Jun-Jie Zhu

List of Publications by Year in Descending Order

383 papers	19,423 citations	72 h-index	124 g-index
409 ext. papers	22,586 ext. citations	9.1 avg, IF	7.35 L-index

#	Paper	IF	Citations
383	Quantum dots for electrochemical cytosensing. *TrAC - Trends in Analytical Chemistry*, **2022**, 148, 116531	14.6	2
382	Two-Stage Assembly of Nanoparticle Superlattices with Multiscale Organization.. *Nano Letters*, **2022**,	11.5	1
381	A six-plex switchable DNA origami cipher disk for tandem-in-time cryptography.. *Chemical Communications*, **2022**, 58, 6124-6127	5.8	1
380	Analytical and biomedical applications of nanomaterials in Chinese herbal medicines research. *TrAC - Trends in Analytical Chemistry*, **2022**, 116690	14.6	1
379	Low-entropy lattices engineered through bridged DNA origami frames.. *Chemical Science*, **2021**, 13, 283-289	9.4	2
378	Advances in the enzymatic biofuel cell powered sensing systems for tumor diagnosis and regulation. *TrAC - Trends in Analytical Chemistry*, **2021**, 146, 116476	14.6	1
377	Long-term cell culture and electrically monitoring of living cells based on a polyaniline hydrogel sensor. *Journal of Materials Chemistry B*, **2021**, 9, 9514-9523	7.3	2
376	Engineering DNA on the Surface of Upconversion Nanoparticles for Bioanalysis and Therapeutics. *ACS Nano*, **2021**,	16.7	6
375	Nonradiative Energy Transfer from CsPbBr Nanocrystals to CdSe/CdS Nanocrystals for Efficient Light Down Conversion. *Journal of Physical Chemistry Letters*, **2021**, 12, 11710-11716	6.4	3
374	DNA Origami Frameworks Enabled Self-Protective siRNA Delivery for Dual Enhancement of Chemo-Photothermal Combination Therapy. *Small*, **2021**, 17, e2101780	11	4
373	The promise of low-intensity ultrasound: A review on sonosensitizers and sonocatalysts by ultrasonic activation for bacterial killing. *Ultrasonics Sonochemistry*, **2021**, 79, 105781	8.9	1
372	Versatile porous nanomaterials for electrochemiluminescence biosensing: Recent advances and future perspective. *Journal of Electroanalytical Chemistry*, **2021**, 902, 115821	4.1	0
371	A novel electrochemically enhanced homogeneous PMS-heterogeneous CoFeO synergistic catalysis for the efficient removal of levofloxacin. *Journal of Hazardous Materials*, **2021**, 127651	12.8	2
370	Highly Biocompatible Plasmonically Encoded Raman Scattering Nanoparticles Aid Ultrabright and Accurate Bioimaging. *ACS Applied Materials & Interfaces*, **2021**, 13, 135-147	9.5	1
369	Hierarchical Metal-Organic Framework-Confined CsPbBr Quantum Dots and Aminated Carbon Dots: A New Self-Sustaining Suprastructure for Electrochemiluminescence Bioanalysis. *Analytical Chemistry*, **2021**, 93, 1818-1825	7.8	23
368	Roadmap on nanomedicine. *Nanotechnology*, **2021**, 32, 012001	3.4	5
367	Recent Progress in Electrochemiluminescence of Halide Perovskites. *Frontiers in Chemistry*, **2021**, 9, 629830	3	6

366	Adapting and Remolding: Orchestrating Tumor Microenvironment Normalization with Photodynamic Therapy by Size Transformable Nanoframeworks. *Angewandte Chemie - International Edition*, **2021**, 60, 11464-11473	16.4	12
365	Boosting Long-Range Surface-Enhanced Raman Scattering on Plasmonic Nanohole Arrays for Ultrasensitive Detection of MiRNA. *ACS Applied Materials & Interfaces*, **2021**, 13, 18301-18313	9.5	8
364	Decoding the Complex Free Radical Cascade by Using a DNA Framework-Based Artificial DNA Encoder. *Angewandte Chemie*, **2021**, 133, 10840-10850	3.6	2
363	Decoding the Complex Free Radical Cascade by Using a DNA Framework-Based Artificial DNA Encoder. *Angewandte Chemie - International Edition*, **2021**, 60, 10745-10755	16.4	4
362	Simultaneous and Spatial Quantification of Telomerase Activity and DNA Methylation in Living Cells by a Deformable Satellite Nanocapsule. *CCS Chemistry*, **2021**, 3, 1231-1244	7.2	0
361	Adapting and Remolding: Orchestrating Tumor Microenvironment Normalization with Photodynamic Therapy by Size Transformable Nanoframeworks. *Angewandte Chemie*, **2021**, 133, 11565-11574	3.6	2
360	Adipocyte-Derived Anticancer Lipid Droplets. *Advanced Materials*, **2021**, 33, e2100629	24	7
359	A brief note on the potential of homo-oligo-dsDNA and hetero-oligo-dsDNA based on their binder-free electrochemical characteristics on gold electrode. *Analytica Chimica Acta*, **2021**, 1157, 338377	6.6	
358	Tailoring nanoparticles for targeted drug delivery: From organ to subcellular level. *View*, **2021**, 2, 20200138	7.8	1
357	A Synergistic Coreactant for Single-Cell Electrochemiluminescence Imaging: Guanine-Rich ssDNA-Loaded High-Index Faceted Gold Nanoflowers. *Analytical Chemistry*, **2021**, 93, 7682-7689	7.8	9
356	Enzymatic Biofuel Cell: Opportunities and Intrinsic Challenges in Futuristic Applications. *Advanced Energy and Sustainability Research*, **2021**, 2, 2100031	1.6	11
355	DNA Technology-assisted Signal Amplification Strategies in Electrochemiluminescence Bioanalysis. *Journal of Analysis and Testing*, **2021**, 5, 95-111	3.2	4
354	Boosted anodic electrochemiluminescence from blue-emissive sulfur quantum dots and its bioanalysis of glutathione. *Electrochimica Acta*, **2021**, 381, 138281	6.7	10
353	Enzymatic Biofuel Cells for Self-Powered Electrochemical Sensors **2021**, 271-297		
352	Bio-Coreactant-Enhanced Electrochemiluminescence Microscopy of Intracellular Structure and Transport. *Angewandte Chemie - International Edition*, **2021**, 60, 4907-4914	16.4	36
351	Endogenous mRNA Triggered DNA-Au Nanomachine for In Situ Imaging and Targeted Multimodal Synergistic Cancer Therapy. *Angewandte Chemie - International Edition*, **2021**, 60, 5948-5958	16.4	25
350	Endogenous mRNA Triggered DNA-Au Nanomachine for In Situ Imaging and Targeted Multimodal Synergistic Cancer Therapy. *Angewandte Chemie*, **2021**, 133, 6013-6023	3.6	3
349	Gene/drug-embedded nanoscale metal azolate framework-7 for the reversal of P-glycoprotein-mediated multidrug resistance. *Chemical Communications*, **2021**, 57, 6776-6779	5.8	4

348	Insights on forming N,O-coordinated Cu single-atom catalysts for electrochemical reduction CO to methane. *Nature Communications*, **2021**, 12, 586	17.4	69
347	Layer-by-layer assembly of Au and CdS nanoparticles on the surface of bacterial cells for photo-assisted bioanodes in microbial fuel cells. *Journal of Materials Chemistry B*, **2021**, 9, 1638-1646	7.3	7
346	Self-assembled nanomaterials for biosensing and therapeutics: recent advances and challenges. *Analyst, The*, **2021**, 146, 2807-2817	5	2
345	Catalytic route electrochemiluminescence microscopy of cell membranes with nitrogen-doped carbon dots as nano-coreactants. *Chemical Communications*, **2021**, 57, 2168-2171	5.8	11
344	Visualization of an Accelerated Electrochemical Reaction under an Enhanced Electric Field. *Research*, **2021**, 2021, 1742919	7.8	6
343	Aqueous-phase synthesis of upconversion metal-organic frameworks for ATP-responsive in situ imaging and targeted combinational cancer therapy. *Chinese Chemical Letters*, **2021**, 33, 314-314	8.1	4
342	Cancer Therapy: Adipocyte-Derived Anticancer Lipid Droplets (Adv. Mater. 26/2021). *Advanced Materials*, **2021**, 33, 2170198	24	
341	Oxygen Vacancy-Driven Reversible Free Radical Catalysis for Environment-Adaptive Cancer Chemodynamic Therapy. *Angewandte Chemie - International Edition*, **2021**, 60, 20943-20951	16.4	10
340	Nanomediator Effector Cascade Systems for Amplified Protein Kinase Activity Imaging and Phosphorylation-Induced Drug Release In Vivo. *Angewandte Chemie*, **2021**, 133, 21735-21744	3.6	
339	Nanomediator-Effector Cascade Systems for Amplified Protein Kinase Activity Imaging and Phosphorylation-Induced Drug Release In Vivo. *Angewandte Chemie - International Edition*, **2021**, 60, 21565-21574	16.4	2
338	Electrochemical sensor based on Ce-MOF/carbon nanotube composite for the simultaneous discrimination of hydroquinone and catechol. *Journal of Hazardous Materials*, **2021**, 416, 125895	12.8	30
337	Oxygen Vacancy-Driven Reversible Free Radical Catalysis for Environment-Adaptive Cancer Chemodynamic Therapy. *Angewandte Chemie*, **2021**, 133, 21111-21119	3.6	0
336	Understanding the Synergistic Oxidation in Dichalcogenides through Electrochemiluminescence Blinking at Millisecond Resolution. *Advanced Materials*, **2021**, 33, e2105039	24	2
335	Label-Free Probing of Electron Transfer Kinetics of Single Microbial Cells on a Single-Layer Graphene via Structural Color Microscopy. *Nano Letters*, **2021**, 21, 7823-7830	11.5	0
334	High-resolution imaging of catalytic activity of a single graphene sheet using electrochemiluminescence microscopy. *Chemical Science*, **2021**, 12, 4794-4799	9.4	9
333	CRISPR System-Linked Self-Assembling Nanoplatforms for Inspection and Screening of Gastric Cancer Stem Cells. *Small*, **2021**, e2104622	11	2
332	Beyond Blocking: Engineering RNAi-Mediated Targeted Immune Checkpoint Nanoblocker Enables T-Cell-Independent Cancer Treatment. *ACS Nano*, **2020**,	16.7	10
331	Protease-responsive mass barcoded nanotranslators for simultaneously quantifying the intracellular activity of cascaded caspases in apoptosis pathways. *Chemical Science*, **2020**, 11, 5280-5288	9.4	5

330	Dynamic Detection of Endogenous Hydroxyl Radicals at Single-Cell Level with Individual Ag-Au Nanocages. *Analytical Chemistry*, **2020**, 92, 9940-9947	7.8	5
329	Effect of switching ultrasonic amplitude in preparing a hybrid of fullerene (C) and gallium oxide (GaO). *Ultrasonics Sonochemistry*, **2020**, 67, 105178	8.9	3
328	Quantitative Detection and Imaging of Multiple Biological Molecules in Living Cells for Cell Screening. *ACS Sensors*, **2020**, 5, 1149-1157	9.2	9
327	A programmable polymer library that enables the construction of stimuli-responsive nanocarriers containing logic gates. *Nature Chemistry*, **2020**, 12, 381-390	17.6	62
326	Attaching DNA to Gold Nanoparticles With a Protein Corona. *Frontiers in Chemistry*, **2020**, 8, 121	5	20
325	NIR-Triggered Chemo-Photothermal Therapy by Thermosensitive Gold Nanostar@Mesoporous Silica@Liposome-Composited Drug Delivery Systems.. *ACS Applied Bio Materials*, **2020**, 3, 5322-5330	4.1	17
324	Electrocatalytic CO2 Reduction: Electrode Materials Engineering in Electrocatalytic CO2 Reduction: Energy Input and Conversion Efficiency (Adv. Mater. 27/2020). *Advanced Materials*, **2020**, 32, 2070202	24	10
323	Introduction of an antifouling photoelectrode: an effective strategy for a high-performance photoelectrochemical cytosensor. *Journal of Materials Chemistry B*, **2020**, 8, 4836-4840	7.3	4
322	Size-selected and surface-passivated CsPbBr perovskite nanocrystals for self-enhanced electrochemiluminescence in aqueous media. *Nanoscale*, **2020**, 12, 7321-7329	7.7	17
321	Stable and Monochromatic All-Inorganic Halide Perovskite Assisted by Hollow Carbon Nitride Nanosphere for Ratiometric Electrochemiluminescence Bioanalysis. *Analytical Chemistry*, **2020**, 92, 4123-4130	7.8	29
320	Nanoscale metal-organic frameworks in detecting cancer biomarkers. *Journal of Materials Chemistry B*, **2020**, 8, 1338-1349	7.3	23
319	Capture and selective release of multiple types of circulating tumor cells using smart DNAzyme probes. *Chemical Science*, **2020**, 11, 1948-1956	9.4	16
318	Electrode Materials Engineering in Electrocatalytic CO Reduction: Energy Input and Conversion Efficiency. *Advanced Materials*, **2020**, 32, e1903796	24	40
317	Trifunctional modification of individual bacterial cells for magnet-assisted bioanodes with high performance in microbial fuel cells. *Journal of Materials Chemistry A*, **2020**, 8, 24515-24523	13	3
316	Recent Progress in Electrochemiluminescence Sensing and Imaging. *Analytical Chemistry*, **2020**, 92, 431-458	7.8	165
315	Metal-Ligand Coordination Nanomaterials for Biomedical Imaging. *Bioconjugate Chemistry*, **2020**, 31, 332-339	6.3	16
314	Core/Satellite Structured Fe3O4/Au Nanocomposites Incorporated with Three-Dimensional Macroporous Graphene Foam as a High-Performance Anode for Microbial Fuel Cells. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 1311-1318	8.3	22
313	Resonance energy transfer in electrochemiluminescent and photoelectrochemical bioanalysis. *TrAC - Trends in Analytical Chemistry*, **2020**, 123, 115745	14.6	31

312	Superior efficient rechargeable lithium–air batteries using a bifunctional biological enzyme catalyst. *Energy and Environmental Science*, **2020**, 13, 144-151	35.4	9
311	Molecular Self-Assembly of Bioorthogonal Aptamer-Prodrug Conjugate Micelles for Hydrogen Peroxide and pH-Independent Cancer Chemodynamic Therapy. *Journal of the American Chemical Society*, **2020**, 142, 937-944	16.4	94
310	Facile photo-ultrasonic assisted synthesis of flower-like Pt/N-MoS microsphere as an efficient sonophotocatalyst for nitrogen fixation. *Ultrasonics Sonochemistry*, **2020**, 63, 104956	8.9	18
309	Carbon-based dots for electrochemiluminescence sensing. *Materials Chemistry Frontiers*, **2020**, 4, 369-385	7.8	38
308	Electrogenerated Chemiluminescence in Submicrometer Wells for Very High-Density Biosensing. *Analytical Chemistry*, **2020**, 92, 578-582	7.8	11
307	Tuning single atom-nanoparticle ratios of Ni-based catalysts for synthesis gas production from CO2. *Applied Catalysis B: Environmental*, **2020**, 264, 118502	21.8	23
306	Simple Tripedal DNA Walker Prepared by Target-Triggered Catalytic Hairpin Assembly for Ultrasensitive Electrochemiluminescence Detection of MicroRNA. *ACS Sensors*, **2020**, 5, 3584-3590	9.2	23
305	Elucidating Anionic Redox Chemistry in P3 Layered Cathode for Na-Ion Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 38249-38255	9.5	9
304	Plasmonic Modulation of the Upconversion Luminescence Based on Gold Nanorods for Designing a New Strategy of Sensing MicroRNAs. *Analytical Chemistry*, **2020**, 92, 11795-11801	7.8	10
303	Two-layer stacked multi-arm junction tiles and nanostructures assembled with small circular DNA molecules serving as scaffolds. *Nanoscale*, **2020**, 12, 19597-19603	7.7	4
302	Efficient Blood-toleration Enzymatic Biofuel Cell Protection of an Enzyme Catalyst. *ACS Applied Materials & Interfaces*, **2020**, 12, 41429-41436	9.5	15
301	Naked-Eye Readout of Analyte-Induced NIR Fluorescence Responses by an Initiation-Input-Transduction Nanoplatform. *Angewandte Chemie - International Edition*, **2020**, 59, 695-699	16.4	21
300	Naked-Eye Readout of Analyte-Induced NIR Fluorescence Responses by an Initiation–Input–Transduction Nanoplatform. *Angewandte Chemie*, **2020**, 132, 705-709	3.6	7
299	Fermi level-tuned optics of graphene for attocoulomb-scale quantification of electron transfer at single gold nanoparticles. *Nature Communications*, **2019**, 10, 3849	17.4	8
298	Plasmon Coupling-Enhanced Raman Sensing Platform Integrated with Exonuclease-Assisted Target Recycling Amplification for Ultrasensitive and Selective Detection of microRNA-21. *Analytical Chemistry*, **2019**, 91, 12298-12306	7.8	39
297	Effects of Small Molecules on DNA Adsorption by Gold Nanoparticles and a Case Study of Tris(2-carboxyethyl)phosphine (TCEP). *Langmuir*, **2019**, 35, 13461-13468	4	12
296	Electrochemiluminescence Investigation of Glucose Transporter 4 Expression at Skeletal Muscle Cells Surface Based on a Graphene Hydrogel Electrode. *Analytical Chemistry*, **2019**, 91, 3021-3026	7.8	22
295	Rethinking EBAD: Evolution of smart noninvasive detection of diabetes. *TrAC - Trends in Analytical Chemistry*, **2019**, 118, 477-487	14.6	5

294	An Improved Strategy for High-Quality Cesium Bismuth Bromine Perovskite Quantum Dots with Remarkable Electrochemiluminescence Activities. *Analytical Chemistry*, **2019**, 91, 8607-8614	7.8	45
293	Sustainable and Self-Enhanced Electrochemiluminescent Ternary Suprastructures Derived from CsPbBr3 Perovskite Quantum Dots. *Advanced Functional Materials*, **2019**, 29, 1902533	15.6	33
292	Dual acid-responsive bola-type supramolecular vesicles for efficient intracellular anticancer drug delivery. *Journal of Materials Chemistry B*, **2019**, 7, 3944-3949	7.3	24
291	Sonochemical synthesis of FeO/carbon nanotubes using low frequency ultrasonic devices and their performance for heterogeneous sono-persulfate process on inactivation of Microcystis aeruginosa. *Ultrasonics Sonochemistry*, **2019**, 58, 104634	8.9	16
290	Graphene Quantum Dots Wrapped Gold Nanoparticles with Integrated Enhancement Mechanisms as Sensitive and Homogeneous Substrates for Surface-Enhanced Raman Spectroscopy. *Analytical Chemistry*, **2019**, 91, 7295-7303	7.8	25
289	In Situ Imaging Facet-Induced Spatial Heterogeneity of Electrocatalytic Reaction Activity at the Subparticle Level via Electrochemiluminescence Microscopy. *Analytical Chemistry*, **2019**, 91, 6829-6835	7.8	22
288	Promoting Oxidative Stress in Cancer Starvation Therapy by Site-Specific Startup of Hyaluronic Acid-Enveloped Dual-Catalytic Nanoreactors. *ACS Applied Materials & Interfaces*, **2019**, 11, 18995-19005	8.5	56
287	A Catalase-Like Metal-Organic Framework Nanohybrid for O2-Evolving Synergistic Chemoradiotherapy. *Angewandte Chemie*, **2019**, 131, 8844-8848	3.6	22
286	A Catalase-Like Metal-Organic Framework Nanohybrid for O -Evolving Synergistic Chemoradiotherapy. *Angewandte Chemie - International Edition*, **2019**, 58, 8752-8756	16.4	88
285	Mediation of Extracellular Polymeric Substances in Microbial Reduction of Hematite by MR-1. *Frontiers in Microbiology*, **2019**, 10, 575	5.7	20
284	Potential-Resolved Electrochemiluminescence Nanoprobes for Visual Apoptosis Evaluation at Single-Cell Level. *Analytical Chemistry*, **2019**, 91, 6363-6370	7.8	33
283	Recent advances in drug release monitoring. *Nanophotonics*, **2019**, 8, 391-413	6.3	25
282	Construction of FRET biosensor for off-on detection of lead ions based on carbon dots and gold nanorods. *Talanta*, **2019**, 201, 90-95	6.2	15
281	Concatenated Catalytic Hairpin Assembly/Hyperbranched Hybridization Chain Reaction Based Enzyme-Free Signal Amplification for the Sensitive Photoelectrochemical Detection of Human Telomerase RNA. *Analytical Chemistry*, **2019**, 91, 3619-3627	7.8	89
280	Bioapplications of DNA nanotechnology at the solid-liquid interface. *Chemical Society Reviews*, **2019**, 48, 4892-4920	58.5	42
279	Bifunctional supramolecular prodrug vesicles constructed from a camptothecin derivative with a water-soluble pillar[5]arene for cancer diagnosis and therapy. *Chemical Communications*, **2019**, 55, 10892-10895	5.8	28
278	Formation of carbon-nitrogen bonds in carbon monoxide electrolysis. *Nature Chemistry*, **2019**, 11, 846-851	17.6	82
277	Bipyridine-Assisted Assembly of Au Nanoparticles on Cu Nanowires To Enhance the Electrochemical Reduction of CO2. *Angewandte Chemie*, **2019**, 131, 14238-14241	3.6	13

276	Near-infrared photothermally activated nanomachines for cancer theragnosis. *Dalton Transactions*, **2019**, 48, 13120-13124	4.3	3
275	Bipyridine-Assisted Assembly of Au Nanoparticles on Cu Nanowires To Enhance the Electrochemical Reduction of CO. *Angewandte Chemie - International Edition*, **2019**, 58, 14100-14103	16.4	52
274	N,S-doped carbon dots as dual-functional modifiers to boost bio-electricity generation of individually-modified bacterial cells. *Nano Energy*, **2019**, 63, 103875	17.1	32
273	Spatially Engineered Janus Hybrid Nanozyme toward SERS Liquid Biopsy at Nano/Microscales. *ACS Applied Materials & Interfaces*, **2019**, 11, 41979-41987	9.5	16
272	Multifunctional DNA Polycatenane Nanocarriers for Synergistic Targeted Therapy of Multidrug-Resistant Human Leukemia. *Advanced Functional Materials*, **2019**, 29, 1905659	15.6	14
271	Dual-Acceptor-Based Upconversion Luminescence Nanosensor with Enhanced Quenching Efficiency for in Situ Imaging and Quantification of MicroRNA in Living Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 38459-38466	9.5	29
270	Outer-Frame-Degradable Nanovehicles Featuring Near-Infrared Dual Luminescence for Tracking of Protein Delivery in Cancer Therapy. *ACS Nano*, **2019**, 13, 12577-12590	16.7	28
269	Sequential Delivery and Cascade Targeting of Peptide Therapeutics for Triplexed Synergistic Therapy with Real-Time Monitoring Shuttled by Magnetic Gold Nanostars. *Analytical Chemistry*, **2019**, 91, 4608-4617	7.8	9
268	Perturbation Electrochemiluminescence Imaging to Observe the Fluctuation of Charge-Transfer Resistance in Individual Graphene Microsheets with Redox-Induced Defects. *ACS Applied Materials & Interfaces*, **2019**, 11, 46666-46670	9.5	8
267	The electrochemical applications of rare earth-based nanomaterials. *Analyst, The*, **2019**, 144, 6789-6811	5	34
266	Raman observation of a molecular signaling pathway of apoptotic cells induced by photothermal therapy. *Chemical Science*, **2019**, 10, 10900-10910	9.4	12
265	Enhancing the Plasmon Resonance Absorption of Multibranched Gold Nanoparticles in the Near-Infrared Region for Photothermal Cancer Therapy: Theoretical Predictions and Experimental Verification. *Chemistry of Materials*, **2019**, 31, 471-482	9.6	30
264	Hybrid Nanomedicine Fabricated from Photosensitizer-Terminated Metal-Organic Framework Nanoparticles for Photodynamic Therapy and Hypoxia-Activated Cascade Chemotherapy. *Small*, **2019**, 15, e1804131	11	84
263	Plasmon-enhanced cathodic reduction for accelerating electricity generation in visible-light-assisted microbial fuel cells. *Nano Energy*, **2019**, 57, 94-100	17.1	11
262	Sono-Fenton hybrid process on the inactivation of Microcystis aeruginosa: Extracellular and intracellular oxidation. *Ultrasonics Sonochemistry*, **2019**, 53, 68-76	8.9	18
261	TiO/g-CN/CdS Nanocomposite-Based Photoelectrochemical Biosensor for Ultrasensitive Evaluation of T4 Polynucleotide Kinase Activity. *Analytical Chemistry*, **2019**, 91, 1563-1570	7.8	62
260	Using a glucose meter to quantitatively detect disease biomarkers through a universal nanozyme integrated lateral fluidic sensing platform. *Biosensors and Bioelectronics*, **2019**, 126, 690-696	11.8	24
259	Fluorescent Self-Healing Carbon Dot/Polymer Gels. *ACS Nano*, **2019**, 13, 1433-1442	16.7	48

258	Aptamer-Conjugated Au Nanocage/SiO Core-Shell Bifunctional Nanoprobes with High Stability and Biocompatibility for Cellular SERS Imaging and Near-Infrared Photothermal Therapy. *ACS Sensors*, **2019**, 4, 301-308	9.2	51
257	Steady-State Electrochemiluminescence at Single Semiconductive Titanium Dioxide Nanoparticles for Local Sensing of Single Cells. *Analytical Chemistry*, **2019**, 91, 1121-1125	7.8	27
256	Plasmon Near-Field Coupling of Bimetallic Nanostars and a Hierarchical Bimetallic SERS "Hot Field": Toward Ultrasensitive Simultaneous Detection of Multiple Cardiorenal Syndrome Biomarkers. *Analytical Chemistry*, **2019**, 91, 864-872	7.8	42
255	Photoelectrochemical DNA biosensor based on g-CN/MoS 2D/2D heterojunction electrode matrix and co-sensitization amplification with CdSe QDs for the sensitive detection of ssDNA. *Analytica Chimica Acta*, **2019**, 1048, 42-49	6.6	29
254	Cancer Diagnosis: A Universal Upconversion Sensing Platform for the Sensitive Detection of Tumour-Related ncRNA through an Exo III-Assisted Cycling Amplification Strategy (Small 10/2018). *Small*, **2018**, 14, 1870044	11	4
253	Direct Electrochemiluminescence Imaging of a Single Cell on a Chitosan Film Modified Electrode. *Analytical Chemistry*, **2018**, 90, 4801-4806	7.8	52
252	"Stealth and Fully-Laden" Drug Carriers: Self-Assembled Nanogels Encapsulated with Epigallocatechin Gallate and siRNA for Drug-Resistant Breast Cancer Therapy. *ACS Applied Materials & Interfaces*, **2018**, 10, 9938-9948	9.5	35
251	A Universal Upconversion Sensing Platform for the Sensitive Detection of Tumour-Related ncRNA through an Exo III-Assisted Cycling Amplification Strategy. *Small*, **2018**, 14, 1703858	11	28
250	In situ formation of large pore silica-MnO nanocomposites with H/HO sensitivity for O-elevated photodynamic therapy and potential MR imaging. *Chemical Communications*, **2018**, 54, 2962-2965	5.8	32
249	Peptide-Based Photoelectrochemical Cytosensor Using a Hollow-TiO/EG/ZnInS Cosensitized Structure for Ultrasensitive Detection of Early Apoptotic Cells and Drug Evaluation. *ACS Applied Materials & Interfaces*, **2018**, 10, 4429-4438	9.5	42
248	Ultrasensitive photoelectrochemical biosensor for the detection of HTLV-I DNA: A cascade signal amplification strategy integrating Exonuclease aided target recycling with hybridization chain reaction and enzyme catalysis. *Biosensors and Bioelectronics*, **2018**, 109, 190-196	11.8	46
247	Contrastive study for coadsorption of copper and two dihydroxybenzene isomers by a multi-amine modified resin. *Journal of Hazardous Materials*, **2018**, 352, 47-56	12.8	9
246	Cascade Amplification-Mediated In Situ Hot-Spot Assembly for MicroRNA Detection and Molecular Logic Gate Operations. *Analytical Chemistry*, **2018**, 90, 4544-4551	7.8	80
245	Oxygen Species on Nitrogen-Doped Carbon Nanosheets as Efficient Active Sites for Multiple Electrocatalysis. *ACS Applied Materials & Interfaces*, **2018**, 10, 11678-11688	9.5	42
244	Low Overpotential for Electrochemically Reducing CO2 to CO on Nitrogen-Doped Graphene Quantum Dots-Wrapped Single-Crystalline Gold Nanoparticles. *ACS Energy Letters*, **2018**, 3, 946-951	20.1	34
243	Acid-degradable gadolinium-based nanoscale coordination polymer: A potential platform for targeted drug delivery and potential magnetic resonance imaging. *Nano Research*, **2018**, 11, 929-939	10	19
242	Dynamically imaging collision electrochemistry of single electrochemiluminescence nano-emitters. *Chemical Science*, **2018**, 9, 6167-6175	9.4	61
241	Construction of drug-drug conjugate supramolecular nanocarriers based on water-soluble pillar[6]arene for combination chemotherapy. *Chemical Communications*, **2018**, 54, 9462-9465	5.8	41

240	"Three-in-one" Nanohybrids as Synergistic Nanoquenchers to Enhance No-Wash Fluorescence Biosensors for Ratiometric Detection of Cancer Biomarkers. *Theranostics*, **2018**, 8, 3461-3473	12.1	51
239	A label-free aptasensor for ultrasensitive Pb detection based on electrochemiluminescence resonance energy transfer between carbon nitride nanofibers and Ru(phen). *Journal of Hazardous Materials*, **2018**, 359, 121-128	12.8	36
238	Multiplexed Quantitative MALDI MS Approach for Assessing Activity and Inhibition of Protein Kinases Based on Postenrichment Dephosphorylation of Phosphopeptides by Metal-Organic Framework-Templated Porous CeO. *Analytical Chemistry*, **2018**, 90, 9859-9867	7.8	23
237	Nickel Molybdenum Nitride Nanorods Grown on Ni Foam as Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. *ACS Applied Materials & Interfaces*, **2018**, 10, 30400-30408	8.5	50
236	Enzyme-Free Photoelectrochemical Biosensor Based on the Co-Sensitization Effect Coupled with Dual Cascade Toehold-Mediated Strand Displacement Amplification for the Sensitive Detection of MicroRNA-21. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 11633-11641	8.3	29
235	Plasmonic Au nanostar Raman probes coupling with highly ordered TiO/Au nanotube arrays as the reliable SERS sensing platform for chronic myeloid leukemia drug evaluation. *Biosensors and Bioelectronics*, **2018**, 117, 260-266	11.8	20
234	In Situ Visualization of Electrocatalytic Reaction Activity at Quantum Dots for Water Oxidation. *Analytical Chemistry*, **2018**, 90, 8635-8641	7.8	19
233	A Spectral Shift-Based Electrochemiluminescence Sensor for Hydrogen Sulfide. *Analytical Chemistry* , **2018**, 90, 1334-1339	7.8	20
232	Nitrogen-doped hollow carbon nanospheres for high-energy-density biofuel cells and self-powered sensing of microRNA-21 and microRNA-141. *Nano Energy*, **2018**, 44, 95-102	17.1	44
231	A glucose/O fuel cell-based self-powered biosensor for probing a drug delivery model with self-diagnosis and self-evaluation. *Chemical Science*, **2018**, 9, 8482-8491	9.4	28
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