

# Dan Xiao

## 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.

277  
papers

8,378  
citations

45  
h-index

79  
g-index

293  
ext. papers

9,777  
ext. citations

6.3  
avg, IF

6.43  
L-index

#	Paper	IF	Citations
277	Nitrogen/oxygen codoped hierarchical porous Carbons/Selenium cathode with excellent lithium and sodium storage behavior. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 608, 265-274	9.3	2
276	Ultrafast fabrication of robust electrocatalyst having Fe/FeC and CuNC for enhanced oxygen reduction reaction activity. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 605, 906-915	9.3	1
275	Confining intermediates within a catalytic nanoreactor facilitates nitrate-to-ammonia electrosynthesis. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 315, 121548	21.8	4
274	One-step green synthesis of oil-dispersible carbonized polymer dots as eco-friendly lubricant additives with superior dispersibility, lubricity, and durability. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 623, 762-774	9.3	1
273	Interconnecting 3D Conductive Networks with Nanostructured Iron/Iron Oxide Enables a High-Performance Flexible Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 57411-57421	9.5	2
272	Trifunctional Electrolyte Additive Hexadecyltrioctylammonium Iodide for Lithium-Sulfur Batteries with Extended Cycle Life. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 16545-16557	9.5	4
271	Silicon nanoparticles-based ratiometric fluorescence platform: Real-time visual sensing to ciprofloxacin and Cu. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 253, 119599	4.4	4
270	Lithium cobalt phosphate electrode for the simultaneous determination of ascorbic acid, dopamine, and serum uric acid by differential pulse voltammetry. <i>Mikrochimica Acta</i> , <b>2021</b> , 188, 190	5.8	4
269	Rapid synthesis of fluorescent bovine serum albumin-gold nanoclusters complex for glutathione determination. <i>Mikrochimica Acta</i> , <b>2021</b> , 188, 193	5.8	3
268	An efficient way to improve water splitting electrocatalysis by electrodepositing cobalt phosphide nanosheets onto copper nanowires. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 19421-19432	6.7	2
267	Donor-Acceptor Compensated ZnO Semiconductor for Photoelectrochemical Biosensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 33006-33014	9.5	3
266	Investigation of the LiBH <sub>4</sub> Modification Effect on Cycling Stability and High-Rate Capacity of LiCoO <sub>2</sub> Cathodes. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 6933-6941	6.1	0
265	Recent progress in conductive polymers for advanced fiber-shaped electrochemical energy storage devices. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 1140-1163	7.8	20
264	Synthesis of flower-like nickelIronChromium nanostructure compound deposited stainless steel foil as an efficient binder-free electrocatalyst for water splitting. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 2649-2659	5.8	3
263	A Trimetallic Cobalt/Iron/Nickel Phytate Catalyst for Overall Water Splitting: Fabrication by Magnetic-Field-Assisted Bipolar Electrodeposition. <i>ChemPlusChem</i> , <b>2021</b> , 86, 184-190	2.8	0
262	A label-free fluorescent biosensor based on a catalyzed hairpin assembly for HIV DNA and lead detection. <i>Analytical Methods</i> , <b>2021</b> , 13, 2391-2395	3.2	3
261	Designing a high-performance anode composed of carbon nanotubes and FeFe <sub>3</sub> C nanoparticles for quasi-solid-state fibrous Ni/Fe batteries. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 3636-3645	7.8	2

260	Dual-readout performance of Eu-doped nanoceria as a phosphatase mimic for degradation and detection of organophosphate. <i>Analytical Methods</i> , <b>2021</b> , 13, 4747-4755	3.2	0
259	Integration of Functionalized Polyelectrolytes onto Carbon Dots for Synergistically Improving the Tribological Properties of Polyethylene Glycol. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 8794-8807	9.5	13
258	One-step fast and label-free imaging array for multiplexed detection of trace avian influenza viruses. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1171, 338645	6.6	4
257	LiFePO <sub>4</sub> -covered silicon composite cathode with additional Li storage for lithium-ion batteries. <i>Ionics</i> , <b>2021</b> , 27, 4983	2.7	1
256	Ultra-fast preparing carbon nanotube-supported trimetallic Ni, Ru, Fe heterostructures as robust bifunctional electrocatalysts for overall water splitting. <i>Chemical Engineering Journal</i> , <b>2021</b> , 424, 130416	14.7	9
255	High-crystallinity and high-rate Prussian Blue analogues synthesized at the oil/water interface. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 2008-2016	6.8	6
254	Simulation and Experimental Study on Doubled-Input Capacitively Coupled Contactless Conductivity Detection of Capillary Electrophoresis. <i>Scientific Reports</i> , <b>2020</b> , 10, 7944	4.9	1
253	Early Monitoring Drug Resistant Mutation T790M with a Two-Dimensional Simultaneous Discrimination Nanopore Strategy. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 8867-8873	7.8	2
252	The synthesis of highly active carbon dot-coated gold nanoparticles the room-temperature carbonization of organic ligands for 4-nitrophenol reduction.. <i>RSC Advances</i> , <b>2020</b> , 10, 19419-19424	3.7	4
251	Ligand regulation to prepare an Fe, N, S tri-codoped hollow carbon electrocatalyst for enhanced ORR performance and Zn/Air batteries. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 4117-4125	5.8	8
250	A rapid and colorimetric biosensor based on GR-5 DNAzyme and self-replicating catalyzed hairpin assembly for lead detection. <i>Analytical Methods</i> , <b>2020</b> , 12, 2215-2220	3.2	15
249	Modification of Corroded Metal (Ni or Fe) Foam for High-Performance Rechargeable Alkaline Ni/Fe Batteries. <i>ChemElectroChem</i> , <b>2020</b> , 7, 3098-3105	4.3	13
248	Adsorption of methylene blue onto porous carbon materials prepared from Na <sub>2</sub> EDTA. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 4071-4080	3.6	3
247	Intercalation Lithium Cobalt Oxide for the Facile Fabrication of a Sensitive Dopamine Sensor. <i>ChemElectroChem</i> , <b>2020</b> , 7, 1193-1200	4.3	1
246	Self-Assembled Fe, N-Doped Chrysanthemum-Like Carbon Microspheres for Efficient Oxygen Reduction Reaction and Zn/Air Battery. <i>Energy Technology</i> , <b>2020</b> , 8, 2000145	3.5	6
245	An enzyme-free and label-free visual sensing strategy for the detection of thrombin using a plasmonic nanoplatfrom. <i>Analyst</i> , <b>2020</b> , 145, 2219-2225	5	3
244	Rapid and colorimetric detection of nucleic acids based on entropy-driven circuit and DNAzyme-mediated autocatalytic reactions. <i>Analytical Methods</i> , <b>2020</b> , 12, 2779-2784	3.2	9
243	A highly sensitive visual sensor for tetracycline in food samples by a double-signal response fluorescent nanohybrid. <i>Food Control</i> , <b>2020</b> , 108, 106832	6.2	30

242	Preparation of quinone modified graphene-based fiber electrodes and its application in flexible asymmetrical supercapacitor. <i>Electrochimica Acta</i> , <b>2020</b> , 336, 135628	6.7	21
241	An iron foam acts as a substrate and iron source for the in situ construction of a robust transition metal phytate electrocatalyst for overall water splitting. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 331-336	5.8	6
240	Supramolecular confinement of single Cu atoms in hydrogel frameworks for oxygen reduction electrocatalysis with high atom utilization. <i>Materials Today</i> , <b>2020</b> , 35, 78-86	21.8	45
239	A study of designer amine 4-amino-1-propyl-piperidine against the corrosion of carbon steel for application in CO <sub>2</sub> capture. <i>International Journal of Greenhouse Gas Control</i> , <b>2020</b> , 94, 102929	4.2	5
238	S-doped Co-Fe-Pi nanosheets as highly efficient oxygen evolution electrocatalysts in alkaline media. <i>Electrochimica Acta</i> , <b>2020</b> , 362, 137123	6.7	4
237	Solvent-controlled NiCoP with diversified morphology generated from a solvent vapour thermal reaction for electrocatalytic hydrogen evolution. <i>Materials Today Energy</i> , <b>2020</b> , 17, 100477	7	5
236	Glucose photoelectrochemical enzyme sensor based on competitive reaction of ascorbic acid. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 166, 112466	11.8	8
235	Surface in situ self-reconstructing hierarchical structures derived from ferrous carbonate as efficient bifunctional iron-based catalysts for oxygen and hydrogen evolution reactions. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 18367-18375	13	7
234	A designed locked nucleic acid-based nanopore for discriminating ctDNA and its coexisting analogue ncDNA. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 172-176	8.1	1
233	Plasmonic nanoplatform for point-of-care testing trace HCV core protein. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 147, 111488	11.8	11
232	Three-dimensional iron oxyfluoride/N-doped carbon hybrid nanocomposites as high-performance cathodes for rechargeable Li-ion batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 465-472	6.8	5
231	Improved Electrochemiluminescence Behavior of Glassy Carbon Electrode Through In Situ Chemical Bonding Modification. <i>ChemElectroChem</i> , <b>2019</b> , 6, 1878-1883	4.3	1
230	Self-Replication-Assisted Rapid Preparation of DNA Nanowires at Room Temperature and Its Biosensing Application. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 3043-3047	7.8	13
229	Core-shell copper oxide @ nickel/nickel-iron hydroxides nanoarrays enabled efficient bifunctional electrode for overall water splitting. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 695-702	6.7	21
228	An electrospun fibrous platform for visualizing the critical pH point inducing tooth demineralization. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 4292-4298	7.3	3
227	Preparation of manganese oxides coated porous carbon and its application for lead ion removal. <i>Carbohydrate Polymers</i> , <b>2019</b> , 219, 306-315	10.3	12
226	Facile synthesis of phosphorus-doped carbon under tuned temperature with high lithium and sodium anodic performances. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 551, 61-71	9.3	8
225	Sulfur and nitrogen dual-doped porous carbon nanosheet anode for sodium ion storage with a self-template and self-porogen method. <i>Applied Surface Science</i> , <b>2019</b> , 481, 473-483	6.7	10

224	A phytic acid derived LiMnFePO/Carbon composite of high energy density for lithium rechargeable batteries. <i>Scientific Reports</i> , <b>2019</b> , 9, 6665	4.9	10
223	A rapid room-temperature DNA amplification and detection strategy based on nicking endonuclease and catalyzed hairpin assembly. <i>Analytical Methods</i> , <b>2019</b> , 11, 2537-2541	3.2	13
222	Hydrophobic AgNPs: one-step synthesis in aqueous solution and their greatly enhanced performance for SERS detection. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 10465-10470	7.1	9
221	Crystalline nickel boride nanoparticle agglomerates for enhanced electrocatalytic methanol oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 23074-23080	6.7	12
220	One-step sensitive thrombin detection based on a nanofibrous sensing platform. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 5161-5169	7.3	14
219	Low-temperature coprecipitation synthesis of amorphous nickel cobalt sulfide nanoparticles for high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 14538-14546 <sup>3</sup>	21.1	3
218	Probing Enhanced Site Activity of CoFe Bimetallic Subnanoclusters Derived from Dual Cross-Linked Hydrogels for Oxygen Electrocatalysis. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1793-1802	20.1	57
217	Construction of a ratiometric phosphorescent assay with long-lived carbon quantum dots and inorganic nanoparticles for its application in environmental and biological systems. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 12410-12416	3.6	5
216	Building nanoparticle-stacking MoO <sub>2</sub> -CDs via in-situ carbon dots reduction as high-performance anode material for lithium ion and sodium ion batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 319, 740-752	6.7	22
215	Through a hydrothermal phosphatization method synthesized NiCo and Fe-based electrodes for high-performance battery-supercapacitor hybrid device. <i>Applied Surface Science</i> , <b>2019</b> , 475, 729-739	6.7	12
214	Carbon Fiber Substrates: Synthesis of P-Doped and NiCo-Hybridized Graphene-Based Fibers for Flexible Asymmetrical Solid-State Micro-Energy Storage Device (Small 1/2019). <i>Small</i> , <b>2019</b> , 15, 1970007 <sup>11</sup>		
213	Synthesis of P-Doped and NiCo-Hybridized Graphene-Based Fibers for Flexible Asymmetrical Solid-State Micro-Energy Storage Device. <i>Small</i> , <b>2019</b> , 15, e1803469	11	25
212	Construction of hydrophobic interface on natural biomaterials for higher efficient and reversible radioactive iodine adsorption in water. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 368, 81-89	12.8	12
211	Enhanced electrochemical performance of C-NiO/NiCo <sub>2</sub> O <sub>4</sub> //AC asymmetric supercapacitor based on material design and device exploration. <i>Electrochimica Acta</i> , <b>2019</b> , 296, 335-344	6.7	18
210	Influence of different pyrolysis methods on the sorption property of rice straw biochar. <i>Separation Science and Technology</i> , <b>2019</b> , 54, 2773-2782	2.5	4
209	Sphere-and-Flake-Structured Cu, N Co-Doped Carbon Catalyst Designed by a Template-Free Method for Robust Oxygen Reduction Reaction. <i>ChemElectroChem</i> , <b>2019</b> , 6, 1078-1087	4.3	12
208	Superficial-defect engineered nickel/iron oxide nanocrystals enable high-efficient flexible fiber battery. <i>Energy Storage Materials</i> , <b>2018</b> , 13, 160-167	19.4	37
207	Stretchable All-Gel-State Fiber-Shaped Supercapacitors Enabled by Macromolecularly Interconnected 3D Graphene/Nanostructured Conductive Polymer Hydrogels. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800124	24	304

206	Template-free fabrication of hollow N-doped carbon sphere (h-NCS) to synthesize h-NCS@PANI positive material for MoO <sub>3</sub> /h-NCS@PANI asymmetric supercapacitor. <i>Applied Surface Science</i> , <b>2018</b> , 442, 476-486	6.7	25
205	Sensitive determination of L-hydroxyproline in dairy products by capillary electrophoresis with in-capillary optical fiber light-emitting diode-induced fluorescence detection. <i>Analytical Methods</i> , <b>2018</b> , 10, 2211-2216	3.2	2
204	Rapid DNA detection based on self-replicating catalyzed hairpin assembly using nucleotide base analog pyrrolo-deoxycytidine as fluorophore. <i>Talanta</i> , <b>2018</b> , 181, 142-146	6.2	9
203	Insight into How Telomeric G-Quadruplexes Enhance the Peroxidase Activity of Cellular Hemin. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 1805	4.5	5
202	Cobalt/Iron Pyrophosphate Porous Nanosheets as Highly Active Electrocatalysts for the Oxygen Evolution Reaction. <i>ChemElectroChem</i> , <b>2018</b> , 5, 36-43	4.3	26
201	Fabrication of N, P-codoped reduced graphene oxide and its application for organic dye removal. <i>Applied Surface Science</i> , <b>2018</b> , 435, 281-289	6.7	33
200	A fluorescent "on-off-on" probe for sensitive detection of ATP based on ATP displacing DNA from nanoceria. <i>Talanta</i> , <b>2018</b> , 179, 285-291	6.2	22
199	Obtaining P2-Na <sub>0.56</sub> [Ni <sub>0.1</sub> Co <sub>0.1</sub> Mn <sub>0.8</sub> ]O <sub>2</sub> Cathode Materials for Sodium-Ion Batteries by using a Co-precipitation Method. <i>ChemElectroChem</i> , <b>2018</b> , 5, 3229-3235	4.3	9
198	A long-persistent phosphorescent chemosensor for the detection of TNP based on CaTiO:Pr@SiO photoluminescence materials.. <i>RSC Advances</i> , <b>2018</b> , 8, 16603-16610	3.7	7
197	A highly sensitive luminescent probe based on Ru(II)-bipyridine complex for Cu, l-Histidine detection and cellular imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 201, 161-169	4.4	10
196	Fluorescence assay for alkaline phosphatase activity based on energy transfer from terbium to europium in lanthanide coordination polymer nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 6008-6015	7.3	26
195	Simultaneous Discrimination of Single-Base Mismatch and Full Match Using a Label-Free Single-Molecule Strategy. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 8102-8107	7.8	4
194	Three-dimensional nanotube-array anode enables a flexible Ni/Zn fibrous battery to ultrafast charge and discharge in seconds. <i>Energy Storage Materials</i> , <b>2018</b> , 12, 232-240	19.4	49
193	Self-assembly of DNA nanoparticles through multiple catalyzed hairpin assembly for enzyme-free nucleic acid amplified detection. <i>Talanta</i> , <b>2018</b> , 179, 641-645	6.2	22
192	Boron- and Iron-Incorporated HCo(OH) <sub>2</sub> Ultrathin Nanosheets as an Efficient Oxygen Evolution Catalyst. <i>ChemElectroChem</i> , <b>2018</b> , 5, 593-597	4.3	16
191	Microwave-assisted synthesis of the cobalt-iron phosphates nanosheets as an efficient electrocatalyst for water oxidation. <i>Electrochimica Acta</i> , <b>2018</b> , 260, 420-429	6.7	27
190	Synthesis of water-soluble fluorescent carbon dots from <i>Setcreasea purpurea</i> boom and its application for Br <sub>2</sub> detection. <i>Analytical Methods</i> , <b>2018</b> , 10, 151-157	3.2	12
189	Functional reduced graphene oxide-based membranes with selective ion transport channels for zwitterionic ions separation based on the pH gradient. <i>Nanoscale</i> , <b>2018</b> , 10, 1119-1128	7.7	6

188	Ultra-fast pyrolysis of ferrocene to form Fe/C heterostructures as robust oxygen evolution electrocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21577-21584	13	31
187	Porous NiCoP in situ grown on Ni foam using molten-salt electrodeposition for asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 23746-23756	13	55
186	Highly Selective and Sensitive Luminescent Turn-On Probe for Pyrophosphate Detection in Aqueous Solution. <i>ChemistrySelect</i> , <b>2018</b> , 3, 10057-10063	1.8	4
185	The application of trans-1,4-diaminocyclohexane as a bicarbonate formation rate promoter in CO <sub>2</sub> capture. <i>Fuel</i> , <b>2018</b> , 226, 479-489	7.1	12
184	The application of microwave digestion in decomposing some refractory ore samples with solid fusion agent. <i>Talanta</i> , <b>2018</b> , 186, 538-544	6.2	7
183	Highly Selective, Naked-Eye, and Trace Discrimination between Perfect-Match and Mismatch Sequences Using a Plasmonic Nanoplatform. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7371-7376	7.8	24
182	First-Principles Study on the Adsorption of HF on Reduced Graphene Oxide. <i>ChemistrySelect</i> , <b>2018</b> , 3, 6979-6984	1.8	5
181	A phytic acid etched Ni/Fe nanostructure based flexible network as a high-performance wearable hybrid energy storage device. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 3274-3283	13	33
180	Phytic acid derived LiFePO <sub>4</sub> beyond theoretical capacity as high-energy density cathode for lithium ion battery. <i>Nano Energy</i> , <b>2017</b> , 34, 408-420	17.1	64
179	A selective and sensitive fluorescent probe for the determination of HSA and trypsin. <i>Talanta</i> , <b>2017</b> , 170, 562-568	6.2	27
178	Sodium Carboxymethylcellulose Derived Oxygen-Rich Porous Carbon Anodes for High-Performance Lithium/Sodium-Ion Batteries. <i>ChemElectroChem</i> , <b>2017</b> , 4, 458-458	4.3	2
177	Three-Dimensional Nanocomposite of Iron-Based Fluoride Loaded in N-Doped Porous Carbon as a High-Performance Cathode for Rechargeable Li-Ion Batteries. <i>ChemElectroChem</i> , <b>2017</b> , 4, 1856-1862	4.3	4
176	Sensitive determination of sulfonamides in environmental water by capillary electrophoresis coupled with both silvering detection window and in-capillary optical fiber light-emitting diode-induced fluorescence detector. <i>Electrophoresis</i> , <b>2017</b> , 38, 452-459	3.6	19
175	Surfactant-free gold nanoparticles: rapid and green synthesis and their greatly improved catalytic activities for 4-nitrophenol reduction. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 1268-1272	6.8	25
174	Self-Replicating Catalyzed Hairpin Assembly for Rapid Signal Amplification. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 11971-11975	7.8	42
173	A New Insight to the Color Change Phenomenon of TATB: Structural Color. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2017</b> , 42, 1247-1251	1.7	0
172	Surface and interface engineering of CoNi layered double hydroxides for efficient methanol oxidation reaction. <i>RSC Advances</i> , <b>2017</b> , 7, 45294-45303	3.7	11
171	Coupling cobalt-iron bimetallic nitrides and N-doped multi-walled carbon nanotubes as high-performance bifunctional catalysts for oxygen evolution and reduction reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 258, 51-60	6.7	44

- 170 Front Cover: Cyclometalated Rhodium(III) Complexes Based on Substituted 2-Phenylpyridine Ligands: Synthesis, Structures, Photophysics, Electrochemistry, and DNA-Binding Properties (Eur. J. Inorg. Chem. 36/2017). *European Journal of Inorganic Chemistry*, **2017**, 2017, 4147-4147 2.3
- 169 Cyclometalated Rhodium(III) Complexes Based on Substituted 2-Phenylpyridine Ligands: Synthesis, Structures, Photophysics, Electrochemistry, and DNA-Binding Properties. *European Journal of Inorganic Chemistry*, **2017**, 2017, 4148-4148 2.3
- 168 Cyclometalated Rhodium(III) Complexes Based on Substituted 2-Phenylpyridine Ligands: Synthesis, Structures, Photophysics, Electrochemistry, and DNA-Binding Properties. *European Journal of Inorganic Chemistry*, **2017**, 2017, 4149-4157 2.3 7
- 167 Tri-metallic phytate in situ electrodeposited on 3D Ni foam as a highly efficient electrocatalyst for enhanced overall water splitting. *Journal of Materials Chemistry A*, **2017**, 5, 18786-18792 13 18
- 166 Iron-Cobalt Phosphomolybdate with High Electrocatalytic Activity for Oxygen Evolution Reaction. *Chemistry - an Asian Journal*, **2017**, 12, 2694-2702 4.5 8
- 165 N-Doped carbon dots: green and efficient synthesis on a large-scale and their application in fluorescent pH sensing. *New Journal of Chemistry*, **2017**, 41, 10607-10612 3.6 45
- 164 Electrochemical formation of multilayered NiO film/Ni foam as a high-efficient anode for methanol electrolysis. *Journal of Solid State Electrochemistry*, **2017**, 21, 2301-2311 2.6 5
- 163 Integrated multi-ISE arrays with improved sensitivity, accuracy and precision. *Scientific Reports*, **2017**, 7, 44771 4.9 8
- 162 Ozone treatment of graphitic carbon nitride with enhanced photocatalytic activity under visible light irradiation. *Journal of Colloid and Interface Science*, **2017**, 505, 919-928 9.3 21
- 161 Sodium Carboxymethylcellulose Derived Oxygen-Rich Porous Carbon Anodes for High-Performance Lithium/Sodium-Ion Batteries. *ChemElectroChem*, **2017**, 4, 500-507 4.3 11
- 160 Nucleotide base analog pyrrolo-deoxycytidine as fluorescent probe signal for enzyme-free and signal amplified nucleic acids detection. *Talanta*, **2017**, 164, 34-38 6.2 12
- 159 A Hydrogen-Evolving Hybrid-Electrolyte Battery with Electrochemical/Photoelectrochemical Charging from Water Oxidation. *ChemSusChem*, **2017**, 10, 483-488 8.3 19
- 158 In situ formation of high performance Ni-phytate on Ni-foam for efficient electrochemical water oxidation. *Electrochemistry Communications*, **2017**, 74, 42-47 5.1 29
- 157 Self-driven mercury motor via redox reaction in acid solution. *RSC Advances*, **2017**, 7, 32552-32558 3.7 1
- 156 A specific and biocompatible fluorescent sensor based on the hybrid of GFP chromophore and peptide for HSA detection. *Biosensors and Bioelectronics*, **2016**, 86, 489-495 11.8 31
- 155 Target-catalyzed autonomous assembly of dendrimer-like DNA nanostructures for enzyme-free and signal amplified colorimetric nucleic acids detection. *Biosensors and Bioelectronics*, **2016**, 86, 985-989 11.8 43
- 154 A robust water oxidation electrocatalyst from amorphous cobalt-iron bimetallic phytate nanostructures. *Journal of Materials Chemistry A*, **2016**, 4, 15888-15895 13 25
- 153 Lithium and sodium storage in highly ordered mesoporous nitrogen-doped carbons derived from honey. *Journal of Power Sources*, **2016**, 335, 20-30 8.9 71



152	High lithium and sodium anodic performance of nitrogen-rich ordered mesoporous carbon derived from alfalfa leaves by a ball-milling assisted template method. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 17491-17502	13	24
151	Ultrasensitive Visual Detection of HIV DNA Biomarkers via a Multi-amplification Nanoplatfrom. <i>Scientific Reports</i> , <b>2016</b> , 6, 23949	4.9	28
150	Unusual sequence length-dependent gold nanoparticles aggregation of the ssDNA sticky end and its application for enzyme-free and signal amplified colorimetric DNA detection. <i>Scientific Reports</i> , <b>2016</b> , 6, 30878	4.9	23
149	Pumpkin-Derived Porous Carbon for Supercapacitors with High Performance. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 1828-36	4.5	40
148	Photoanode-immobilized molecular cobalt-based oxygen-evolving complexes with enhanced solar-to-fuel efficiency. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11228-11233	13	20
147	Three-Dimensional Co <sub>3</sub> O <sub>4</sub> Nanowires@Amorphous Ni(OH) <sub>2</sub> Ultrathin Nanosheets Hierarchical Structure for Electrochemical Energy Storage. <i>Electrochimica Acta</i> , <b>2016</b> , 191, 758-766	6.7	63
146	Facile fabrication of reduced graphene oxide covered ZnCo <sub>2</sub> O <sub>4</sub> porous nanowire array hierarchical structure on Ni-foam as a high performance anode for a lithium-ion battery. <i>RSC Advances</i> , <b>2016</b> , 6, 547-554	3.7	16
145	Target-triggered autonomous assembly of DNA polymer chains and its application in colorimetric nucleic acid detection. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 3191-3194	7.3	26
144	Three-dimensional coral-like cobalt selenide as an advanced electrocatalyst for highly efficient oxygen evolution reaction. <i>Electrochimica Acta</i> , <b>2016</b> , 194, 59-66	6.7	98
143	Synthesis of "amphiphilic" carbon dots and their application for the analysis of iodine species (I <sub>2</sub> , I <sup>-</sup> ) and IO <sub>3</sub> <sup>-</sup> ) in highly saline water. <i>Analyst, The</i> , <b>2016</b> , 141, 2508-14	5	15
142	Self-assembled hybrids with xanthate functionalized carbon nanotubes and electro-exfoliating graphene sheets for electrochemical sensing of copper ions. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 767, 100-107	4.1	19
141	Metallic Co <sub>2</sub> P ultrathin nanowires distinguished from CoP as robust electrocatalysts for overall water-splitting. <i>Green Chemistry</i> , <b>2016</b> , 18, 1459-1464	10	199
140	Highly Active 3D-Nanoarray-Supported Oxygen-Evolving Electrode Generated From Cobalt-Phytate Nanoplates. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 153-161	9.6	60
139	Sensitive and selective determination of GSH based on the ECL quenching of Ru(II) 1,10-phenanthroline-5,6-dione complex. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 182-7	11.8	14
138	One-Step Electrodeposition of S-Doped Cobalt-Nickel Layered Double Hydroxides on Conductive Substrates and their Electrocatalytic Activity in Alkaline Media. <i>ChemElectroChem</i> , <b>2016</b> , 3, 950-958	4.3	29
137	Ultrastrong Chemiluminescence Activity of Nanocarbon Materials after Ozonation and Their Effects on Different Chemiluminescent Systems. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 8966-71	4.8	1
136	An enhanced chemiluminescence bioplatform by confining glucose oxidase in hollow calcium carbonate particles. <i>Scientific Reports</i> , <b>2016</b> , 6, 24490	4.9	9
135	Sodium storage in fluorine-rich mesoporous carbon fabricated by low-temperature carbonization of polyvinylidene fluoride with a silica template. <i>RSC Advances</i> , <b>2016</b> , 6, 110850-110857	3.7	15

134	Three-dimensional flexible electrode derived from low-cost nickel phytate with improved electrochemical performance. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 9486-9495	13	22
133	A selective fluorescent probe based on bis-Schiff base for turn-on detection of Al <sup>3+</sup> and cysteine by different mechanisms. <i>RSC Advances</i> , <b>2016</b> , 6, 25420-25426	3-7	29
132	Iron and nickel co-doped cobalt hydroxide nanosheets with enhanced activity for oxygen evolution reaction. <i>RSC Advances</i> , <b>2016</b> , 6, 42255-42262	3-7	30
131	Porous nitrogen-doped carbon tubes derived from reed catkins as a high-performance anode for lithium ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 98434-98439	3-7	9
130	One pot selective synthesis of water and organic soluble carbon dots with green fluorescence emission. <i>RSC Advances</i> , <b>2015</b> , 5, 11667-11675	3-7	57
129	Solvothermal synthesis of oxygen/nitrogen functionalized graphene-like materials with diversified morphology from different carbon sources and their fluorescence properties. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 1300-1308	4-3	5
128	Nitrogen-rich porous carbon derived from biomass as a high performance anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 6534-6541	13	240
127	A trimetallic VCoBe oxide nanoparticle as an efficient and stable electrocatalyst for oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 17763-17770	13	99
126	Fast microwave-assisted synthesis of AuAg bimetallic nanoclusters with strong yellow emission and their response to mercury(II) ions. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 221, 386-392	8-5	39
125	Facile Fabrication of Mn <sub>2</sub> O <sub>3</sub> Nanoparticle-Assembled Hierarchical Hollow Spheres and Their Sensing for Hydrogen Peroxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9526-33	9-5	74
124	Hierarchical porous carbons fabricated from silica via flame synthesis as anode materials for high-performance lithium-ion batteries. <i>Ionics</i> , <b>2015</b> , 21, 1881-1891	2-7	12
123	A FRET chemsensor based on graphene quantum dots for detecting and intracellular imaging of Hg <sup>2+</sup> . <i>Talanta</i> , <b>2015</b> , 143, 442-449	6-2	36
122	Rapid microwave-assisted fabrication of 3D cauliflower-like NiCo <sub>2</sub> S <sub>4</sub> architectures for asymmetric supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 21604-21613	3-7	82
121	A Novel Pyrene Fluorescent Sensor Based on the Interaction Between Pyrene and Graphene of Graphene/Cadmium Telluride Quantum Dot Nanocomposites. <i>Spectroscopy Letters</i> , <b>2015</b> , 48, 748-756	1-1	4
120	Highly selective and sensitive fluorescence probe based on thymine-modified carbon dots for Hg <sup>2+</sup> and L-cysteine detection. <i>RSC Advances</i> , <b>2015</b> , 5, 89121-89127	3-7	24
119	An Organ-Like Titanium Carbide Material (MXene) with Multilayer Structure Encapsulating Hemoglobin for a Mediator-Free Biosensor. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, B16-B21	3-9	187
118	Self-assembled hollow urchin-like NiCo <sub>2</sub> O <sub>4</sub> microspheres for aqueous asymmetric supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 7575-7583	3-7	50
117	A polyaniline microtube platform for direct electron transfer of glucose oxidase and biosensing applications. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 1116-1124	7-3	31

116	Direct growth of NiCo <sub>2</sub> S <sub>x</sub> nanostructures on stainless steel with enhanced electrocatalytic activity for methanol oxidation. <i>RSC Advances</i> , <b>2015</b> , 5, 4092-4098	3.7	24
115	Self-enhanced electrogenerated chemiluminescence of ruthenium(II) complexes conjugated with Schiff bases. <i>Dalton Transactions</i> , <b>2015</b> , 44, 2208-16	4.3	20
114	A sensitive and selective chemosensor for ascorbic acid based on a fluorescent nitroxide switch. <i>Talanta</i> , <b>2015</b> , 132, 191-6	6.2	22
113	Three-Dimensional NiMoO <sub>4</sub> Nanosheets Supported on a Carbon Fibers@Pre-Treated Ni Foam (CF@PNF) Substrate as Advanced Electrodes for Asymmetric Supercapacitors. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 1745-52	4.5	22
112	Fabrication of Porous Nitrogen-Doped Carbon Materials as Anodes for High-Performance Lithium Ion Batteries. <i>Chinese Journal of Chemistry</i> , <b>2015</b> , 33, 1293-1302	4.9	19
111	Capillary column coated with graphene quantum dots for gas chromatographic separation of alkanes and aromatic isomers. <i>Analytical Methods</i> , <b>2015</b> , 7, 3229-3237	3.2	23
110	N-doped carbon dots with high sensitivity and selectivity for hypochlorous acid detection and its application in water. <i>Analytical Methods</i> , <b>2015</b> , 7, 5311-5317	3.2	24
109	Fabrication of microporous and mesoporous carbon spheres for high-performance supercapacitor electrode materials. <i>International Journal of Energy Research</i> , <b>2015</b> , 39, 805-811	4.5	41
108	Hydrogen peroxide assisted synthesis of LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> as high-performance cathode for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 280, 263-271	8.9	41
107	Enhanced electrocatalytic performance for oxygen reduction via active interfaces of layer-by-layered titanium nitride/titanium carbonitride structures. <i>Scientific Reports</i> , <b>2014</b> , 4, 6712	4.9	49
106	A time-dependent DFT study of the absorption and fluorescence properties of graphene quantum dots. <i>ChemPhysChem</i> , <b>2014</b> , 15, 950-7	3.2	69
105	Cation-Anion Interaction-Directed Molecular Design Strategy for Mechanochromic Luminescence. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 747-753	15.6	56
104	Microwave-assisted synthesis of nanosphere-like NiCo <sub>2</sub> O <sub>4</sub> consisting of porous nanosheets and its application in electro-catalytic oxidation of methanol. <i>Journal of Power Sources</i> , <b>2014</b> , 261, 317-323	8.9	109
103	Direct Determination of Gas pH and Carbon Dioxide Concentration with pH Electrodes. <i>Journal of Chemical Education</i> , <b>2014</b> , 91, 593-596	2.4	3
102	Rapid microwave-assisted green synthesis of 3D hierarchical flower-shaped NiCo <sub>2</sub> O <sub>4</sub> microspheres for high-performance supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 1773-80	9.5	405
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98	Magnetic-field-induced growth of silver dendrite-crystalline Liesegang rings. <i>CrystEngComm</i> , <b>2014</b> , 16, 6542-6546	3.3	7
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82	Double input capacitively coupled contactless conductivity detector with phase shift. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 10065-70	7.8	5
81	Effects of edge oxidation on the stability and half-metallicity of graphene quantum dots. <i>ChemPhysChem</i> , <b>2014</b> , 15, 157-64	3.2	12

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71	Determination of uric acid in human plasma and urine by microemulsion electrokinetic chromatography. <i>Analytical Methods</i> , <b>2013</b> , 5, 5201	3.2	5
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69	Enhancing catalytic formaldehyde oxidation on CuO/Ag <sub>2</sub> O nanowires for gas sensing and hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 14736	13	48
68	Biosensor for determination of hydrogen peroxide based on Yucca filamentosa membrane. <i>Analytical Methods</i> , <b>2013</b> , 5, 5437	3.2	5
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59	X-ray powder diffraction data for peiminine. <i>Powder Diffraction</i> , <b>2013</b> , 28, 312-314	1.8	1
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25	An improved sensitivity non-enzymatic glucose sensor based on a CuO nanowire modified Cu electrode. <i>Analyst, The</i> , <b>2008</b> , 133, 126-32	5	408
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15	A fluorescent dosimeter for formaldehyde determination using the Nash reagent in silica gel beads. <i>Mikrochimica Acta</i> , <b>2007</b> , 159, 305-310	5.8	14
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