

# Nan Li

## 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.

199  
papers

10,443  
citations

46  
h-index

98  
g-index

204  
ext. papers

12,242  
ext. citations

7.6  
avg, IF

6.76  
L-index

#	Paper	IF	Citations
199	Capture region shrinkage and levitation instability of optical trap induced by decreased damping in vacuum. <i>Optics Communications</i> , <b>2022</b> , 128034	2	0
198	Biomimetic multifactor stimulation method for analyzing the synergism of matrix stiffness and inorganic polyphosphates on cellular behaviors.. <i>Talanta</i> , <b>2022</b> , 241, 123222	6.2	
197	Smartphone-based mobile biosensors for the point-of-care testing of human metabolites.. <i>Materials Today Bio</i> , <b>2022</b> , 14, 100254	9.9	0
196	Multiplexed detection of respiratory pathogens with a portable analyzer in a "raw-sample-in and answer-out" manner. <i>Microsystems and Nanoengineering</i> , <b>2021</b> , 7, 94	7.7	1
195	Numerical Analysis of Optical Trapping Force Affected by Lens Misalignments. <i>Photonics</i> , <b>2021</b> , 8, 548	2.2	0
194	Co, N co-doped hierarchical porous carbon as efficient cathode electrocatalyst and its impact on microbial community of anode biofilm in microbial fuel cell. <i>Chemosphere</i> , <b>2021</b> , 132701	8.4	3
193	FDTD simulation of optical force under non-ideal conditions. <i>Optics Communications</i> , <b>2021</b> , 505, 127586	2	1
192	Revolution of a trapped particle in counter-propagating dual-beam optical tweezers under low pressure. <i>Optics Express</i> , <b>2021</b> , 29, 11169-11180	3.3	3
191	Graphene family for hydrogen peroxide production in electrochemical system. <i>Science of the Total Environment</i> , <b>2021</b> , 769, 144491	10.2	5
190	Excessive extracellular polymeric substances induced by organic shocks accelerate electron transfer of oxygen reducing biocathode. <i>Science of the Total Environment</i> , <b>2021</b> , 774, 145767	10.2	2
189	In-situ hydrogen peroxide synthesis with environmental applications in bioelectrochemical systems: A state-of-the-art review. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 3204-3219	6.7	15
188	Fenton-based technologies as efficient advanced oxidation processes for microcystin-LR degradation. <i>Science of the Total Environment</i> , <b>2021</b> , 753, 141809	10.2	22
187	Biosynthesis of vivianite from microbial extracellular electron transfer and environmental application. <i>Science of the Total Environment</i> , <b>2021</b> , 762, 143076	10.2	6
186	A highly sensitive bioelectrochemical toxicity sensor and its evaluation using immediate current attenuation. <i>Science of the Total Environment</i> , <b>2021</b> , 766, 142646	10.2	5
185	Enhanced oxygen reduction activity and high-quality effluent of membrane filtration electrodes with Prussian blue in microbial fuel cells. <i>Science of the Total Environment</i> , <b>2021</b> , 753, 142021	10.2	2
184	Enhanced performance of microbial fuel cells using Ag nanoparticles modified Co, N co-doped carbon nanosheets as bifunctional cathode catalyst. <i>Bioelectrochemistry</i> , <b>2021</b> , 138, 107717	5.6	12
183	Graphite accelerate dissimilatory iron reduction and vivianite crystal enlargement. <i>Water Research</i> , <b>2021</b> , 189, 116663	12.5	9

182	Enhanced electrocatalytic activity and antifouling performance by iron phthalocyanine doped filtration membrane cathode. <i>Chemical Engineering Journal</i> , <b>2021</b> , 413, 127536	14.7	3
181	Simultaneous and independent capture of multiple Rayleigh dielectric nanospheres with sine-modulated Gaussian beams. <i>Scientific Reports</i> , <b>2021</b> , 11, 125	4.9	
180	A simple method for the preparation of a nickel selenide and cobalt selenide mixed catalyst to enhance bifunctional oxygen activity for Zn-air batteries.. <i>RSC Advances</i> , <b>2021</b> , 11, 19406-19416	3.7	1
179	Numerical analysis on the optical force calculation in the Rayleigh scattering regime. <i>Optical Review</i> , <b>2021</b> , 28, 1-7	0.9	1
178	A Portable Microfluidic System for Point-of-Care Detection of Multiple Protein Biomarkers. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	1
177	3D calibration of microsphere position in optical tweezers using the back-focal-plane interferometry method. <i>Optics Express</i> , <b>2021</b> , 29, 32271-32284	3.3	
176	Fast size estimation of single-levitated nanoparticles in a vacuum optomechanical system. <i>Optics Letters</i> , <b>2021</b> , 46, 4614-4617	3	3
175	The UV/H <sub>2</sub> O <sub>2</sub> process based on H <sub>2</sub> O <sub>2</sub> in-situ generation for water disinfection. <i>Journal of Hazardous Materials Letters</i> , <b>2021</b> , 2, 100020	3.3	3
174	Sulfuration of Fe <sub>N</sub> /C porous nanosheets as bifunctional catalyst with remarkable biocompatibility for high-efficient microbial fuel cells. <i>Journal of Power Sources</i> , <b>2021</b> , 512, 230491	8.9	5
173	Rational design and synthesis of hollow Fe-N/C electrocatalysts for enhanced oxygen reduction reaction. <i>Chemical Communications</i> , <b>2021</b> , 57, 5258-5261	5.8	10
172	A Novel Approach to Double the Sensitivity of Polarization Maintaining Interferometric Fiber Optic Gyroscope. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
171	Electrochemical regulation on the metabolism of anode biofilms under persistent exogenous bacteria interference. <i>Electrochimica Acta</i> , <b>2020</b> , 340, 135922	6.7	12
170	Unignorable toxicity of formaldehyde on electroactive bacteria in bioelectrochemical systems. <i>Environmental Research</i> , <b>2020</b> , 183, 109143	7.9	15
169	Enhancing hydrogen evolution reaction through modulating electronic structure of self-supported NiFe LDH. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 4184-4190	5.5	29
168	A universal ultrasensitive platform for enzyme-linked immunoassay based on responsive surface-enhanced Raman scattering. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 315, 128135	8.5	10
167	Stacking-directed self-assembly of nanoplatelets into diversified three-dimensional superparticles for high surface-enhanced Raman scattering. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 575, 54-60	9.3	1
166	SPD_1495 Contributes to Capsular Polysaccharide Synthesis and Virulence in. <i>MSystems</i> , <b>2020</b> , 5,	7.6	4
165	Enhanced electricity generation and extracellular electron transfer by polydopamine-reduced graphene oxide (PDA@rGO) modification for high-performance anode in microbial fuel cell. <i>Chemical Engineering Journal</i> , <b>2020</b> , 387, 123408	14.7	45

164	A self-contained and fully integrated fluidic cassette system for multiplex nucleic acid detection of bacteriuria. <i>Lab on A Chip</i> , <b>2020</b> , 20, 384-393	7.2	8
163	Bioelectrochemical Ammoniation Coupled with Microbial Electrolysis for Nitrogen Recovery from Nitrate in Wastewater. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 3002-3011	10.3	39
162	Conductive materials in anaerobic digestion: From mechanism to application. <i>Bioresource Technology</i> , <b>2020</b> , 298, 122403	11	68
161	Spatially heterogeneous propionate conversion towards electricity in bioelectrochemical systems. <i>Journal of Power Sources</i> , <b>2020</b> , 449, 227557	8.9	9
160	Nutrient conversion and recovery from wastewater using electroactive bacteria. <i>Science of the Total Environment</i> , <b>2020</b> , 706, 135690	10.2	29
159	Electron affinity regulation on ultrathin manganese oxide nanosheets toward ultra-stable pseudocapacitance. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 23257-23264	13	6
158	Surface modification by Cyclodextrin/polyquaternium-11 composite for enhanced biofilm formation in microbial fuel cells. <i>Journal of Power Sources</i> , <b>2020</b> , 480, 228789	8.9	6
157	Synergistic effect between poly(diallyldimethylammonium chloride) and reduced graphene oxide for high electrochemically active biofilm in microbial fuel cell. <i>Electrochimica Acta</i> , <b>2020</b> , 359, 136949	6.7	16
156	Electron Flow Shifts from Anode Respiration to Nitrate Reduction During Electroactive Biofilm Thickening. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 9593-9600	10.3	20
155	The micro-niche of exoelectrogens influences bioelectricity generation in bioelectrochemical systems. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 134, 110184	16.2	9
154	Autogenically Secretes Fulvic Acid to Facilitate the Dissimilated Iron Reduction and Vivianite Recovery. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 10850-10858	10.3	21
153	Revealing Decay Mechanisms of HO-Based Electrochemical Advanced Oxidation Processes after Long-Term Operation for Phenol Degradation. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 10916-10925	10.3	21
152	Stimuli-responsive azobenzene-quantum dots for multi-sensing of dithionite, hypochlorite, and azoreductase. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 481	5.8	0
151	Optical rotation conveyor belt based on a polarization-maintaining hollow-core photonic crystal fiber. <i>Optical Review</i> , <b>2020</b> , 27, 561-567	0.9	0
150	Displacement Detection Decoupling in Counter-Propagating Dual-Beams Optical Tweezers with Large-Sized Particle. <i>Sensors</i> , <b>2020</b> , 20,	3.8	2
149	Electrode potential regulates phenol degradation pathways in oxygen-diffused microbial electrochemical system. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122663	14.7	23
148	Acetate limitation selects <i>Geobacter</i> from mixed inoculum and reduces polysaccharide in electroactive biofilm. <i>Water Research</i> , <b>2020</b> , 177, 115776	12.5	36
147	Superhydrophobic Air-Breathing Cathode for Efficient Hydrogen Peroxide Generation through Two-Electron Pathway Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 35410-35419	9.5	46

146	Highly efficient electro-generation of HO by adjusting liquid-gas-solid three phase interfaces of porous carbonaceous cathode during oxygen reduction reaction. <i>Water Research</i> , <b>2019</b> , 164, 114933	12.5	51
145	In situ evolution of the active phase on stainless steel mesh toward a cost-effective bifunctional electrode for energy storage and conversion. <i>Chemical Communications</i> , <b>2019</b> , 55, 2513-2516	5.8	24
144	Review of optical tweezers in vacuum. <i>Frontiers of Information Technology and Electronic Engineering</i> , <b>2019</b> , 20, 655-673	2.2	5
143	The use of natural hierarchical porous carbon from Artemia cyst shells alleviates power decay in activated carbon air-cathode. <i>Electrochimica Acta</i> , <b>2019</b> , 315, 41-47	6.7	7
142	Co <sub>0.85</sub> Se on three-dimensional hierarchical porous graphene-like carbon for highly effective oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 10182-10189	6.7	14
141	Heterotopic formaldehyde biodegradation through UV/H <sub>2</sub> O system with biosynthetic H <sub>2</sub> O <sub>2</sub> . <i>Water Environment Research</i> , <b>2019</b> , 91, 598-605	2.8	10
140	Engineering Ni <sup>3+</sup> inside nickel selenide as efficient bifunctional oxygen electrocatalysts for Zn  air batteries. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 9063-9074	4.3	6
139	Lipoprotein SPD_1609 of Promotes Adherence and Invasion to Epithelial Cells Contributing to Bacterial Virulence. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1769	5.7	5
138	A novel single chamber vertical baffle flow biocathode microbial electrochemical system with microbial separator. <i>Bioresource Technology</i> , <b>2019</b> , 294, 122236	11	8
137	Radiation forces on a Rayleigh particle produced by partially coherent circular Airy beams. <i>Optics Express</i> , <b>2019</b> , 27, 27777-27785	3.3	11
136	Maltese cross coupling to individual cold atoms in free space. <i>Optics Express</i> , <b>2019</b> , 27, 31042-31052	3.3	8
135	Efficient regeneration of activated carbon electrode by half-wave rectified alternating fields in capacitive deionization system. <i>Electrochimica Acta</i> , <b>2019</b> , 298, 372-378	6.7	5
134	A novel electro-coagulation-Fenton for energy efficient cyanobacteria and cyanotoxins removal without chemical addition. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 365, 650-658	12.8	47
133	Stimuli-responsive SERS nanoprobe for multiplexing detection. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 281, 977-982	8.5	3
132	Dirhodium (II) complex interferes with iron-transport system to exert antibacterial action against <i>Streptococcus pneumoniae</i> . <i>Journal of Proteomics</i> , <b>2019</b> , 194, 160-167	3.9	6
131	Ultrathin NiCo <sub>2</sub> Px nanosheets strongly coupled with CNTs as efficient and robust electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 7420-7427	13	241
130	Two zinc-binding domains in the transporter AdcA from facilitate high-affinity binding and fast transport of zinc. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 6075-6089	5.4	19
129	Acid pretreatment of three-dimensional graphite cathodes enhances the hydrogen peroxide synthesis in bioelectrochemical systems. <i>Science of the Total Environment</i> , <b>2018</b> , 630, 308-313	10.2	17

128	Gallic acid-assisted synthesis of Pd uniformly anchored on porous N-rGO as efficient electrocatalyst for microbial fuel cells. <i>Dalton Transactions</i> , <b>2018</b> , 47, 1442-1450	4.3	22
127	Regeneration of activated carbon air-cathodes by half-wave rectified alternating fields in microbial fuel cells. <i>Applied Energy</i> , <b>2018</b> , 219, 199-206	10.7	28
126	Systematic Bandgap Engineering of Graphene Quantum Dots and Applications for Photocatalytic Water Splitting and CO Reduction. <i>ACS Nano</i> , <b>2018</b> , 12, 3523-3532	16.7	222
125	Launch and capture of a single particle in a pulse-laser-assisted dual-beam fiber-optic trap. <i>Optics Communications</i> , <b>2018</b> , 417, 103-109	2	7
124	Graphene quantum dots based fluorescence turn-on nanoprobe for highly sensitive and selective imaging of hydrogen sulfide in living cells. <i>Biomaterials Science</i> , <b>2018</b> , 6, 779-784	7.4	33
123	Syntrophic Growth of Accelerates Anaerobic Denitrification. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1572	5.7	23
122	Optimal set of electrode potential enhances the toxicity response of biocathode to formaldehyde. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 1485-1492	10.2	22
121	Dynamic analysis and rotation experiment of an optical-trapped microsphere in air. <i>Applied Optics</i> , <b>2018</b> , 57, 823-828	1.7	13
120	Real-Time Imaging Revealed That Exoelectrogens from Wastewater Are Selected at the Center of a Gradient Electric Field. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 8939-8946	10.3	38
119	S, N co-doped carbon nanotube-encapsulated core-shelled CoS <sub>2</sub> @Co nanoparticles: efficient and stable bifunctional catalysts for overall water splitting. <i>Science Bulletin</i> , <b>2018</b> , 63, 1130-1140	10.6	156
118	Porous Co <sub>3</sub> O <sub>4</sub> decorated nitrogen-doped graphene electrocatalysts for efficient bioelectricity generation in MFCs. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 10311-10321	6.7	14
117	Recovery of phosphate from aqueous solutions via vivianite crystallization: Thermodynamics and influence of pH. <i>Chemical Engineering Journal</i> , <b>2018</b> , 349, 37-46	14.7	50
116	Enhanced lithium storage performance of porous exfoliated carbon fibers anchored nickel nanoparticles. <i>RSC Advances</i> , <b>2018</b> , 8, 17056-17059	3.7	15
115	CuCo <sub>2</sub> S <sub>4</sub> Nanosheets Coupled With Carbon Nanotube Heterostructures for Highly Efficient Capacitive Energy Storage. <i>ChemElectroChem</i> , <b>2018</b> , 5, 2496-2502	4.3	14
114	Novel g-C <sub>3</sub> N <sub>4</sub> wrapped Al <sub>2</sub> O <sub>3</sub> microspheres heterojunction for efficient photocatalytic application under visible light irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 4509-4516	2.1	7
113	Photoredox and cobalt co-catalyzed C(sp <sup>2</sup> ) functionalization/C=C bond formation for synthesis of lactones under oxidant- and acceptor-free conditions. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 749-752	5.2	33
112	A Chip of Pulse-Laser-Assisted Dual-Beam Fiber-Optic Trap <b>2018</b> ,		1
111	Phosphorus Competition in Bioinduced Vivianite Recovery from Wastewater. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 13863-13870	10.3	46

110	The enhancement of the abruptly autofocusing property with multiple circular Airy beams carrying lens phase factors. <i>Applied Physics B: Lasers and Optics</i> , <b>2018</b> , 124, 1	1.9	2
109	In situ formation of consubstantial NiCo <sub>2</sub> S <sub>4</sub> nanorod arrays toward self-standing electrode for high activity supercapacitors and overall water splitting. <i>Journal of Power Sources</i> , <b>2018</b> , 402, 116-123	8.9	56
108	Repeated transfer enriches highly active electrotrophic microbial consortia on biocathodes in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 121, 118-124	11.8	36
107	Bifunctional MOF-derived Co-N-doped carbon electrocatalysts for high-performance zinc-air batteries and MFCs. <i>Energy</i> , <b>2018</b> , 156, 95-102	7.9	58
106	Swift Acid Rain Sensing by Synergistic Rhizospheric Bioelectrochemical Responses. <i>ACS Sensors</i> , <b>2018</b> , 3, 1424-1430	9.2	19
105	A facile way to prepare CuS-oil nanofluids with enhanced thermal conductivity and appropriate viscosity. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	9
104	Chemical Sensing on a Single SERS Particle. <i>ACS Sensors</i> , <b>2017</b> , 2, 135-139	9.2	22
103	Polydopamine as a new modification material to accelerate startup and promote anode performance in microbial fuel cells. <i>Journal of Power Sources</i> , <b>2017</b> , 343, 477-482	8.9	65
102	Atomic Modulation of FeCo-Nitrogen-Carbon Bifunctional Oxygen Electrodes for Rechargeable and Flexible All-Solid-State Zinc-Air Battery. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602420	21.8	505
101	Gold Superparticles Functionalized with Azobenzene Derivatives: SERS Nanotags with Strong Signals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 10530-10536	9.5	9
100	Enhanced activity and stability of Co <sub>3</sub> O <sub>4</sub> -decorated nitrogen-doped carbon hollow sphere catalysts for microbial fuel cells. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1315-1323	5.5	30
99	Gravity settling of planktonic bacteria to anodes enhances current production of microbial fuel cells. <i>Applied Energy</i> , <b>2017</b> , 198, 261-266	10.7	30
98	Resin-enhanced rolling activated carbon electrode for efficient capacitive deionization. <i>Desalination</i> , <b>2017</b> , 419, 20-28	10.3	49
97	Highly Bright SERS Nanotags with Multiplexing Fingerprints for Sensitive Immunoassays. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700133	8.1	4
96	Photoredox-Catalyzed Hydroacylation of Olefins Employing Carboxylic Acids and Hydrosilanes. <i>Organic Letters</i> , <b>2017</b> , 19, 3430-3433	6.2	41
95	Nickel cobaltite@nanocarbon hybrid materials as efficient cathode catalyst for oxygen reduction in microbial fuel cells. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 7539-7545	4.3	7
94	Self-Supported Amorphous-Edge Nickel Sulfide Nanobrush for Excellent Energy Storage. <i>Electrochimica Acta</i> , <b>2017</b> , 255, 153-159	6.7	29
93	Subminimal inhibitory concentration (sub-MIC) of antibiotic induces electroactive biofilm formation in bioelectrochemical systems. <i>Water Research</i> , <b>2017</b> , 125, 280-287	12.5	43

92	Cu?Co Bimetallic Oxide Quantum Dot Decorated Nitrogen-Doped Carbon Nanotubes: A High-Efficiency Bifunctional Oxygen Electrode for Zn?Air Batteries. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1701833	15.6	276
91	Domino-Fluorination-Protodefluorination Enables Decarboxylative Cross-Coupling of $\alpha$ -Oxocarboxylic Acids with Styrene via Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 9305-9311	4.2	40
90	Pretreatment of Raw Biochar and Phosphate Removal Performance of Modified Granular Iron/Biochar. <i>Transactions of Tianjin University</i> , <b>2017</b> , 23, 340-350	2.9	12
89	Protection of Electroactive Biofilm from Extreme Acid Shock by Polydopamine Encapsulation. <i>Environmental Science and Technology Letters</i> , <b>2017</b> , 4, 345-349	11	21
88	Electric field induced salt precipitation into activated carbon air-cathode causes power decay in microbial fuel cells. <i>Water Research</i> , <b>2017</b> , 123, 369-377	12.5	88
87	Pt/C and Pd/C catalysts promoted by Au for glycerol and CO electrooxidation in alkaline medium. <i>Journal of the Energy Institute</i> , <b>2017</b> , 90, 725-733	5.7	22
86	Thiophene-derived polymer dots for imaging endocytic compartments in live cells and broad-spectrum bacterial killing. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 152-157	7.8	10
85	Crucial residue Trp158 of lipoprotein PiaA stabilizes the ferrichrome-PiaA complex in <i>Streptococcus pneumoniae</i> . <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 167, 150-156	4.2	9
84	Co(0.85)Se/Multi-Walled Carbon Nanotube Composite as Alternative Cathode Catalyst for Microbial Fuel Cells. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 1438-442	1.3	7
83	CuSe decorated carbon nanotubes as a high performance cathode catalyst for microbial fuel cells. <i>Electrochimica Acta</i> , <b>2016</b> , 213, 283-290	6.7	28
82	CO <sub>2</sub> -Responsive Polymer-Functionalized Au Nanoparticles for CO <sub>2</sub> Sensor. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 8289-93	7.8	34
81	A Porous Perchlorate-Doped Polypyrrole Nanocoating on Nickel Nanotube Arrays for Stable Wide-Potential-Window Supercapacitors. <i>Advanced Materials</i> , <b>2016</b> , 28, 7680-7	24	161
80	A metal-organic framework-derived bifunctional oxygen electrocatalyst. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	1622
79	Bioelectrochemical Sensor Using Living Biofilm To in Situ Evaluate Flocculant Toxicity. <i>ACS Sensors</i> , <b>2016</b> , 1, 1374-1379	9.2	33
78	Efficient and Stable Bifunctional Electrocatalysts Ni/NixMy (M = P, S) for Overall Water Splitting. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3314-3323	15.6	690
77	Quaternary Ammonium Compound in Anolyte without Functionalization Accelerates the Startup of Bioelectrochemical Systems using Real Wastewater. <i>Electrochimica Acta</i> , <b>2016</b> , 188, 801-808	6.7	25
76	Enhanced biodegradation of aged petroleum hydrocarbons in soils by glucose addition in microbial fuel cells. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 267-275	3.5	63
75	BiOBr nanoplate-wrapped ZnO nanorod arrays for high performance photoelectrocatalytic application. <i>RSC Advances</i> , <b>2016</b> , 6, 16122-16130	3.7	50



74	One-pot synthesis of ultrafine TiO <sub>2</sub> nanoparticles with enhanced thermal conductivity for nanofluid applications. <i>Advanced Powder Technology</i> , <b>2016</b> , 27, 299-304	4.6	9
73	Ultrasensitive Profiling of Metabolites Using Tyramine-Functionalized Graphene Quantum Dots. <i>ACS Nano</i> , <b>2016</b> , 10, 3622-9	16.7	124
72	A novel carbon black graphite hybrid air-cathode for efficient hydrogen peroxide production in bioelectrochemical systems. <i>Journal of Power Sources</i> , <b>2016</b> , 306, 495-502	8.9	73
71	ZnCo <sub>2</sub> O <sub>4</sub> Quantum Dots Anchored on Nitrogen-Doped Carbon Nanotubes as Reversible Oxygen Reduction/Evolution Electrocatalysts. <i>Advanced Materials</i> , <b>2016</b> , 28, 3777-84	24	568
70	Self-assembly synthesis of CuSe@graphene-carbon nanotubes as efficient and robust oxygen reduction electrocatalysts for microbial fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12273-12280 <sup>13</sup>		44
69	Monitoring Dynamic Cellular Redox Homeostasis Using Fluorescence-Switchable Graphene Quantum Dots. <i>ACS Nano</i> , <b>2016</b> , 10, 11475-11482	16.7	56
68	Au-NiCo <sub>2</sub> O <sub>4</sub> supported on three-dimensional hierarchical porous graphene-like material for highly effective oxygen evolution reaction. <i>Scientific Reports</i> , <b>2016</b> , 6, 23398	4.9	55
67	Building layered Ni <sub>x</sub> Co <sub>2-x</sub> (OH) <sub>6-x</sub> nanosheets decorated three-dimensional Ni frameworks for electrochemical applications. <i>Journal of Power Sources</i> , <b>2016</b> , 317, 1-9	8.9	89
66	Embedding Au Quantum Dots in Rimous Cadmium Sulfide Nanospheres for Enhanced Photocatalytic Hydrogen Evolution. <i>Small</i> , <b>2016</b> , 12, 6735-6744	11	145
65	Shape-controllable gold nanostructures and their SERS enhancement. <i>Materials Research Express</i> , <b>2016</b> , 3, 105009	1.7	4
64	Alternating Current Influences Anaerobic Electroactive Biofilm Activity. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9169-76	10.3	37
63	Double-Shelled CdS- and CdSe-Cosensitized ZnO Porous Nanotube Arrays for Superior Photoelectrocatalytic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 16387-94	9.5	157
62	Sand amendment enhances bioelectrochemical remediation of petroleum hydrocarbon contaminated soil. <i>Chemosphere</i> , <b>2015</b> , 141, 62-70	8.4	74
61	A microbial fuel cell with the three-dimensional electrode applied an external voltage for synthesis of hydrogen peroxide from organic matter. <i>Journal of Power Sources</i> , <b>2015</b> , 287, 291-296	8.9	40
60	Anion-assisted one-pot synthesis of 1D magnetic Fe <sub>3</sub> O <sub>4</sub> and MnO <sub>2</sub> nanostructures for recyclable water treatment application. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 2497-2505	3.6	36
59	Graphene-Bacteria composite for oxygen reduction and lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 12873-12879	13	16
58	Facile hydrothermal synthesis of cobalt manganese oxides spindles and their magnetic properties. <i>Ceramics International</i> , <b>2015</b> , 41, 8670-8679	5.1	15
57	g-C <sub>3</sub> N <sub>4</sub> decorated ZnO nanorod arrays for enhanced photoelectrocatalytic performance. <i>Applied Surface Science</i> , <b>2015</b> , 358, 296-303	6.7	138

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55	Enzymatic-reaction induced production of polydopamine nanoparticles for sensitive and visual sensing of urea. <i>Analyst, The</i> , <b>2015</b> , 140, 449-55	5	14
54	Vertically oriented MoS <sub>2</sub> and WS <sub>2</sub> nanosheets directly grown on carbon cloth as efficient and stable 3-dimensional hydrogen-evolving cathodes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 131-135	13	229
53	Granulation and ferric oxides loading enable biochar derived from cotton stalk to remove phosphate from water. <i>Bioresource Technology</i> , <b>2015</b> , 178, 119-125	11	123
52	Enhanced Photoelectrocatalytic Activity of BiOI Nanoplate-Zinc Oxide Nanorod p-n Heterojunction. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 15360-8	4.8	117
51	One-Pot Synthesis of Pt <sub>100</sub> Alloy Nanowire Assemblies with Tunable Composition and Enhanced Electrocatalytic Properties. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3868-3872	3.6	85
50	Proteomic analysis on the antibacterial activity of a Ru(II) complex against Streptococcus pneumoniae. <i>Journal of Proteomics</i> , <b>2015</b> , 115, 107-16	3.9	12
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48	One-dimensional ZnO/Mn <sub>3</sub> O <sub>4</sub> core/shell nanorod and nanotube arrays with high supercapacitive performance for electrochemical energy storage. <i>RSC Advances</i> , <b>2014</b> , 4, 17274-17281	3.7	42
47	Varied metal-binding properties of lipoprotein PsaA in Streptococcus pneumoniae. <i>Journal of Biological Inorganic Chemistry</i> , <b>2014</b> , 19, 829-38	3.7	17
46	Chlorine anion $\pi$ - $\pi$ Interactions in two tetrazolyl derivative based Cu <sup>2+</sup> complexes and quantum chemical calculations. <i>Inorganica Chimica Acta</i> , <b>2014</b> , 409, 349-352	2.7	5
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44	Amorphous MnO <sub>2</sub> supported on 3D-Ni nanodendrites for large areal capacitance supercapacitors. <i>Electrochimica Acta</i> , <b>2014</b> , 149, 341-348	6.7	76
43	A CO <sub>2</sub> -responsive surface with an amidine-terminated self-assembled monolayer for stimuli-induced selective adsorption. <i>Chemical Communications</i> , <b>2014</b> , 50, 4003-6	5.8	19
42	Accelerated OH(-) transport in activated carbon air cathode by modification of quaternary ammonium for microbial fuel cells. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 4191-8	10.3	54
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40	Bifunctional quaternary ammonium compounds to inhibit biofilm growth and enhance performance for activated carbon air-cathode in microbial fuel cells. <i>Journal of Power Sources</i> , <b>2014</b> , 272, 895-899	8.9	42
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29	Time behavior and capacitance analysis of nano-Fe <sub>3</sub> O <sub>4</sub> added microbial fuel cells. <i>Bioresource Technology</i> , <b>2013</b> , 144, 689-92	11	45
28	Facile hydrothermal synthesis of urchin-like NiCo <sub>2</sub> O <sub>4</sub> spheres as efficient electrocatalysts for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 6657-6662	6.7	127
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26	MnO <sub>2</sub> /reduced graphene oxide composite as high-performance electrode for flexible supercapacitors. <i>Inorganic Chemistry Communication</i> , <b>2013</b> , 30, 1-4	3.1	44
25	Comparative studies of Acyl-CoA dehydrogenases for monomethyl branched chain substrates in amino acid metabolism. <i>Bioorganic Chemistry</i> , <b>2013</b> , 47, 1-8	5.1	2
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