Geoffrey In Waterhouse

List of Publications by Year
in descending order

342 papers	32,335 citations	4103 90 h-index	5622 168 g-index
344 all docs	344 docs citations	344 times ranked	32552 citing authors

#	Article	IF	Citations
1	Recent advances in utilization of pectins in biomedical applications: a review focusing on molecular structure-directing health-promoting properties. Critical Reviews in Food Science and Nutrition, 2023, 63, 3386-3419.	5.4	15
2	The diffraction behavior of crystalline colloidal arrays formed by poly(styrene-co-sodium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (s	0.3	0
3	Improving the color and functional properties of seabuckthorn seed protein with phytase treatment combined with alkaline solubilization and isoelectric precipitation. Journal of the Science of Food and Agriculture, 2022, 102, 931-939.	1.7	2
4	Cage-like eggshell membrane-derived Co-CoxSy-Ni/N,S-codoped carbon composites for electromagnetic wave absorption. Chemical Engineering Journal, 2022, 430, 132650.	6.6	25
5	A surface-imprinted surface-enhanced Raman scattering sensor for histamine detection based on dual semiconductors and Ag nanoparticles. Food Chemistry, 2022, 369, 130971.	4.2	29
6	Central metal and ligand effects on oxygen electrocatalysis over 3d transition metal single-atom catalysts: A theoretical investigation. Chemical Engineering Journal, 2022, 427, 132038.	6.6	65
7	Mixed matrix of MOF@COF hybrids for enrichment and determination of phenoxy carboxylic acids in water and vegetables. Food Chemistry, 2022, 371, 131090.	4.2	19
8	Enhancing the performance of konjac glucomannan films through incorporating zeinâ€“pectin nanoparticle-stabilized oregano essential oil Pickering emulsions. Food Hydrocolloids, 2022, 124, 107222.	5.6	75
9	Efficient photoelectrocatalytic degradation of azo-dyes over polypyrrole/titanium oxide/reduced graphene oxide electrodes under visible light: Performance evaluation and mechanism insights. Chemosphere, 2022, 288, 132509.	4.2	11
10	Sensitive analytical detection of nitrite using an electrochemical sensor with STAB-functionalized Nb2C@MWCNTs for signal amplification. Food Chemistry, 2022, 372, 131356.	4.2	24
11	Improving the electromagnetic wave absorption properties of zinc ferrite-containing N-doped carbon composites by the introduction of Fe4N. Journal of Alloys and Compounds, 2022, 900, 163355.	2.8	3
12	Efficient and Selective Hydrogenation of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran Over a Non-noble CoNCx/NiFeO Catalyst. Catalysis Letters, 2022, 152, 3400-3413.	1.4	5
13	Microbial-enabled green biosynthesis of nanomaterials: Current status and future prospects. Biotechnology Advances, 2022, 55, 107914.	6.0	31
14	Vertical graphene array for efficient electrocatalytic reduction of oxygen to hydrogen peroxide. Nano Energy, 2022, 96, 107046.	8.2	37
15	Porous three-dimensional poly(3,4-ethylenedioxythiophene)/K3Fe(CN)6 network as the solid contact layer in high stability Pb2+ ion-selective electrodes. Microchemical Journal, 2022, 177, 107279.	2.3	1
16	Large-scale synthesis of N-doped carbon capsules supporting atomically dispersed iron for efficient oxygen reduction reaction electrocatalysis. EScience, 2022, 2, 227-234.	25.0	108
17	Heterogeneous Co@N-doped carbon/MoxC@N-doped carbon nanoflowers for efficient electromagnetic wave absorption at microwave frequencies. Synthetic Metals, 2022, 287, 117052.	2.1	6
18	Method for loading liposomes with soybean protein isolate hydrolysate influences the antioxidant efficiency of liposomal systems: Adding after liposomes formation or before lipid film hydration. Food Hydrocolloids, 2022, 129, 107629.	5.6	8

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19	Green approaches for dietary fibre-rich polysaccharide production from the cooking liquid of Adzuki beans: Enzymatic extraction combined with ultrasonic or high-pressure homogenisation. Food Hydrocolloids, 2022, 130, 107679.	5.6	20
20	Carbon Dots as New Building Blocks for Electrochemical Energy Storage and Electrocatalysis. Advanced Energy Materials, 2022, 12, .	10.2	81
21	Hollow polypyrrole/Ni/PVDF microspheres for broadband microwave absorption via a spray phase inversion method. Journal of Materials Science, 2022, 57, 7570-7586.	1.7	3
22	Hydrogenolysis of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran Over a Modified CoAl-Hydrotalcite Catalyst. Frontiers in Chemistry, 2022, 10, .	1.8	11
23	Tailoring the microenvironment in Feâ€“Nâ€“C electrocatalysts for optimal oxygen reduction reaction performance. Science Bulletin, 2022, 67, 1264-1273.	4.3	36
24	NiFe Nanoalloys Derived from Layered Double Hydroxides for Photothermal Synergistic Reforming of CH₄ with CO₂. Advanced Functional Materials, 2022, 32, .	7.8	35
25	Prediction Model of Photodegradation for PBAT/PLA Mulch Films: Strategy to Fast Evaluate Service Life. Environmental Science & Technology, 2022, 56, 9041-9051.	4.6	25
26	Mesoporeâ€Rich Feâ€“Nâ€“C Catalyst with FeN₄â€“Oâ€“NC Singleâ€Atom Sites Delivers Remarkable Oxygen Reduction Reaction Performance in Alkaline Media. Advanced Materials, 2022, 34, e2202544.	11.1	168
27	Highly Efficient Electrocatalytic Uranium Extraction from Seawater over an Amidoximeâ€Functionalized Inâ€“Nâ€“C Catalyst. Advanced Science, 2022, 9, .	5.6	97
28	Selfâ€Supporting Carbon Nanofibers with Niâ€Singleâ€Atoms and Uniformly Dispersed Niâ€Nanoparticles as Scalable Multifunctional Hosts for High Energy Density Lithiumâ€Sulfur Batteries. Small, 2022, 18, .	5.2	22
29	Yeast fermentation of apple and grape pomaces affects subsequent aqueous pectin extraction: Composition, structure, functional and antioxidant properties of pectins. Food Hydrocolloids, 2022, 133, 107945.	5.6	26
30	Optimizing interfacial adhesion in PBAT/PLA nanocomposite for biodegradable packaging films. Food Chemistry, 2021, 334, 127487.	4.2	99
31	Multifunctional NiCoTiÂCatalyst Derived from Layered Double Hydroxides for Selective Hydrogenation of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran. Catalysis Letters, 2021, 151, 517-525.	1.4	17
32	ZnFe2O4@SiO2@Polypyrrole nanocomposites with efficient electromagnetic wave absorption properties in the K and Ka band regions. Ceramics International, 2021, 47, 1728-1739.	2.3	21
33	Soybean protein isolate hydrolysates-liposomes interactions under oxidation: Mechanistic insights into system stability. Food Hydrocolloids, 2021, 112, 106336.	5.6	14
34	Subâ€3 nm Ultrafine Cu₂O for Visible Light Driven Nitrogen Fixation. Angewandte Chemie - International Edition, 2021, 60, 2554-2560.	7.2	134
35	Anti-inflammatory and antioxidant effects of Chaetoglobosin Vb in LPS-induced RAW264.7Âcells: Achieved via the MAPK and NF-ÎºB signaling pathways. Food and Chemical Toxicology, 2021, 147, 111915.	1.8	30
36	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. Food Chemistry, 2021, 345, 128855.	4.2	86

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37	Two-stage selective enzymatic hydrolysis generates protein hydrolysates rich in Asn-Pro and Ala-His for enhancing taste attributes of soy sauce. Food Chemistry, 2021, 345, 128803.	4.2	26
38	Electrocatalytic Oxygen Reduction to Hydrogen Peroxide: From Homogeneous to Heterogeneous Electrocatalysis. Advanced Energy Materials, 2021, 11, 2003323.	10.2	150
39	Insight into the advantages of premixing yeast-wheat gluten and combining ultrasound and transglutaminase pretreatments in producing umami enzymatic protein hydrolysates. Food Chemistry, 2021, 342, 128317.	4.2	8
40	Subâ€3 nm Ultrafine Cu 2 O for Visible Light Driven Nitrogen Fixation. Angewandte Chemie, 2021, 133, 2584-2590.	1.6	13
41	Exploiting Ruâ€Induced Lattice Strain in CoRu Nanoalloys for Robust Bifunctional Hydrogen Production. Angewandte Chemie, 2021, 133, 3327-3335.	1.6	189
42	Ultrasensitive Electrochemiluminescence Immunosensor Based on a Three-Dimensional Flower-Like Manganese Dioxideâ€“Polyethyleneimineâ€“Palladium Nanocomposite as the Signal Label for Detection of Avian Leukosis Virus Subgroup J. Analytical Letters, 2021, 54, 1769-1782.	1.0	5
43	Exploiting Ruâ€Induced Lattice Strain in CoRu Nanoalloys for Robust Bifunctional Hydrogen Production. Angewandte Chemie - International Edition, 2021, 60, 3290-3298.	7.2	254
44	Efficient removal of cadmium ions from water by adsorption on a magnetic carbon aerogel. Environmental Science and Pollution Research, 2021, 28, 5149-5157.	2.7	21
45	Effects of edpetiline from Fritillaria on inflammation and oxidative stress induced by LPS stimulation in RAW264.7 macrophages. Acta Biochimica Et Biophysica Sinica, 2021, 53, 229-237.	0.9	7
46	Feâ€Based Catalysts for the Direct Photohydrogenation of CO₂ to Valueâ€Added Hydrocarbons. Advanced Energy Materials, 2021, 11, 2002783.	10.2	90
47	A novel covalent triazine framework developed for efficient determination of 1-naphthol in water. Environmental Science and Pollution Research, 2021, 28, 31185-31194.	2.7	8
48	ZnFe2O4@PDA@Polypyrrole composites with efficient electromagnetic wave absorption properties in the 18â€“40ÂGHz region. Journal of Materials Science, 2021, 56, 10876-10891.	1.7	16
49	Molten NaClâ€Assisted Synthesis of Porous Feâ€Nâ€C Electrocatalysts with a High Density of Catalytically Accessible FeN₄ÂActive Sites and Outstanding Oxygen Reduction Reaction Performance. Advanced Energy Materials, 2021, 11, 2100219.	10.2	160
50	Polypyrrole/Î³-Fe2O3/g-C3N4 nanocomposites for high-performance electromagnetic wave absorption. Synthetic Metals, 2021, 274, 116716.	2.1	28
51	Structural and Electronic Engineering of Ir-Doped Ni-(Oxy)hydroxide Nanosheets for Enhanced Oxygen Evolution Activity. ACS Catalysis, 2021, 11, 5386-5395.	5.5	75
52	MILâ€101â€Derived Mesoporous Carbon Supporting Highly Exposed Fe Singleâ€Atom Sites as Efficient Oxygen Reduction Reaction Catalysts. Advanced Materials, 2021, 33, e2101038.	11.1	327
53	Rationally Designed Niâ€“Ni₃S₂ Interfaces for Efficient Overall Water Electrolysis. Advanced Energy and Sustainability Research, 2021, 2, 2100078.	2.8	40
54	CeO₂@N/C@TiO₂ Coreâ€shell Nanosphere Catalyst for the Aerobic Oxidation of 5â€Hydroxymethylfurfural to 5â€Hydroxymethylâ€2â€Furancarboxylic Acid. ChemCatChem, 2021, 13, 2931-2941.	1.8	6

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55	Polyaniline/graphite carbon nitride composite coatings with outstanding photo-induced anodic antifouling and antibacterial properties under visible light. Progress in Organic Coatings, 2021, 154, 106203.	1.9	6
56	Performance matching between the surface structure of cucumber powdery mildew in different growth stages and the properties of surfactant solution. Pest Management Science, 2021, 77, 3538-3546.	1.7	6
57	Enhancing the properties of PBAT/PLA composites with novel phosphorus-based ionic liquid compatibilizers. Materials Today Communications, 2021, 27, 102407.	0.9	12
58	Engineering local coordination environments and site densities for highâ€performance Feâ€Nâ€C oxygen reduction reaction electrocatalysis. SmartMat, 2021, 2, 154-175.	6.4	81
59	Prediction of dairy powder functionality attributes using diffuse reflectance in the visible and near infrared (Vis-NIR) region. International Dairy Journal, 2021, 117, 104981.	1.5	6
60	Room-temperature electrochemical acetylene reduction to ethylene with high conversion and selectivity. Nature Catalysis, 2021, 4, 565-574.	16.1	121
61	Exploiting the robust network structure of zein/low-acyl gellan gum nanocomplexes to create Pickering emulsion gels with favorable properties. Food Chemistry, 2021, 349, 129112.	4.2	38
62	Improving the stability of Pb2+ ion-selective electrodes by using 3D polyaniline nanowire arrays as the inner solid-contact transducer. Electrochimica Acta, 2021, 384, 138414.	2.6	23
63	Titaniaâ€Supported Ni₂P/Ni Catalysts for Selective Solarâ€Driven CO Hydrogenation. Advanced Materials, 2021, 33, e2103248.	11.1	41
64	Epitaxially Grown Heterostructured SrMn₃O_{6â^'x}â€SrMnO₃ with Highâ€Valence Mn^{3+/4+} for Improved Oxygen Reduction Catalysis. Angewandte Chemie - International Edition, 2021, 60, 22043-22050.	7.2	78
65	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.	6.6	101
66	Epitaxially Grown Heterostructured SrMn 3 O 6â^' x â€SrMnO 3 with Highâ€Valence Mn 3+/4+ for Improved Oxygen Reduction Catalysis. Angewandte Chemie, 2021, 133, 22214-22221.	1.6	12
67	Protonated graphitic carbon nitride/polypyrrole/reduced graphene oxide composites as efficient visible light driven photocatalysts for dye degradation and E. coli disinfection. Journal of Alloys and Compounds, 2021, 873, 159750.	2.8	32
68	Nigella sativa: A Dietary Supplement as an Immune-Modulator on the Basis of Bioactive Components. Frontiers in Nutrition, 2021, 8, 722813.	1.6	10
69	Atomic Cationâ€Vacancy Engineering of NiFeâ€Layered Double Hydroxides for Improved Activity and Stability towards the Oxygen Evolution Reaction. Angewandte Chemie, 2021, 133, 24817-24824.	1.6	39
70	A Cu2O/PEDOT/graphene-modified electrode for the enzyme-free detection and quantification of glucose. Journal of Electroanalytical Chemistry, 2021, 897, 115558.	1.9	15
71	Phenolic-protein interactions in foods and post ingestion: Switches empowering health outcomes. Trends in Food Science and Technology, 2021, 118, 71-86.	7.8	38
72	Polymerization stabilized black-phase FAPbI3 perovskite solar cells retain 100% of initial efficiency over 100Âdays. Chemical Engineering Journal, 2021, 419, 129482.	6.6	21

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73	Lightweight PVDF/Î³-Fe2O3/PANI foam for efficient broadband microwave absorption in the K and Ka bands. Journal of Alloys and Compounds, 2021, 876, 159983.	2.8	14
74	Atomic Cationâ€Vacancy Engineering of NiFeâ€Layered Double Hydroxides for Improved Activity and Stability towards the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2021, 60, 24612-24619.	7.2	259
75	Origanum majorana L.: A Nutritional Supplement With Immunomodulatory Effects. Frontiers in Nutrition, 2021, 8, 748031.	1.6	5
76	Effects of food-derived bioactive peptides on cognitive deficits and memory decline in neurodegenerative diseases: A review. Trends in Food Science and Technology, 2021, 116, 712-732.	7.8	41
77	Photosensitive drug delivery systems for cancer therapy: Mechanisms and applications. Journal of Controlled Release, 2021, 338, 446-461.	4.8	45
78	Potential stability improvement in Pb2+ ion selective electrodes by applying hydrophobic polyaniline as ion-to-electron transducer. Synthetic Metals, 2021, 281, 116898.	2.1	8
79	A novel SERS sensor for the ultrasensitive detection of kanamycin based on a Zn-doped carbon quantum dot catalytic switch controlled by nucleic acid aptamer and size-controlled gold nanorods. Food Chemistry, 2021, 362, 130261.	4.2	24
80	Sodium 5-sulfosalicylate-assisted hydrothermal synthesis of a self-supported Co3S4â^'Ni3S2@nickel foam electrode for all-solid-state asymmetric supercapacitors. Journal of Alloys and Compounds, 2021, 889, 161661.	2.8	11
81	Construction of Z-scheme Titanium-MOF/plasmonic silver nanoparticle/NiFe layered double hydroxide photocatalysts with enhanced dye and antibiotic degradation activity under visible light. Separation and Purification Technology, 2021, 278, 119525.	3.9	32
82	Boosting the electrochemical performance of hematite nanorods via quenching-induced metal single atom functionalization. Journal of Materials Chemistry A, 2021, 9, 3492-3499.	5.2	20
83	Stable Pb(II) ion-selective electrodes with a low detection limit using silver nanoparticles/polyaniline as the solid contact. Mikrochimica Acta, 2021, 188, 393.	2.5	4
84	Functionalized Ironâ€“Nitrogenâ€“Carbon Electrocatalyst Provides a Reversible Electron Transfer Platform for Efficient Uranium Extraction from Seawater. Advanced Materials, 2021, 33, e2106621.	11.1	184
85	Mgâ€“Sn Alloys as Anodes for Magnesium-Air Batteries. Journal of the Electrochemical Society, 2021, 168, 110531.	1.3	24
86	FeCoNi nanoalloys embedded in hierarchical N-rich carbon matrix with enhanced oxygen electrocatalysis for rechargeable Zn-air batteries. Journal of Materials Chemistry A, 2021, 9, 27701-27708.	5.2	22
87	Nanocarbon Framework-Supported Ultrafine Mo₂C@MoO_x Nanoclusters for Photothermal-Enhanced Tumor-Specific Tandem Catalysis Therapy. ACS Applied Materials & Interfaces, 2021, 13, 59649-59661.	4.0	20
88	Stable Pb2+ ion-selective electrodes based on polyaniline-TiO2 solid contacts. Analytica Chimica Acta, 2020, 1094, 26-33.	2.6	21
89	Chromium (VI) adsorption and reduction by humic acid coated nitrogen-doped magnetic porous carbon. Powder Technology, 2020, 360, 55-64.	2.1	39
90	Biodegradable Poly(butylene adipateâ€coâ€terephthalate) composites reinforced with bioâ€based nanochitin: Preparation, enhanced mechanical and thermal properties. Journal of Applied Polymer Science, 2020, 137, 48485.	1.3	19

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91	Poly(Nâ€isopropylacrylamide)/mesoporous silica thermosensitive composite hydrogels for drug loading and release. Journal of Applied Polymer Science, 2020, 137, 48391.	1.3	27
92	Highly flexible and stable carbon nitride/cellulose acetate porous films with enhanced photocatalytic activity for contaminants removal from wastewater. Journal of Hazardous Materials, 2020, 384, 121417.	6.5	42
93	Microwave-based synthesis of (NiCo)x/(MnO)y/C composites and their tunable wave absorption properties in the K band. Ceramics International, 2020, 46, 9353-9362.	2.3	8
94	Two-dimensional photocatalyst design: A critical review of recent experimental and computational advances. Materials Today, 2020, 34, 78-91.	8.3	253
95	Manganese Oxide Modified Nickel Catalysts for Photothermal CO Hydrogenation to Light Olefins. Advanced Energy Materials, 2020, 10, 1902860.	10.2	56
96	Defective Porous Carbon Polyhedra Decorated with Copper Nanoparticles for Enhanced NIRâ€Driven Photothermal Cancer Therapy. Small, 2020, 16, e1905184.	5.2	95
97	Hollow PtFe Alloy Nanoparticles Derived from Ptâ€Fe₃O₄ Dimers through a Silicaâ€Protection Reduction Strategy as Efficient Oxygen Reduction Electrocatalysts. Chemistry - A European Journal, 2020, 26, 4090-4096.	1.7	49
98	Heterostructured MoS2@Bi2Se3 nanoflowers: A highly efficient electrocatalyst for hydrogen evolution. Journal of Catalysis, 2020, 381, 590-598.	3.1	39
99	Efficient overall water splitting using nickel boride-based electrocatalysts. International Journal of Hydrogen Energy, 2020, 45, 28616-28625.	3.8	19
100	Underwater superaerophobic Ni nanoparticle-decorated nickelâ€“molybdenum nitride nanowire arrays for hydrogen evolution in neutral media. Nano Energy, 2020, 78, 105375.	8.2	148
101	Highly efficient photothermal heating via distorted edge-defects in boron quantum dots. Journal of Materials Chemistry B, 2020, 8, 9881-9887.	2.9	17
102	Exploiting Co Defects in CoFe-Layered Double Hydroxide (CoFe-LDH) Derivatives for Highly Efficient Photothermal Cancer Therapy. ACS Applied Materials & Interfaces, 2020, 12, 54916-54926.	4.0	43
103	Pancreatic lipase-inhibiting protein hydrolysate and peptides from seabuckthorn seed meal: Preparation optimization and inhibitory mechanism. LWT - Food Science and Technology, 2020, 134, 109870.	2.5	18
104	Hierarchical TiO₂ Nanoflower Photocatalysts with Remarkable Activity for Aqueous Methylene Blue Photo-Oxidation. ACS Omega, 2020, 5, 18919-18934.	1.6	45
105	Alkali Etching of Layered Double Hydroxide Nanosheets for Enhanced Photocatalytic N₂ Reduction to NH₃. Advanced Energy Materials, 2020, 10, 2002199.	10.2	185
106	Photocatalytic CO₂ Reduction to CO over Ni Single Atoms Supported on Defectâ€Rich Zirconia. Advanced Energy Materials, 2020, 10, 2002928.	10.2	263
107	Fluorometric determination of mercury(II) based on dual-emission metal-organic frameworks incorporating carbon dots and gold nanoclusters. Mikrochimica Acta, 2020, 187, 534.	2.5	24
108	Novel three-dimensional TiO2-Fe3O4@polypyrrole composites with tunable microwave absorption in the 2â€“40ÂGHz frequency range. Journal of Materials Science, 2020, 55, 15493-15509.	1.7	15

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109	An immunomodulatory polysaccharide from blackberry seeds and its action on RAW 264.7 cells via activation of NF-Î¹B/MAPK pathways. Food and Agricultural Immunology, 2020, 31, 575-586.	0.7	8
110	Enhanced photocathodic antifouling/antibacterial properties of polyanilineâ€“Agâ€“N-doped TiO2 coatings. Journal of Materials Science, 2020, 55, 16255-16272.	1.7	11
111	Complex alloy nanostructures as advanced catalysts for oxygen electrocatalysis: from materials design to applications. Journal of Materials Chemistry A, 2020, 8, 23142-23161.	5.2	46
112	Recent Advances in the Development of Singleâ€Atom Catalysts for Oxygen Electrocatalysis and Zincâ€“Air Batteries. Advanced Energy Materials, 2020, 10, 2003018.	10.2	181
113	A highly sensitive electrochemical sensor containing nitrogen-doped ordered mesoporous carbon (NOMC) for voltammetric determination of l-tryptophan. Food Chemistry, 2020, 326, 126976.	4.2	49
114	A Nitrogen-Rich Covalent Triazine Framework as a Photocatalyst for Hydrogen Production. Advances in Polymer Technology, 2020, 2020, 1-12.	0.8	6
115	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.	2.8	110
116	Efficient wettability-controlled electroreduction of CO2 to CO at Au/C interfaces. Nature Communications, 2020, 11, 3028.	5.8	294
117	Effect of alcohol sacrificial agent on the performance of Cu/TiO2 photocatalysts for UV-driven hydrogen production. Applied Catalysis A: General, 2020, 602, 117703.	2.2	30
118	Hierarchical Au/TiO2 nanoflower photocatalysts with outstanding performance for alcohol photoreforming under UV irradiation. Applied Catalysis A: General, 2020, 602, 117706.	2.2	25
119	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.	4.3	115
120	Optimization of enzymeâ€assisted extraction of bioactiveâ€rich juice from Chaenomeles sinensis (Thouin) Koehne by response surface methodology. Journal of Food Processing and Preservation, 2020, 44, e14638.	0.9	5
121	Recent advances in niobium-based semiconductors for solar hydrogen production. Coordination Chemistry Reviews, 2020, 419, 213399.	9.5	57
122	600 nm Irradiation-Induced Efficient Photocatalytic CO₂ Reduction by Ultrathin Layered Double Hydroxide Nanosheets. Industrial & Engineering Chemistry Research, 2020, 59, 5848-5857.	1.8	47
123	Performance comparison of surface plasmon resonance biosensors based on ultrasmall noble metal nanoparticles templated using bovine serum albumin. Microchemical Journal, 2020, 155, 104737.	2.3	12
124	Highly efficient electrocatalytic hydrogen evolution promoted by Oâ€“Moâ€“C interfaces of ultrafine Î²-Mo₂C nanostructures. Chemical Science, 2020, 11, 3523-3530.	3.7	54
125	Three-dimensional electrochemical sensor with covalent organic framework decorated carbon nanotubes signal amplification for the detection of furazolidone. Sensors and Actuators B: Chemical, 2020, 321, 128501.	4.0	73
126	Ultrasensitive determination of sulfathiazole using a molecularly imprinted electrochemical sensor with CuS microflowers as an electron transfer probe and Au@COF for signal amplification. Food Chemistry, 2020, 332, 127376.	4.2	41

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127	Natural products: Regulating glucose metabolism and improving insulin resistance. Food Science and Human Wellness, 2020, 9, 214-228.	2.2	38
128	Movie watching during dialysis sessions reduces depression and anxiety and improves quality of life: A randomized clinical trial. Complementary Therapies in Medicine, 2020, 52, 102488.	1.3	8
129	FeOâ€“CeO2 nanocomposites: an efficient and highly selective catalyst system for photothermal CO2 reduction to CO. NPG Asia Materials, 2020, 12, .	3.8	76
130	Highly Efficient Photoelectrocatalytic Reduction of CO2 to Methanol by a pâ€“n Heterojunction CeO2/CuO/Cu Catalyst. Nano-Micro Letters, 2020, 12, 18.	14.4	44
131	Efficient Photocatalytic Nitrogen Fixation over Cu^{Î´}⁺â€Modified Defective ZnAlâ€Layered Double Hydroxide Nanosheets. Advanced Energy Materials, 2020, 10, 1901973.	10.2	173
132	Solar-active photocatalysts based on TiO2 and conductive polymer PEDOT for the removal of bisphenol A. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 396, 112546.	2.0	19
133	Synergistic effect of cobalt boride nanoparticles on MoS₂ nanoflowers for a highly efficient hydrogen evolution reaction in alkaline media. Nanoscale, 2020, 12, 10158-10165.	2.8	24
134	Highâ€Efficiency Oxygen Reduction to Hydrogen Peroxide Catalyzed by Nickel Singleâ€Atom Catalysts with Tetradentate N₂O₂ Coordination in a Threeâ€Phase Flow Cell. Angewandte Chemie, 2020, 132, 13157-13162.	1.6	16
135	Highâ€Efficiency Oxygen Reduction to Hydrogen Peroxide Catalyzed by Nickel Singleâ€Atom Catalysts with Tetradentate N₂O₂ Coordination in a Threeâ€Phase Flow Cell. Angewandte Chemie - International Edition, 2020, 59, 13057-13062.	7.2	222
136	Selective photocatalytic CO2 reduction over Zn-based layered double hydroxides containing tri or tetravalent metals. Science Bulletin, 2020, 65, 987-994.	4.3	205
137	Polypeptide-Templated Au Nanoclusters with Red and Blue Fluorescence Emissions for Multimodal Imaging of Cell Nuclei. ACS Applied Bio Materials, 2020, 3, 1934-1943.	2.3	19
138	The Journey toward Low Temperature, Low Pressure Catalytic Nitrogen Fixation. Advanced Energy Materials, 2020, 10, 2000659.	10.2	127
139	Heteroatom Modification of Nanoporous Nickel Surfaces for Electrocatalytic Water Splitting. ACS Applied Nano Materials, 2020, 3, 11298-11306.	2.4	11
140	Highly selective hydrogenation of 5-hydroxymethylfurfural to 2,5-dimethylfuran at low temperature over a Coâ€“Nâ€“C/NiAl-MMO catalyst. Catalysis Science and Technology, 2020, 10, 4010-4018.	2.1	19
141	In vivo anti-hyperuricemic and xanthine oxidase inhibitory properties of tuna protein hydrolysates and its isolated fractions. Food Chemistry, 2019, 272, 453-461.	4.2	66
142	Encapsulation Systems Containing Multi-Nutrients/Bioactives: From Molecular Scale to Industrial Scale. , 2019, , 687-694.		3
143	Photocatalytic ammonia synthesis: Recent progress and future. EnergyChem, 2019, 1, 100013.	10.1	204
144	Photoelectrochemical biosensor for 5hmC detection based on the photocurrent inhibition effect of ZnO on MoS2/C3N4 heterojunction. Biosensors and Bioelectronics, 2019, 142, 111516.	5.3	48

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145	A simple aptamer-based fluorescent aflatoxin B1 sensor using humic acid as quencher. Talanta, 2019, 205, 120131.	2.9	40
146	A universal ligand mediated method for large scale synthesis of transition metal single atom catalysts. Nature Communications, 2019, 10, 4585.	5.8	441
147	The feasibility of polyaniline-TiO2 coatings for photocathodic antifouling: antibacterial effect. Synthetic Metals, 2019, 257, 116175.	2.1	12
148	Photoelectrochemical biosensor for protein kinase A detection based on carbon microspheres, peptide functionalized Au-ZIF-8 and TiO2/g-C3N4. Talanta, 2019, 196, 197-203.	2.9	35
149	Fermentation-enabled wellness foods: A fresh perspective. Food Science and Human Wellness, 2019, 8, 203-243.	2.2	172
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