

Shuo Chen

List of Publications by Year in descending order

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235
papers

14,998
citations

15504

65
h-index

21540

114
g-index

239
all docs

239
docs citations

239
times ranked

16057
citing authors

#	ARTICLE	IF	CITATIONS
1	Electroconductive RGO-MXene membranes with wettability-regulated channels: improved water permeability and electro-enhanced rejection performance. <i>Frontiers of Environmental Science and Engineering</i> , 2023, 17, .	6.0	12
2	Enhanced degradation of organic water pollutants by photocatalytic in-situ activation of sulfate based on Z-scheme g-C ₃ N ₄ /BiPO ₄ . <i>Chemical Engineering Journal</i> , 2022, 428, 132116.	12.7	48
3	Treatment of organic wastewater by a synergic electrocatalysis process with Ti ³⁺ self-doped TiO ₂ nanotube arrays electrode as both cathode and anode. <i>Journal of Hazardous Materials</i> , 2022, 424, 127747.	12.4	22
4	Reducing livestock snow disaster risk in the Qinghai-Tibetan Plateau due to warming and socioeconomic development. <i>Science of the Total Environment</i> , 2022, 813, 151869.	8.0	11
5	Catalyzed Michael addition, polycondensation, and the related performance of Diels-Alder self-healing crosslinked polyamides. <i>Polymer Engineering and Science</i> , 2022, 62, 1269-1280.	3.1	6
6	Implementation and Test of an IEC 61850-Based Automation Framework for the Automated Data Model Integration of DES (ADMID) into DSO SCADA. <i>Energies</i> , 2022, 15, 1552.	3.1	1
7	Fabrication of Flexible Mesoporous Black Nb ₂ O ₅ Nanofiber Films for Visible-Light-Driven Photocatalytic CO ₂ Reduction into CH ₄ . <i>Advanced Materials</i> , 2022, 34, e2200756.	21.0	104
8	Fabrication of FeOCl nanoparticles modified microchannel carbon cathode for flow-through electro-Fenton degradation of refractory organic pollutants. <i>Separation and Purification Technology</i> , 2022, 288, 120661.	7.9	23
9	Early assessment of chemotherapeutic response in hepatocellular carcinoma based on serum surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121314.	3.9	5
10	High-efficiency electrochemical activation of H ₂ O ₂ into \cdot OH enabled by flow-through FeOCl-modified carbon electrode for organic pollutants degradation. <i>Separation and Purification Technology</i> , 2022, 295, 121279.	7.9	6
11	Reinforcement Learning for QoS-Constrained Autonomous Resource Allocation with H ₂ H/M ₂ M Co-Existence in Cellular Networks. <i>IEICE Transactions on Communications</i> , 2022, E105.B, 1332-1341.	0.7	0
12	Prediction of the postoperative prognosis in patients with non-muscle-invasive bladder cancer based on preoperative serum surface-enhanced Raman spectroscopy. <i>Biomedical Optics Express</i> , 2022, 13, 4204.	2.9	4
13	Electro-assisted CNTs/ceramic flat sheet ultrafiltration membrane for enhanced antifouling and separation performance. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	27
14	Coding Convolutional Neural Networks as Spectral Transmittance for Intelligent Hyperspectral Remote Sensing in a Snapshot. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 1635-1639.	3.1	3
15	Operating redox couple transport mechanism for enhancing photocatalytic H ₂ generation of Pt and CrOx-decorated ZnCdS nanocrystals. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119601.	20.2	44
16	Degradation of aqueous bisphenol A in the CoCN/Vis/PMS system: Catalyst design, reaction kinetic and mechanism analysis. <i>Chemical Engineering Journal</i> , 2021, 407, 127228.	12.7	68
17	Identifying benign and malignant thyroid nodules based on blood serum surface-enhanced Raman spectroscopy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 32, 102328.	3.3	22
18	Rational band engineering and structural manipulations inducing high thermoelectric performance in n-type CoSb ₃ thin films. <i>Nano Energy</i> , 2021, 81, 105683.	16.0	82

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19	Synthesis and properties of self-healing crosslinked nonisocyanate polyurethanes from biobased diglycerol bis(cyclic carbonate). <i>Polymer Engineering and Science</i> , 2021, 61, 497-505.	3.1	6
20	Photocatalytic ozonation of organic pollutants in wastewater using a flowing through reactor. <i>Journal of Hazardous Materials</i> , 2021, 405, 124277.	12.4	24
21	Detecting urine metabolites of bladder cancer by surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119108.	3.9	25
22	Electroluminescent materials toward near ultraviolet region. <i>Chemical Society Reviews</i> , 2021, 50, 8639-8668.	38.1	63
23	Synthesis and properties of strong and tough Diels-Alder self-healing crosslinked polyamides. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	9
24	$\text{In-Cu}_2\text{Se}$ thermoelectric thin films prepared by copper sputtering into selenium precursor layers. <i>Chemical Engineering Journal</i> , 2021, 410, 128444.	12.7	48
25	Identifying functioning and nonfunctioning adrenal tumors based on blood serum surface-enhanced Raman spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4289-4299.	3.7	9
26	Efficient Light-Driven Fuel Cell with Simultaneous Degradation of Pollutants on a TiO_2 Photoanode and Production of H_2O_2 on a Gas Diffusion Electrode Cathode. <i>ACS ES&T Engineering</i> , 2021, 1, 1122-1130.	7.6	11
27	Efficient electrochemical nitrate removal on Cu and nitrogen doped carbon. <i>Chemical Engineering Journal</i> , 2021, 415, 128958.	12.7	36
28	Highly efficient metal-free electro-Fenton degradation of organic contaminants on a bifunctional catalyst. <i>Journal of Hazardous Materials</i> , 2021, 416, 125859.	12.4	49
29	Predicting prognosis in acute myeloid leukemia patients by surface-enhanced Raman spectroscopy. <i>Nanomedicine</i> , 2021, 16, 1873-1885.	3.3	5
30	Identification and assessment of pulmonary <i>Cryptococcus neoformans</i> infection by blood serum surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 260, 119978.	3.9	9
31	Flow-through heterogeneous electro-Fenton system based on the absorbent cotton derived bulk electrode for refractory organic pollutants treatment. <i>Separation and Purification Technology</i> , 2021, 276, 119266.	7.9	30
32	Selective reduction of nitrate to ammonium over charcoal electrode derived from natural wood. <i>Chemosphere</i> , 2021, 285, 131501.	8.2	16
33	Enhanced Chlorinated Pollutant Degradation by the Synergistic Effect between Dechlorination and Hydroxyl Radical Oxidation on a Bimetallic Single-Atom Catalyst. <i>Environmental Science & Technology</i> , 2021, 55, 14194-14203.	10.0	70
34	Preparation of antimonene nanosheets and their thermoelectric nanocomposites. <i>Composites Communications</i> , 2021, 28, 100968.	6.3	7
35	Durable and Selective Electrochemical H_2O_2 Synthesis under a Large Current Enabled by the Cathode with Highly Hydrophobic Three-Phase Architecture. <i>ACS Catalysis</i> , 2021, 11, 13797-13808.	11.2	59
36	Construction of a Microchannel Aeration Cathode for Producing H_2O_2 via Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 56045-56053.	8.0	14

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37	Accelerating Monte Carlo simulation of light propagation in tissue mimicking turbid medium based on generative adversarial networks. <i>Medical Physics</i> , 2021, , .	3.0	4
38	Selective electrochemical H ₂ O ₂ generation and activation on a bifunctional catalyst for heterogeneous electro-Fenton catalysis. <i>Journal of Hazardous Materials</i> , 2020, 382, 121102.	12.4	137
39	Efficient electrochemical reduction of nitrobenzene by nitrogen doped porous carbon. <i>Chemosphere</i> , 2020, 238, 124636.	8.2	25
40	Porous carbon membrane with enhanced selectivity and antifouling capability for water treatment under electrochemical assistance. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 59-68.	9.4	30
41	Thermally and electrically conductive multifunctional sensor based on epoxy/graphene composite. <i>Nanotechnology</i> , 2020, 31, 075702.	2.6	64
42	Construction of a Microchannel Electrochemical Reactor with a Monolithic Porous-Carbon Cathode for Adsorption and Degradation of Organic Pollutants in Several Minutes of Retention Time. <i>Environmental Science & Technology</i> , 2020, 54, 1920-1928.	10.0	30
43	Enhanced thermoelectric properties of Sb ₂ Te ₃ /CH ₃ NH ₃ I hybrid thin films by post-annealing. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 198-203.	6.0	3
44	Tuning Lewis acidity of MIL-88B-Fe with mix-valence coordinatively unsaturated iron centers on ultrathin Ti ₃ C ₂ nanosheets for efficient photo-Fenton reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118534.	20.2	102
45	Efficient day-night photocatalysis performance of 2D/2D Ti ₃ C ₂ /Porous g-C ₃ N ₄ nanolayers composite and its application in the degradation of organic pollutants. <i>Chemosphere</i> , 2020, 246, 125760.	8.2	89
46	Constructing efficient WO ₃ -FPC system for photoelectrochemical H ₂ O ₂ production and organic pollutants degradation. <i>Chemical Engineering Journal</i> , 2020, 389, 123427.	12.7	23
47	High-performance bismuth telluride thermoelectric thin films fabricated by using the two-step single-source thermal evaporation. <i>Journal of Alloys and Compounds</i> , 2020, 819, 153027.	5.5	29
48	Efficient and stable heterogeneous electro-Fenton system using iron oxides embedded in Cu, N co-doped hollow porous carbon as functional electrocatalyst. <i>Separation and Purification Technology</i> , 2020, 238, 116424.	7.9	50
49	High Open-Circuit Voltage in Full-Inorganic Sb ₂ S ₃ Solar Cell via Modified Zn-Doped TiO ₂ Electron Transport Layer. <i>Solar Rrl</i> , 2020, 4, 2000551.	5.8	29
50	Structure, Morphology, and Photoelectric Performances of Te-Sb ₂ Se ₃ Thin Film Prepared via Magnetron Sputtering. <i>Nanomaterials</i> , 2020, 10, 1358.	4.1	13
51	Electrokinetic Enhancement of Water Flux and Ion Rejection through Graphene Oxide/Carbon Nanotube Membrane. <i>Environmental Science & Technology</i> , 2020, 54, 15433-15441.	10.0	33
52	Enhanced Photocatalytic H ₂ O ₂ Production over Carbon Nitride by Doping and Defect Engineering. <i>ACS Catalysis</i> , 2020, 10, 14380-14389.	11.2	265
53	Fabrication of Sb ₂ S ₃ thin films by magnetron sputtering and post-sulfurization/selenization for substrate structured solar cells. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154235.	5.5	40
54	High-Efficiency Electrocatalysis of Molecular Oxygen toward Hydroxyl Radicals Enabled by an Atomically Dispersed Iron Catalyst. <i>Environmental Science & Technology</i> , 2020, 54, 12662-12672.	10.0	114

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55	Examining the Interfacial Defect Passivation with Chlorinated Organic Salt for Highly Efficient and Stable Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000358.	5.8	19
56	Sputtered and selenized Sb ₂ Se ₃ thin-film solar cells with open-circuit voltage exceeding 500ÅmV. <i>Nano Energy</i> , 2020, 73, 104806.	16.0	152
57	Electrochemical activation of peroxymonosulfate in cathodic micro-channels for effective degradation of organic pollutants in wastewater. <i>Journal of Hazardous Materials</i> , 2020, 398, 122879.	12.4	31
58	Utilizing transparent and conductive SnO ₂ as electron mediator to enhance the photocatalytic performance of Z-scheme Si-SnO ₂ -TiO _x . <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	6.0	4
59	Label-free detection of multiple genitourinary cancers from urine by surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 240, 118543.	3.9	20
60	Effect of organic nano-components on the thermoelectric properties of Sb ₂ Te ₃ nanocrystal thin film. <i>Scripta Materialia</i> , 2020, 185, 105-110.	5.2	5
61	Selective electroreduction of CO ₂ to acetone by single copper atoms anchored on N-doped porous carbon. <i>Nature Communications</i> , 2020, 11, 2455.	12.8	265
62	Dataset of trend-preserving bias-corrected daily temperature, precipitation and wind from NEX-GDDP and CMIP5 over the Qinghai-Tibet Plateau. <i>Data in Brief</i> , 2020, 31, 105733.	1.0	10
63	Fundamental Physical Characterization of Sb ₂ Se ₃ -Based Quasi-Homojunction Thin Film Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30572-30583.	8.0	30
64	Enhancing anaerobic digestion in anaerobic integrated floating fixed-film activated sludge (An-IFFAS) system using novel electron mediator suspended biofilm carriers. <i>Water Research</i> , 2020, 175, 115697.	11.3	36
65	Predicting Unnecessary Nodule Biopsies from a Small, Unbalanced, and Pathologically Proven Dataset by Transfer Learning. <i>Journal of Digital Imaging</i> , 2020, 33, 685-696.	2.9	5
66	An effective combination reaction involved with sputtered and selenized Sb precursors for efficient Sb ₂ Se ₃ thin film solar cells. <i>Chemical Engineering Journal</i> , 2020, 393, 124599.	12.7	95
67	Nanoplatin of a SnO ₂ thin-film on MXene-based sponge for stable and efficient solar energy conversion. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8065-8074.	10.3	19
68	Device Postannealing Enabling over 12% Efficient Solution-Processed Cu ₂ ZnSnS ₄ Solar Cells with Cd ²⁺ Substitution. <i>Advanced Materials</i> , 2020, 32, e2000121.	21.0	201
69	Temperature-difference-induced electricity during solar desalination with bilayer MXene-based monoliths. <i>Nano Energy</i> , 2020, 76, 105060.	16.0	37
70	Tortuosity of Retinal Main and Branching Arterioles, Venules in Patients With Type 2 Diabetes and Diabetic Retinopathy in China. <i>IEEE Access</i> , 2020, 8, 6201-6208.	4.2	5
71	Spark plasma sintering of Sb ₂ Se ₃ sputtering target towards highly efficient thin film solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2020, 211, 110530.	6.2	17
72	Energy-transfer-mediated oxygen activation in carbonyl functionalized carbon nitride nanosheets for high-efficient photocatalytic water disinfection and organic pollutants degradation. <i>Water Research</i> , 2020, 177, 115798.	11.3	68

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73	A surface-enhanced Raman scattering-based probe method for detecting chromogranin A in adrenal tumors. <i>Nanomedicine</i> , 2020, 15, 397-407.	3.3	3
74	Programmable hyperspectral microscopy for high-contrast biomedical imaging in a snapshot. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	2
75	Enhanced nitrification in integrated floating fixed-film activated sludge (IFFAS) system using novel clinoptilolite composite carrier. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	13
76	A State-of-the-Art Survey for Microorganism Image Segmentation Methods and Future Potential. <i>IEEE Access</i> , 2019, 7, 100243-100269.	4.2	53
77	Vertically Aligned Janus MXene-Based Aerogels for Solar Desalination with High Efficiency and Salt Resistance. <i>ACS Nano</i> , 2019, 13, 13196-13207.	14.6	280
78	Assessing the effectiveness of artificial intelligence methods for melanoma: A retrospective review. <i>Journal of the American Academy of Dermatology</i> , 2019, 81, 1176-1180.	1.2	35
79	Design of a Single-Lens Freeform-Prism-Based Distortion-Free Stereovision System. <i>IEEE Photonics Journal</i> , 2019, 11, 1-10.	2.0	1
80	Efficient H ₂ O ₂ generation and electro-Fenton degradation of pollutants in microchannels of oxidized monolithic-porous-carbon cathode. <i>Water Science and Technology</i> , 2019, 80, 970-978.	2.5	8
81	A Programmable Optical Filter With Arbitrary Transmittance for Fast Spectroscopic Imaging and Spectral Data Post-Processing. <i>IEEE Access</i> , 2019, 7, 119294-119308.	4.2	4
82	Magnetron sputtered Sb ₂ Se ₃ -based thin films towards high performance quasi-homojunction thin film solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2019, 203, 110154.	6.2	32
83	High Spectral Resolution Raman Measurements Using Light-Emitting Diode as Excitation Based on Weighted Spectral Reconstruction Method. <i>IEEE Access</i> , 2019, 7, 134828-134837.	4.2	0
84	Enhanced activation of peroxymonosulfate by CNT-TiO ₂ under UV-light assistance for efficient degradation of organic pollutants. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	28
85	Low-Cost and Highly Sensitive Wearable Sensor Based on Napkin for Health Monitoring. <i>Sensors</i> , 2019, 19, 3427.	3.8	30
86	Carbon nanotubes-incorporated MIL-88B-Fe as highly efficient Fenton-like catalyst for degradation of organic pollutants. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	49
87	Enhanced catalytic ozonation by highly dispersed CeO ₂ on carbon nanotubes for mineralization of organic pollutants. <i>Journal of Hazardous Materials</i> , 2019, 368, 621-629.	12.4	71
88	Enhanced heterogeneous activation of peroxymonosulfate by Co and N codoped porous carbon for degradation of organic pollutants: the synergism between Co and N. <i>Environmental Science: Nano</i> , 2019, 6, 399-410.	4.3	129
89	Mechanical properties and reaction products of reactive magnesia and CFB slag/silica fume pastes. <i>Advances in Cement Research</i> , 2019, 31, 297-307.	1.6	3
90	Templated nanoreactor arrays for nanoscale-tunable liquid-phase catalysis. <i>Chemical Communications</i> , 2019, 55, 6575-6578.	4.1	3

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91	Fabrication of a double-helical photocatalytic module for disinfection and antibiotics degradation. <i>Water Environment Research</i> , 2019, 91, 918-925.	2.7	1
92	Performing homogeneous catalytic ozonation using heterogeneous Mn ²⁺ -bonded oxidized carbon nanotubes by self-driven pH variation induced reversible desorption and adsorption of Mn ²⁺ . <i>Environmental Science: Nano</i> , 2019, 6, 1932-1940.	4.3	12
93	Weighted spectral reconstruction method for discrimination of bacterial species with low signal-to-noise ratio Raman measurements. <i>RSC Advances</i> , 2019, 9, 9500-9508.	3.6	11
94	Comparison of CNT-PVA membrane and commercial polymeric membranes in treatment of emulsified oily wastewater. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	23
95	Enhanced Perfluorooctanoic Acid Degradation by Electrochemical Activation of Sulfate Solution on B/N Codoped Diamond. <i>Environmental Science & Technology</i> , 2019, 53, 5195-5201.	10.0	91
96	Improvement of Antifouling and Antimicrobial Abilities on Silver-Carbon Nanotube Based Membranes under Electrochemical Assistance. <i>Environmental Science & Technology</i> , 2019, 53, 5292-5300.	10.0	45
97	Preoperative Prediction of Axillary Lymph Node Metastasis in Breast Cancer using Radiomics Features of DCE-MRI. <i>Scientific Reports</i> , 2019, 9, 2240.	3.3	56
98	Electrochemical reduction of N ₂ to ammonia on Co single atom embedded N-doped porous carbon under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26358-26363.	10.3	51
99	Efficient photo-Fenton activity in mesoporous MIL-100(Fe) decorated with ZnO nanosphere for pollutants degradation. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 428-438.	20.2	187
100	Micron-Scale Photodetectors Based on One-Dimensional Single-Crystalline Sb ₂ S ₃ Microrods: Simultaneously Improving Responsivity and Extending Spectral Response Region. <i>Journal of Physical Chemistry C</i> , 2019, 123, 810-816.	3.1	14
101	Rapid and sensitive detection of <i>Acidovorax citrulli</i> in cucurbit seeds by visual loop-mediated isothermal amplification assay. <i>Journal of Phytopathology</i> , 2019, 167, 10-18.	1.0	6
102	Improving Ion Rejection of Conductive Nanofiltration Membrane through Electrically Enhanced Surface Charge Density. <i>Environmental Science & Technology</i> , 2019, 53, 868-877.	10.0	83
103	Low-cost fabrication of a paper-based microfluidic using a folded pattern paper. <i>Analytica Chimica Acta</i> , 2019, 1053, 131-138.	5.4	40
104	Identifying non-muscle-invasive and muscle-invasive bladder cancer based on blood serum surface-enhanced Raman spectroscopy. <i>Biomedical Optics Express</i> , 2019, 10, 3533.	2.9	43
105	Combined Effects of Surface Charge and Pore Size on Co-Enhanced Permeability and Ion Selectivity through RGO-OCNT Nanofiltration Membranes. <i>Environmental Science & Technology</i> , 2018, 52, 4827-4834.	10.0	79
106	Exquisite Enzyme-Fenton Biomimetic Catalysts for Hydroxyl Radical Production by Mimicking an Enzyme Cascade. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8666-8675.	8.0	24
107	Enhanced adsorption of ionizable antibiotics on activated carbon fiber under electrochemical assistance in continuous-flow modes. <i>Water Research</i> , 2018, 134, 162-169.	11.3	47
108	Constructing BiVO ₄ -Au@CdS photocatalyst with energetic charge-carrier-separation capacity derived from facet induction and Z-scheme bridge for degradation of organic pollutants. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 258-265.	20.2	100

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109	Enhanced separation performance of carbon nanotube-polyvinyl alcohol composite membranes for emulsified oily wastewater treatment under electrical assistance. <i>Separation and Purification Technology</i> , 2018, 197, 107-115.	7.9	50
110	Structuring phase junction between tri-s-triazine and triazine crystalline C ₃ N ₄ for efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 153-160.	20.2	139
111	Facile Ammonia Synthesis from Electrocatalytic N ₂ Reduction under Ambient Conditions on N-Doped Porous Carbon. <i>ACS Catalysis</i> , 2018, 8, 1186-1191.	11.2	520
112	Highly Permeable Thin-Film Composite Forward Osmosis Membrane Based on Carbon Nanotube Hollow Fiber Scaffold with Electrically Enhanced Fouling Resistance. <i>Environmental Science & Technology</i> , 2018, 52, 1444-1452.	10.0	56
113	Heterogeneous activation of peroxymonosulfate by LaCo _{1-x} Cu _x O ₃ perovskites for degradation of organic pollutants. <i>Journal of Hazardous Materials</i> , 2018, 353, 401-409.	12.4	249
114	Carbon nitride with electron storage property: Enhanced exciton dissociation for high-efficient photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 99-106.	20.2	99
115	Enhancing nitrogen removal efficiency in a dyestuff wastewater treatment plant with the IFFAS process: the pilot-scale and full-scale studies. <i>Water Science and Technology</i> , 2018, 77, 70-78.	2.5	7
116	Fluorine-doped carbon nanotubes as an efficient metal-free catalyst for destruction of organic pollutants in catalytic ozonation. <i>Chemosphere</i> , 2018, 190, 135-143.	8.2	75
117	Enhanced H ₂ O ₂ production by selective electrochemical reduction of O ₂ on fluorine-doped hierarchically porous carbon. <i>Journal of Catalysis</i> , 2018, 357, 118-126.	6.2	252
118	Effective adsorption of sulfamethoxazole, bisphenol A and methyl orange on nanoporous carbon derived from metal-organic frameworks. <i>Journal of Environmental Sciences</i> , 2018, 63, 250-259.	6.1	68
119	Serum microRNA-221 as a biomarker for diabetic retinopathy in patients associated with type 2 diabetes. <i>International Journal of Ophthalmology</i> , 2018, 11, 1889-1894.	1.1	29
120	Direct growth of ultra-permeable molecularly thin porous graphene membranes for water treatment. <i>Environmental Science: Nano</i> , 2018, 5, 3004-3010.	4.3	5
121	Superpermeable nanoporous carbon-based catalytic membranes for electro-Fenton driven high-efficiency water treatment. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23502-23512.	10.3	8
122	A Fast Fluorescence Background Suppression Method for Raman Spectroscopy Based on Stepwise Spectral Reconstruction. <i>IEEE Access</i> , 2018, 6, 67709-67717.	4.2	13
123	Two-Dimensional Lead Monoxide: Facile Liquid Phase Exfoliation, Excellent Photoresponse Performance, and Theoretical Investigation. <i>ACS Photonics</i> , 2018, 5, 5055-5067.	6.6	47
124	Analysis and classification of kidney stones based on Raman spectroscopy. <i>Biomedical Optics Express</i> , 2018, 9, 4175.	2.9	39
125	A high performance broadband photodetector based on (Sn _x Sb _{1-x}) ₂ Se ₃ nanorods with enhanced electrical conductivity. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11078-11085.	5.5	24
126	Enhanced electrical conductivity and photoconductive properties of Sn-doped Sb ₂ Se ₃ crystals. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6465-6470.	5.5	34

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127	Fabrication of TiO ₂ /Si photoanode and its energetic photoelectrochemical performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 12700-12706.	2.2	3
128	Photoelectrochemical aptasensor for sulfadimethoxine using g-C ₃ N ₄ quantum dots modified with reduced graphene oxide. <i>Mikrochimica Acta</i> , 2018, 185, 345.	5.0	38
129	Enhanced heterogeneous Fenton-like activity by Cu-doped BiFeO ₃ perovskite for degradation of organic pollutants. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	6.0	26
130	Enhanced electro-Fenton performance by fluorine-doped porous carbon for removal of organic pollutants in wastewater. <i>Chemical Engineering Journal</i> , 2018, 354, 606-615.	12.7	91
131	A surface plasmon-enhanced nanozyme-based fenton process for visible-light-driven aqueous ammonia oxidation. <i>Green Chemistry</i> , 2018, 20, 4067-4074.	9.0	16
132	CO ₂ Electroreduction at Low Overpotential on Oxide-Derived Cu/Carbons Fabricated from Metal Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5302-5311.	8.0	239
133	Poly(vinylidene fluoride) hollow fiber membranes containing silver/graphene oxide dope with excellent filtration performance. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	21
134	Enhanced activation of peroxymonosulfate by nitrogen doped porous carbon for effective removal of organic pollutants. <i>Carbon</i> , 2017, 115, 730-739.	10.3	372
135	Fabrication of graphitic-C ₃ N ₄ quantum dots coated silicon nanowire array as a photoelectrode for vigorous degradation of 4-chlorophenol. <i>RSC Advances</i> , 2017, 7, 14832-14836.	3.6	19
136	Superpermeable Atomic-Thin Graphene Membranes with High Selectivity. <i>ACS Nano</i> , 2017, 11, 1920-1926.	14.6	45
137	Facile Synthesis of In ₂ Se ₃ Nanoflowers toward High Performance Self-Powered Broadband In ₂ Se ₃ /Si Heterojunction Photodiode. <i>Small</i> , 2017, 13, 1604033.	10.0	64
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