Value-Added Hydrocarbons. <i>Advanced Energy Materials</i> , 2021, 11, 2002783.	19.5	90
94	Spray-Drying Microencapsulation of Polyphenol Bioactives: A Comparative Study Using Different Natural Fibre Polymers as Encapsulants. <i>Food and Bioprocess Technology</i> , 2013, 6, 2376-2388.	4.7	89
95	Photoreaction of ethanol on Au/TiO ₂ anatase: Comparing the micro to nanoparticle size activities of the support for hydrogen production. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 216, 250-255.	3.9	87
96	Protein Modification During Ingredient Preparation and Food Processing: Approaches to Improve Food Processability and Nutrition. <i>Food and Bioprocess Technology</i> , 2014, 7, 1853-1893.	4.7	86
97	Identification of post-digestion angiotensin-I converting enzyme (ACE) inhibitory peptides from soybean protein isolate: Their production conditions and in silico molecular docking with ACE. <i>Food Chemistry</i> , 2021, 345, 128855.	8.2	86
98	Novel Au/TiO ₂ photocatalysts for hydrogen production in alcohol-water mixtures based on hydrogen titanate nanotube precursors. <i>Journal of Catalysis</i> , 2015, 330, 238-254.	6.2	85
99	Naked-Magnetically Recyclable Mesoporous Au-Fe ₂ O ₃ Nanocrystal Clusters: A Highly Integrated Catalyst System. <i>Advanced Functional Materials</i> , 2017, 27, 1606215.	14.9	85
100	Engineering local coordination environments and site densities for high-performance Fe-N-C oxygen reduction reaction electrocatalysis. <i>SmartMat</i> , 2021, 2, 154-175.	10.7	81
101	Carbon Dots as New Building Blocks for Electrochemical Energy Storage and Electrocatalysis. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	81
102	A selective molecularly imprinted electrochemical sensor with GO@COF signal amplification for the simultaneous determination of sulfadiazine and acetaminophen. <i>Sensors and Actuators B: Chemical</i> , 2019, 300, 126993.	7.8	79
103	Ultrafine monolayer Co-containing layered double hydroxide nanosheets for water oxidation. <i>Journal of Energy Chemistry</i> , 2019, 34, 57-63.	12.9	78
104	Epitaxially Grown Heterostructured SrMn ₃ O ₆ -SrMnO ₃ with High-Valence Mn ^{3+/4+} for Improved Oxygen Reduction Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22043-22050.	13.8	78
105	Photolabile protecting groups in metal-organic frameworks: preventing interpenetration and masking functional groups. <i>Chemical Communications</i> , 2012, 48, 1574-1576.	4.1	77
106	Fe-CeO ₂ nanocomposites: an efficient and highly selective catalyst system for photothermal CO ₂ reduction to CO. <i>NPG Asia Materials</i> , 2020, 12, .	7.9	76
107	Structural and Electronic Engineering of Ir-Doped Ni-(Oxy)hydroxide Nanosheets for Enhanced Oxygen Evolution Activity. <i>ACS Catalysis</i> , 2021, 11, 5386-5395.	11.2	75
108	Enhancing the performance of konjac glucomannan films through incorporating zein-pectin nanoparticle-stabilized oregano essential oil Pickering emulsions. <i>Food Hydrocolloids</i> , 2022, 124, 107222.	10.7	75

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109	Three-dimensional electrochemical sensor with covalent organic framework decorated carbon nanotubes signal amplification for the detection of furazolidone. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128501.	7.8	73
110	Co-extrusion encapsulation of canola oil with alginate: Effect of quercetin addition to oil core and pectin addition to alginate shell on oil stability. <i>Food Research International</i> , 2013, 54, 837-851.	6.2	71
111	Visual and ratiometric fluorescence detection of Hg ²⁺ based on a dual-emission carbon dots-gold nanoclusters nanohybrid. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 1082-1089.	7.8	69
112	Photothermal hydrocarbon synthesis using alumina-supported cobalt metal nanoparticle catalysts derived from layered-double-hydroxide nanosheets. <i>Nano Energy</i> , 2019, 60, 467-475.	16.0	67
113	Photocatalytic H ₂ Production from Ethanol/Water Mixtures Over Pt/TiO ₂ and Au/TiO ₂ Photocatalysts: A Comparative Study. <i>Topics in Catalysis</i> , 2013, 56, 1139-1151.	2.8	66
114	General Synthetic Strategy for Libraries of Supported Multicomponent Metal Nanoparticles. <i>ACS Nano</i> , 2018, 12, 4594-4604.	14.6	66
115	Silica-Protected Ultrathin Ni ₃ FeN Nanocatalyst for the Efficient Hydrolytic Dehydrogenation of NH ₃ BH ₃ . <i>Advanced Energy Materials</i> , 2018, 8, 1702780.	19.5	66
116	In vivo anti-hyperuricemic and xanthine oxidase inhibitory properties of tuna protein hydrolysates and its isolated fractions. <i>Food Chemistry</i> , 2019, 272, 453-461.	8.2	66
117	Central metal and ligand effects on oxygen electrocatalysis over 3d transition metal single-atom catalysts: A theoretical investigation. <i>Chemical Engineering Journal</i> , 2022, 427, 132038.	12.7	65
118	Mechanism and active sites for the partial oxidation of methanol to formaldehyde over an electrolytic silver catalyst. <i>Applied Catalysis A: General</i> , 2004, 265, 85-101.	4.3	64
119	Polarity effects in the x-ray photoemission of ZnO and other wurtzite semiconductors. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	64
120	Novel three-dimensional electrochemical sensor with dual signal amplification based on MoS ₂ nanosheets and high-conductive NH ₂ -MWCNT@COF for sulfamerazine determination. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 107-114.	7.8	63
121	The reactions of water vapour on the surfaces of stoichiometric and reduced uranium dioxide: A high resolution XPS study. <i>Catalysis Today</i> , 2007, 120, 151-157.	4.4	62
122	Effect of adding elderberry juice concentrate on the quality attributes, polyphenol contents and antioxidant activity of three fibre-enriched pastas. <i>Food Research International</i> , 2013, 54, 781-789.	6.2	60
123	Evolution of thiolate-stabilized Ag nanoclusters from Ag-thiolate cluster intermediates. <i>Nature Communications</i> , 2018, 9, 2379.	12.8	60
124	A novel photoelectrochemical biosensor for the sensitive detection of dual microRNAs using molybdenum carbide nanotubes as nanocarriers and energy transfer between CQDs and AuNPs. <i>Chemical Engineering Journal</i> , 2019, 365, 351-357.	12.7	57
125	Recent advances in niobium-based semiconductors for solar hydrogen production. <i>Coordination Chemistry Reviews</i> , 2020, 419, 213399.	18.8	57
126	Manganese Oxide Modified Nickel Catalysts for Photothermal CO Hydrogenation to Light Olefins. <i>Advanced Energy Materials</i> , 2020, 10, 1902860.	19.5	56

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127	Porous Fe ₃ O ₄ /C microspheres for efficient broadband electromagnetic wave absorption. <i>Ceramics International</i> , 2018, 44, 19171-19183.	4.8	55
128	Effects of added fruit polyphenols and pectin on the properties of finished breads revealed by HPLC/LC-MS and Size-Exclusion HPLC. <i>Food Research International</i> , 2011, 44, 3047-3056.	6.2	54
129	The reactions of ethanol on TiO ₂ and Au/TiO ₂ anatase catalysts. <i>Catalysis Today</i> , 2012, 182, 16-24.	4.4	54
130	Highly efficient electrocatalytic hydrogen evolution promoted by Mo-C interfaces of ultrafine Mo ₂ C nanostructures. <i>Chemical Science</i> , 2020, 11, 3523-3530.	7.4	54
131	Spray-Drying of Green or Gold Kiwifruit Juice-Milk Mixtures; Novel Formulations and Processes to Retain Natural Fruit Colour and Antioxidants. <i>Food and Bioprocess Technology</i> , 2015, 8, 191-207.	4.7	53
132	Photoelectrochemical biosensor for hydroxymethylated DNA detection and T4-glucosyltransferase activity assay based on WS ₂ nanosheets and carbon dots. <i>Biosensors and Bioelectronics</i> , 2019, 127, 38-44.	10.1	52
133	Metal Particle Size Effects on the Photocatalytic Hydrogen Ion Reduction. <i>ACS Catalysis</i> , 2019, 9, 3946-3958.	11.2	51
134	Electro-responsive macroporous polypyrrole scaffolds for triggered dexamethasone delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 419-426.	4.3	49
135	A novel electrochemiluminescence biosensor for the detection of 5-methylcytosine, TET 1 protein and T4-glucosyltransferase activities based on gold nanoclusters-H ₂ O ₂ system. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 144-151.	7.8	49
136	Hollow PtFe Alloy Nanoparticles Derived from Pt ₃ O ₄ Dimers through a Silica-Protection Reduction Strategy as Efficient Oxygen Reduction Electrocatalysts. <i>Chemistry - A European Journal</i> , 2020, 26, 4090-4096.	3.3	49
137	A highly sensitive electrochemical sensor containing nitrogen-doped ordered mesoporous carbon (NOMC) for voltammetric determination of L-tryptophan. <i>Food Chemistry</i> , 2020, 326, 126976.	8.2	49
138	Photoelectrochemical biosensor for 5hmC detection based on the photocurrent inhibition effect of ZnO on MoS ₂ /C ₃ N ₄ heterojunction. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111516.	10.1	48
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