

Yuehe Lin

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.

563
papers

54,957
citations

116
h-index

214
g-index

581
ext. papers

61,279
ext. citations

8.8
avg, IF

8.09
L-index

#	Paper	IF	Citations
563	Recent advances in biomedical applications of 2D nanomaterials with peroxidase-like properties.. <i>Advanced Drug Delivery Reviews</i> , 2022 , 114269	18.5	2
562	Au@PtPd enhanced immunoassay with 3D printed smartphone device for quantification of diaminochlorotriazine (DACT), the major atrazine biomarker.. <i>Biosensors and Bioelectronics</i> , 2022 , 208, 114190	11.8	1
561	Zeptomole Imaging of Cytosolic MicroRNA Cancer Biomarkers with A Light-Controlled Nanoantenna. <i>Nano-Micro Letters</i> , 2021 , 13, 213	19.5	0
560	Selective Removal of Perfluorobutyric Acid Using an Electroactive Ion Exchanger Based on Polypyrrole@Iron Oxide on Carbon Cloth. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 48500-48507	9.5	2
559	Hierarchical Metal-Organic Framework-Confined CsPbBr Quantum Dots and Aminated Carbon Dots: A New Self-Sustaining Suprastructure for Electrochemiluminescence Bioanalysis. <i>Analytical Chemistry</i> , 2021 , 93, 1818-1825	7.8	23
558	Highly Bright and Photostable Two-Dimensional Nanomaterials Assembled from Sequence-Defined Peptoids 2021 , 3, 420-427		6
557	Nanozyme-involved biomimetic cascade catalysis for biomedical applications. <i>Materials Today</i> , 2021 , 44, 211-228	21.8	35
556	Sequence-Defined Nanotubes Assembled from IR780-Conjugated Peptoids for Chemophototherapy of Malignant Glioma. <i>Research</i> , 2021 , 2021, 9861384	7.8	0
555	Single-Atomic Site Catalyst with Heme Enzymes-Like Active Sites for Electrochemical Sensing of Hydrogen Peroxide. <i>Small</i> , 2021 , 17, e2100664	11	22
554	Programmable two-dimensional nanocrystals assembled from POSS-containing peptoids as efficient artificial light-harvesting systems. <i>Science Advances</i> , 2021 , 7,	14.3	4
553	Highly Dispersive Cerium Atoms on Carbon Nanowires as Oxygen Reduction Reaction Electrocatalysts for Zn-Air Batteries. <i>Nano Letters</i> , 2021 , 21, 4508-4515	11.5	22
552	Iron-Imprinted Single-Atomic Site Catalyst-Based Nanoprobe for Detection of Hydrogen Peroxide in Living Cells. <i>Nano-Micro Letters</i> , 2021 , 13, 146	19.5	9
551	Recent advances in synergistically enhanced single-atomic site catalysts for boosted oxygen reduction reaction. <i>Nano Energy</i> , 2021 , 84, 105817	17.1	25
550	Recent progress on single-atom catalysts for CO2 electroreduction. <i>Materials Today</i> , 2021 , 48, 95-95	21.8	20
549	Bio-Coreactant-Enhanced Electrochemiluminescence Microscopy of Intracellular Structure and Transport. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4907-4914	16.4	36
548	Bio-Coreactant-Enhanced Electrochemiluminescence Microscopy of Intracellular Structure and Transport. <i>Angewandte Chemie</i> , 2021 , 133, 4957-4964	3.6	13
547	Biosensors based on fluorescence carbon nanomaterials for detection of pesticides. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 134, 116126	14.6	41

546	An Ion-Imprinting Derived Strategy to Synthesize Single-Atom Iron Electrocatalysts for Oxygen Reduction. <i>Small</i> , 2021 , 17, e2004454	11	24
545	Single-atom catalysts boost signal amplification for biosensing. <i>Chemical Society Reviews</i> , 2021 , 50, 750-765	36.5	49
544	Protein-based nanomaterials and nanosystems for biomedical applications: A review. <i>Materials Today</i> , 2021 , 43, 166-184	21.8	17
543	Insights on forming N,O-coordinated Cu single-atom catalysts for electrochemical reduction CO to methane. <i>Nature Communications</i> , 2021 , 12, 586	17.4	69
542	Self-Assembling Allochroic Nanocatalyst for Improving Nanozyme-Based Immunochromatographic Assays. <i>ACS Sensors</i> , 2021 , 6, 220-228	9.2	8
541	Nanomaterial-enhanced 3D-printed sensor platform for simultaneous detection of atrazine and acetochlor. <i>Biosensors and Bioelectronics</i> , 2021 , 184, 113238	11.8	21
540	Aptamer functionalized nanomaterials for biomedical applications: Recent advances and new horizons. <i>Nano Today</i> , 2021 , 39, 101177	17.9	28
539	Understanding the Synergistic Oxidation in Dichalcogenides through Electrochemiluminescence Blinking at Millisecond Resolution. <i>Advanced Materials</i> , 2021 , 33, e2105039	24	2
538	Smartphone-Based Dual-Channel Immunochromatographic Test Strip with Polymer Quantum Dot Labels for Simultaneous Detection of Cypermethrin and 3-Phenoxybenzoic Acid. <i>Analytical Chemistry</i> , 2021 , 93, 13658-13666	7.8	4
537	Molecularly imprinted polypyrrole nanotubes based electrochemical sensor for glyphosate detection. <i>Biosensors and Bioelectronics</i> , 2021 , 191, 113434	11.8	22
536	Carbon nanodot-hybridized silica nanospheres assisted immunoassay for sensitive detection of Escherichia coli. <i>Sensors and Actuators B: Chemical</i> , 2021 , 349, 130730	8.5	5
535	Mesoporous PtPd nanoparticles for ligand-mediated and imaging-guided chemo-photothermal therapy of breast cancer. <i>Nano Research</i> , 2020 , 13, 1739-1748	10	10
534	Paper-based ITP technology: An application to specific cancer-derived exosome detection and analysis. <i>Biosensors and Bioelectronics</i> , 2020 , 164, 112292	11.8	19
533	Emerging Applications of Additive Manufacturing in Biosensors and Bioanalytical Devices. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000171	6.8	18
532	Controlled Synthesis of EDTA-Modified Porous Hollow Copper Microspheres for High-Efficiency Conversion of CO to Multicarbon Products. <i>Nano Letters</i> , 2020 , 20, 4823-4828	11.5	20
531	Hydrogen Evolution Reaction Monitored by Electrochemiluminescence Blinking at Single-Nanoparticle Level. <i>Nano Letters</i> , 2020 , 20, 5008-5016	11.5	35
530	Highly quaternized polystyrene ionomers for high performance anion exchange membrane water electrolyzers. <i>Nature Energy</i> , 2020 , 5, 378-385	62.3	147
529	Overcoming blood-brain barrier transport: Advances in nanoparticle-based drug delivery strategies. <i>Materials Today</i> , 2020 , 37, 112-125	21.8	75

528	Smart polymers and nanocomposites for 3D and 4D printing. <i>Materials Today</i> , 2020 , 40, 215-245	21.8	59
527	Eyeball-Like Yolk-Shell Bimetallic Nanoparticles for Synergistic Photodynamic-Photothermal Therapy.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5922-5929	4.1	8
526	High-performance dual-channel ratiometric colorimetric sensing of phosphate ion based on target-induced differential oxidase-like activity changes of Ce-Zr bimetal-organic frameworks. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128546	8.5	25
525	Electrocatalytic CO ₂ Reduction: Electrode Materials Engineering in Electrocatalytic CO ₂ Reduction: Energy Input and Conversion Efficiency (Adv. Mater. 27/2020). <i>Advanced Materials</i> , 2020 , 32, 2070202	24	10
524	Size-selected and surface-passivated CsPbBr perovskite nanocrystals for self-enhanced electrochemiluminescence in aqueous media. <i>Nanoscale</i> , 2020 , 12, 7321-7329	7.7	17
523	Stable and Monochromatic All-Inorganic Halide Perovskite Assisted by Hollow Carbon Nitride Nanosphere for Ratiometric Electrochemiluminescence Bioanalysis. <i>Analytical Chemistry</i> , 2020 , 92, 4123-4130	7.8	29
522	Stabilizing Single-Atom Iron Electrocatalysts for Oxygen Reduction via Ceria Confining and Trapping. <i>ACS Catalysis</i> , 2020 , 10, 2452-2458	13.1	55
521	2D Single-Atom Catalyst with Optimized Iron Sites Produced by Thermal Melting of Metal-Organic Frameworks for Oxygen Reduction Reaction. <i>Small Methods</i> , 2020 , 4, 1900827	12.8	63
520	Controlling Surface Phase Transition and Chemical Reactivity of O ₃ -Layered Metal Oxide Cathodes for High-Performance Na-Ion Batteries. <i>ACS Energy Letters</i> , 2020 , 5, 1718-1725	20.1	38
519	Mesoporous Pd@Pt nanoparticle-linked immunosorbent assay for detection of atrazine. <i>Analytica Chimica Acta</i> , 2020 , 1116, 36-44	6.6	15
518	Nanomaterial-based sensors and biosensors for enhanced inorganic arsenic detection: A functional perspective. <i>Sensors and Actuators B: Chemical</i> , 2020 , 315, 128100	8.5	24
517	Electrode Materials Engineering in Electrocatalytic CO Reduction: Energy Input and Conversion Efficiency. <i>Advanced Materials</i> , 2020 , 32, e1903796	24	40
516	Single-Atom Nanozymes Linked Immunosorbent Assay for Sensitive Detection of Aβ ₁₋₄₀ : A Biomarker of Alzheimer's Disease. <i>Research</i> , 2020 , 2020, 4724505	7.8	21
515	Boosting the activity of Fe-N _x moieties in Fe-N-C electrocatalysts via phosphorus doping for oxygen reduction reaction. <i>Science China Materials</i> , 2020 , 63, 965-971	7.1	31
514	Integrating ionic liquids with molecular imprinting technology for biorecognition and biosensing: A review. <i>Biosensors and Bioelectronics</i> , 2020 , 149, 111830	11.8	49
513	Highly-defective Fe-N-C catalysts towards pH-Universal oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 118347	21.8	68
512	Recent advances in carbon dots for bioimaging applications. <i>Nanoscale Horizons</i> , 2020 , 5, 218-234	10.8	107
511	Enhancing Chemical Interaction of Polysulfide and Carbon through Synergetic Nitrogen and Phosphorus Doping. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 806-813	8.3	10

510	Metal-Organic Frameworks Based Porous Carbons for Oxygen Reduction Reaction Electrocatalysts for Fuel Cell Applications 2020 , 251-284		2
509	Review Nanozyme-Based Immunosensors and Immunoassays: Recent Developments and Future Trends. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 037508	3.9	39
508	Tuning single atom-nanoparticle ratios of Ni-based catalysts for synthesis gas production from CO ₂ . <i>Applied Catalysis B: Environmental</i> , 2020 , 264, 118502	21.8	23
507	Tuning Sn ₃ O ₄ for CO ₂ reduction to formate with ultra-high current density. <i>Nano Energy</i> , 2020 , 77, 1052961	4.6	32
506	Recent advances in nanomaterials-based electrochemical (bio)sensors for pesticides detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 132, 116041	14.6	48
505	Noble Metal Aerogels. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 52234-52250	9.5	23
504	Peptoid-Based Programmable 2D Nanomaterial Sensor for Selective and Sensitive Detection of HS in Live Cells.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 6039-6048	4.1	11
503	2D surface induced self-assembly of Pd nanocrystals into nanostrings for enhanced formic acid electrooxidation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17128-17135	13	5
502	Metal-organic framework based nanozymes: promising materials for biochemical analysis. <i>Chemical Communications</i> , 2020 , 56, 11338-11353	5.8	59
501	Tri-functional Fe-Zr bi-metal-organic frameworks enable high-performance phosphate ion ratiometric fluorescent detection. <i>Nanoscale</i> , 2020 , 12, 19383-19389	7.7	21
500	Functionalized Two-Dimensional Nanomaterials for Biosensing and Bioimaging. <i>ACS Symposium Series</i> , 2020 , 143-165	0.4	0
499	When Nanozymes Meet Single-Atom Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2565-2576	2.7	201
498	When Nanozymes Meet Single-Atom Catalysis. <i>Angewandte Chemie</i> , 2020 , 132, 2585-2596	3.6	55
497	pH-responsive allochroic nanoparticles for the multicolor detection of breast cancer biomarkers. <i>Biosensors and Bioelectronics</i> , 2020 , 148, 111780	11.8	22
496	Bioinspired Peptoid Nanotubes for Targeted Tumor Cell Imaging and Chemo-Photodynamic Therapy. <i>Small</i> , 2019 , 15, e1902485	11	29
495	Oxidase-Like Fe-N-C Single-Atom Nanozymes for the Detection of Acetylcholinesterase Activity. <i>Small</i> , 2019 , 15, e1903108	11	102
494	Au@Pd Nanopopcorn and Aptamer Nanoflower Assisted Lateral Flow Strip for Thermal Detection of Exosomes. <i>Analytical Chemistry</i> , 2019 , 91, 13986-13993	7.8	53
493	Physiologically Based Pharmacokinetic Modeling of Salivary Concentrations for Noninvasive Biomonitoring of 2,4-Dichlorophenoxyacetic Acid (2,4-D). <i>Toxicological Sciences</i> , 2019 , 172, 330-343	4.4	3

492	Atomically Isolated Iron Atom Anchored on Carbon Nanotubes for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39820-39826	9.5	32
491	2D Graphene Oxide/Fe-MOF Nanozyme Nest with Superior Peroxidase-Like Activity and Its Application for Detection of Woodsmoke Exposure Biomarker. <i>Analytical Chemistry</i> , 2019 , 91, 13847-13854	7.8	68
490	Metal-organic frameworks-based catalysts for electrochemical oxygen evolution. <i>Materials Horizons</i> , 2019 , 6, 684-702	14.4	104
489	Recent advances in functionalized MnO nanosheets for biosensing and biomedicine applications. <i>Nanoscale Horizons</i> , 2019 , 4, 321-338	10.8	106
488	Comparison of Blood-Brain Barrier Models for Biological Analysis: One Cell Type vs Three Cell Types. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1050-1055	4.1	6
487	Electrically Switched Ion Exchange Based on Carbon-Polypyrrole Composite Smart Materials for the Removal of ReO from Aqueous Solutions. <i>Environmental Science & Technology</i> , 2019 , 53, 2612-2617	10.3	15
486	Hydrogen-Bond-Induced Emission of Carbon Dots for Wash-Free Nucleus Imaging. <i>Analytical Chemistry</i> , 2019 , 91, 9259-9265	7.8	64
485	Amperometric sarcosine biosensor with strong anti-interference capabilities based on mesoporous organic-inorganic hybrid materials. <i>Biosensors and Bioelectronics</i> , 2019 , 141, 111431	11.8	18
484	Highly Efficient Photoelectrochemical Reduction of CO at Low Applied Voltage Using 3D Co-Pi/BiVO/SnO Nanosheet Array Photoanodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26024-26031	9.5	15
483	SciFinder-guided rational design of fluorescent carbon dots for ratiometric monitoring intracellular pH fluctuations under heat shock. <i>Chinese Chemical Letters</i> , 2019 , 30, 1647-1651	8.1	29
482	Glucose Oxidase-Integrated Metal-Organic Framework Hybrids as Biomimetic Cascade Nanozymes for Ultrasensitive Glucose Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22096-22101	9.5	134
481	Carbon nanotube-linked hollow carbon nanospheres doped with iron and nitrogen as single-atom catalysts for the oxygen reduction reaction in acidic solutions. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14478-14482	13	40
480	Self-Assembly of All-Inclusive Allochroic Nanoparticles for the Improved ELISA. <i>Analytical Chemistry</i> , 2019 , 91, 8461-8465	7.8	29
479	Secondary-Atom-Assisted Synthesis of Single Iron Atoms Anchored on N-Doped Carbon Nanowires for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2019 , 9, 5929-5934	13.1	98
478	Far-Red to Near-Infrared Carbon Dots: Preparation and Applications in Biotechnology. <i>Small</i> , 2019 , 15, e1901507	11	103
477	Red carbon dots: Optical property regulations and applications. <i>Materials Today</i> , 2019 , 30, 52-79	21.8	122
476	Robust noble metal-based electrocatalysts for oxygen evolution reaction. <i>Chemical Society Reviews</i> , 2019 , 48, 3181-3192	58.5	420
475	Single-Atom Nanozyme Based on Nanoengineered Fe-N-C Catalyst with Superior Peroxidase-Like Activity for Ultrasensitive Bioassays. <i>Small</i> , 2019 , 15, e1901485	11	105

474	Ternary PtRuCu aerogels for enhanced methanol electrooxidation. <i>Nanoscale</i> , 2019 , 11, 10575-10580	7.7	29
473	Recent Advances in Biosensors for Detecting Cancer-Derived Exosomes. <i>Trends in Biotechnology</i> , 2019 , 37, 1236-1254	15.1	100
472	Protein-Inorganic Hybrid Nanoflower-Rooted Agarose Hydrogel Platform for Point-of-Care Detection of Acetylcholine. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11857-11864	9.5	39
471	A review of optical probes based on nanomaterials for the detection of hydrogen sulfide in biosystems. <i>Analytica Chimica Acta</i> , 2019 , 1061, 1-12	6.6	41
470	Fluorometric and colorimetric analysis of carbamate pesticide via enzyme-triggered decomposition of Gold nanoclusters-anchored MnO ₂ nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2019 , 290, 640-647	8.5	33
469	Quantum Dot-Based Lateral Flow Test Strips for Highly Sensitive Detection of the Tetanus Antibody. <i>ACS Omega</i> , 2019 , 4, 6789-6795	3.9	22
468	Polydopamine-Capped Bimetallic AuPt Hydrogels Enable Robust Biosensor for Organophosphorus Pesticide Detection. <i>Small</i> , 2019 , 15, e1900632	11	72
467	Lysosome-targeted carbon dots for ratiometric imaging of formaldehyde in living cells. <i>Nanoscale</i> , 2019 , 11, 8458-8463	7.7	73
466	Fe-N-C Single-Atom Nanozymes for the Intracellular Hydrogen Peroxide Detection. <i>Analytical Chemistry</i> , 2019 , 91, 11994-11999	7.8	128
465	A review on emerging principles and strategies for colorimetric and fluorescent detection of alkaline phosphatase activity. <i>Analytica Chimica Acta</i> , 2019 , 1086, 29-45	6.6	37
464	Pt-Ni(OH) nanosheets amplified two-way lateral flow immunoassays with smartphone readout for quantification of pesticides. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111498	11.8	51
463	Integrating Target-Responsive Hydrogels with Smartphone for On-Site ppb-Level Quantitation of Organophosphate Pesticides. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27605-27614	9.5	47
462	A Sense-and-treat ELISA using zeolitic imidazolate framework-8 as carriers for dual-modal detection of carcinoembryonic antigen. <i>Sensors and Actuators B: Chemical</i> , 2019 , 297, 126760	8.5	17
461	Unprecedented peroxidase-mimicking activity of single-atom nanozyme with atomically dispersed Fe-N moieties hosted by MOF derived porous carbon. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111495	11.8	90
460	A dopamine-induced Au hydrogel nanozyme for enhanced biomimetic catalysis. <i>Chemical Communications</i> , 2019 , 55, 9865-9868	5.8	50
459	Tandem catalysis driven by enzymes directed hybrid nanoflowers for on-site ultrasensitive detection of organophosphorus pesticide. <i>Biosensors and Bioelectronics</i> , 2019 , 141, 111473	11.8	48
458	Peptoid Nanotubes: Bioinspired Peptoid Nanotubes for Targeted Tumor Cell Imaging and Chemo-Photodynamic Therapy (Small 43/2019). <i>Small</i> , 2019 , 15, 1970231	11	
457	Ambient light sensor based colorimetric dipstick reader for rapid monitoring organophosphate pesticides on a smart phone. <i>Analytica Chimica Acta</i> , 2019 , 1092, 126-131	6.6	24

456	Highly Dispersed Platinum Atoms on the Surface of AuCu Metallic Aerogels for Enabling H ₂ O ₂ Production. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7722-7727	6.1	19
455	Self-Driven Multicolor Electrochromic Energy Storage Windows Powered by a "Perpetual" Rechargeable Battery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 48013-48020	9.5	15
454	Visualization of endogenous hydrogen sulfide in living cells based on Au nanorods@silica enhanced fluorescence. <i>Analytica Chimica Acta</i> , 2019 , 1053, 81-88	6.6	20
453	Nanozyme Enhanced Colorimetric Immunoassay for Naked-Eye Detection of Salmonella Enteritidis. <i>Journal of Analysis and Testing</i> , 2019 , 3, 99-106	3.2	22
452	Sensitive fluorescence sensor for point-of-care detection of trypsin using glutathione-stabilized gold nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 366-372	8.5	24
451	Switchable fluorescence immunoassay using gold nanoclusters anchored cobalt oxyhydroxide composite for sensitive detection of imidacloprid. <i>Sensors and Actuators B: Chemical</i> , 2019 , 283, 207-214	8.5	35
450	Dispersive Single-Atom Metals Anchored on Functionalized Nanocarbons for Electrochemical Reactions. <i>Topics in Current Chemistry</i> , 2019 , 377, 4	7.2	23
449	Assembling Carbon Pores into Carbon Sheets: Rational Design of Three-Dimensional Carbon Networks for a Lithium-Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5911-5918	9.5	20
448	High performance fluorescence biosensing of cysteine in human serum with superior specificity based on carbon dots and cobalt-derived recognition. <i>Sensors and Actuators B: Chemical</i> , 2019 , 280, 62-68	8.5	44
447	A comparative study of pomegranate Sb@C yolk-shell microspheres as Li and Na-ion battery anodes. <i>Nanoscale</i> , 2018 , 11, 348-355	7.7	26
446	Highly photoluminescent carbon dots derived from linseed and their applications in cellular imaging and sensing. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3181-3187	7.3	39
445	Core-shell PdPb@Pd aerogels with multiply-twinned intermetallic nanostructures: facile synthesis with accelerated gelation kinetics and their enhanced electrocatalytic properties. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7517-7521	13	36
444	Colorimetric and chemiluminescent dual-readout immunochromatographic assay for detection of pesticide residues utilizing g-CN/BiFeO nanocomposites. <i>Biosensors and Bioelectronics</i> , 2018 , 106, 43-49	11.8	88
443	Embedding platinum-based nanoparticles within ordered mesoporous carbon using supercritical carbon dioxide technique as a highly efficient oxygen reduction electrocatalyst. <i>Journal of Alloys and Compounds</i> , 2018 , 741, 580-589	5.7	6
442	Designable and dynamic single-walled stiff nanotubes assembled from sequence-defined peptoids. <i>Nature Communications</i> , 2018 , 9, 270	17.4	51
441	Porous Carbon-Hosted Atomically Dispersed Iron-Nitrogen Moiety as Enhanced Electrocatalysts for Oxygen Reduction Reaction in a Wide Range of pH. <i>Small</i> , 2018 , 14, e1703118	11	89
440	A Rapid Method for Antigen-Specific Hybridoma Clone Isolation. <i>Analytical Chemistry</i> , 2018 , 90, 2224-2229	7.9	11
439	Simultaneous detection of dual biomarkers from humans exposed to organophosphorus pesticides by combination of immunochromatographic test strip and ellman assay. <i>Biosensors and Bioelectronics</i> , 2018 , 104, 39-44	11.8	16

438	Electrically Switched Ion Exchange Based on Polypyrrole and Carbon Nanotube Nanocomposite for the Removal of Chromium(VI) from Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 768-774	3.9	35
437	Smart Drug Delivery System-Inspired Enzyme-Linked Immunosorbent Assay Based on Fluorescence Resonance Energy Transfer and Allochroic Effect Induced Dual-Modal Colorimetric and Fluorescent Detection. <i>Analytical Chemistry</i> , 2018 , 90, 1976-1982	7.8	58
436	Ultrathin dendritic IrTe nanotubes for an efficient oxygen evolution reaction in a wide pH range. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8855-8859	13	37
435	Interphases in Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1703082	21.8	137
434	Dual-Readout Immunochromatographic Assay by Utilizing MnO Nanoflowers as the Unique Colorimetric/Chemiluminescent Probe. <i>Analytical Chemistry</i> , 2018 , 90, 5147-5152	7.8	68
433	Fluorescent silicon nanoparticles-based ratiometric fluorescence immunoassay for sensitive detection of ethyl carbamate in red wine. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2742-2749	8.5	54
432	Graphene-like Metal-Free 2D Nanosheets for Cancer Imaging and Theranostics. <i>Trends in Biotechnology</i> , 2018 , 36, 1145-1156	15.1	41
431	One-Pot Green Synthesis of Ultrabright N-Doped Fluorescent Silicon Nanoparticles for Cellular Imaging by Using Ethylenediaminetetraacetic Acid Disodium Salt as an Effective Reductant. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27979-27986	9.5	41
430	Nanovoid Incorporated IrxCu Metallic Aerogels for Oxygen Evolution Reaction Catalysis. <i>ACS Energy Letters</i> , 2018 , 3, 2038-2044	20.1	94
429	Direct Cytosolic MicroRNA Detection Using Single-Layer Perfluorinated Tungsten Diselenide Nanoplatfom. <i>Analytical Chemistry</i> , 2018 , 90, 10369-10376	7.8	10
428	An ultra low-cost smartphone device for in-situ monitoring of acute organophosphorus poisoning for agricultural workers. <i>Sensors and Actuators B: Chemical</i> , 2018 , 275, 300-305	8.5	10
427	SWCNTs@GQDs composites as nanocarriers for enzyme-free dual-signal amplification electrochemical immunoassay of cancer biomarker. <i>Analytica Chimica Acta</i> , 2018 , 1042, 44-51	6.6	34
426	Recent progress in biosensors based on organic-inorganic hybrid nanoflowers. <i>Biosensors and Bioelectronics</i> , 2018 , 120, 175-187	11.8	48
425	Hierarchically Porous MN _x (M = Co and Fe) Single-Atom Electrocatalysts with Robust MN _x Active Moieties Enable Enhanced ORR Performance. <i>Advanced Energy Materials</i> , 2018 , 8, 1801956	21.8	351
424	Ultrafine Pd ensembles anchored-Au ₂ Cu aerogels boost ethanol electrooxidation. <i>Nano Energy</i> , 2018 , 53, 206-212	17.1	39
423	Aptasensor based on fluorophore-quencher nano-pair and smartphone spectrum reader for on-site quantification of multi-pesticides. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 75-83	11.8	82
422	Single-Atom Catalysts for Electrochemical Water Splitting. <i>ACS Energy Letters</i> , 2018 , 3, 1713-1721	20.1	198
421	Self-supporting activated carbon/carbon nanotube/reduced graphene oxide flexible electrode for high performance supercapacitor. <i>Carbon</i> , 2018 , 129, 236-244	10.4	181

4 ²⁰	MnO Nanosheet-Carbon Dots Sensing Platform for Sensitive Detection of Organophosphorus Pesticides. <i>Analytical Chemistry</i> , 2018 , 90, 2618-2624	7.8	203
4 ¹⁹	Ultrafine and highly disordered Ni ₂ Fe ₁ nanofoams enabled highly efficient oxygen evolution reaction in alkaline electrolyte. <i>Nano Energy</i> , 2018 , 44, 319-326	17.1	85
4 ¹⁸	Tubular titanium oxide/reduced graphene oxide-sulfur composite for improved performance of lithium sulfur batteries. <i>Carbon</i> , 2018 , 128, 63-69	10.4	35
4 ¹⁷	Smart phone based immunosensor coupled with nanoflower signal amplification for rapid detection of Salmonella Enteritidis in milk, cheese and water. <i>Sensors and Actuators B: Chemical</i> , 2018 , 261, 75-82	8.5	57
4 ¹⁶	A portable smart-phone device for rapid and sensitive detection of E. coli O157:H7 in Yoghurt and Egg. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 479-485	11.8	61
4 ¹⁵	Integrating in situ formation of nanozymes with three-dimensional dendritic mesoporous silica nanospheres for hypoxia-overcoming photodynamic therapy. <i>Nanoscale</i> , 2018 , 10, 22937-22945	7.7	35
4 ¹⁴	Recent advances in emerging 2D nanomaterials for biosensing and bioimaging applications. <i>Materials Today</i> , 2018 , 21, 164-177	21.8	104
4 ¹³	Efficient Cytosolic Delivery Using Crystalline Nanoflowers Assembled from Fluorinated Peptoids. <i>Small</i> , 2018 , 14, e1803544	11	26
4 ¹²	Switchable Photoacoustic Imaging of Glutathione Using MnO Nanotubes for Cancer Diagnosis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 44231-44239	9.5	22
4 ¹¹	Catalytic Activity of Co _X (X = S, P, O) and Its Dependency on Nanostructure/Chemical Composition in LithiumSulfur Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 7014-7021	6.1	34
4 ¹⁰	Synthetic Polymer Nanoparticles Functionalized with Different Ligands for Receptor-mediated Transcytosis across Blood-Brain Barrier. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1687-1694	4.1	16
4 ⁰⁹	Micro additive manufacturing of glucose biosensors: A feasibility study. <i>Analytica Chimica Acta</i> , 2018 , 1043, 142-149	6.6	48
4 ⁰⁸	Quantification of kinetic rate constants for transcytosis of polymeric nanoparticle through blood-brain barrier. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 2779-2787	4	12
4 ⁰⁷	Porous graphene doped with Fe/N/S and incorporating Fe ₃ O ₄ nanoparticles for efficient oxygen reduction. <i>Catalysis Science and Technology</i> , 2018 , 8, 5325-5333	5.5	19
4 ⁰⁶	Mesoporous Carbon Nanospheres with ZnO Nanolids for Multimodal Therapy of Lung Cancer.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1165-1173	4.1	7
4 ⁰⁵	A Nanozyme- and Ambient Light-Based Smartphone Platform for Simultaneous Detection of Dual Biomarkers from Exposure to Organophosphorus Pesticides. <i>Analytical Chemistry</i> , 2018 , 90, 7391-7398	7.8	88
4 ⁰⁴	Graphene-like 2D nanomaterial-based biointerfaces for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 43-55	11.8	182
4 ⁰³	Drug-Derived Bright and Color-Tunable N-Doped Carbon Dots for Cell Imaging and Sensitive Detection of Fe in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7399-7405	9.5	206

402	Three-dimensional Nitrogen-Doped Reduced Graphene Oxide/Carbon Nanotube Composite Catalysts for Vanadium Flow Batteries. <i>Electroanalysis</i> , 2017 , 29, 1469-1473	3	23
401	Carbon quantum dots as fluorescence resonance energy transfer sensors for organophosphate pesticides determination. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 292-297	11.8	190
400	Synthesis of an excellent electrocatalyst for oxygen reduction reaction with supercritical fluid: Graphene cellular monolith with ultrafine and highly dispersive multimetallic nanoparticles. <i>Journal of Power Sources</i> , 2017 , 347, 69-78	8.9	13
399	Rapid and sensitive detection of microRNA via the capture of fluorescent dyes-loaded albumin nanoparticles around functionalized magnetic beads. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 56-62	11.8	36
398	pH-Responsive ZnO Nanocluster for Lung Cancer Chemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5739-5747	9.5	29
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394	Integrated immunochromatographic strip with glucometer readout for rapid quantification of phosphorylated proteins. <i>Analytica Chimica Acta</i> , 2017 , 964, 1-6	6.6	13
393	Nitrogen and Fluorine-Codoped Carbon Nanowire Aerogels as Metal-Free Electrocatalysts for Oxygen Reduction Reaction. <i>Chemistry - A European Journal</i> , 2017 , 23, 10460-10464	4.8	42
392	MnO Nanotube-Based NanoSearchlight for Imaging of Multiple MicroRNAs in Live Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23325-23332	9.5	25
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385	"On-Off-On" fluorescence sensor based on g-CN nanosheets for selective and sequential detection of Ag and S. <i>Talanta</i> , 2017 , 168, 168-173	6.2	28

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