

Jun-Jie Zhu

List of Publications by Citations

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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	Focusing on luminescent graphene quantum dots: current status and future perspectives. <i>Nanoscale</i> , 2013 , 5, 4015-39	7.7	1120
382	Plasmonic Cu _{2-x} S nanocrystals: optical and structural properties of copper-deficient copper(I) sulfides. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4253-61	16.4	785
381	A Facile Microwave Avenue to Electrochemiluminescent Two-Color Graphene Quantum Dots. <i>Advanced Functional Materials</i> , 2012 , 22, 2971-2979	15.6	670
380	Hair fiber as a precursor for synthesizing of sulfur- and nitrogen-co-doped carbon dots with tunable luminescence properties. <i>Carbon</i> , 2013 , 64, 424-434	10.4	601
379	Tuning Sn-Catalysis for Electrochemical Reduction of CO to CO via the Core/Shell Cu/SnO Structure. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4290-4293	16.4	431
378	Green and facile synthesis of highly biocompatible graphene nanosheets and its application for cellular imaging and drug delivery. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12034		352
377	Recent Advances in Electrochemiluminescence Analysis. <i>Analytical Chemistry</i> , 2017 , 89, 358-371	7.8	334
376	Electrogenerated chemiluminescence of Au nanoclusters for the detection of dopamine. <i>Analytical Chemistry</i> , 2011 , 83, 661-5	7.8	301
375	Fabrication of Graphene Quantum Dots Composites for Sensitive Electrogenerated Chemiluminescence Immunosensing. <i>Advanced Functional Materials</i> , 2011 , 21, 869-878	15.6	287
374	A Highly Porous Copper Electrocatalyst for Carbon Dioxide Reduction. <i>Advanced Materials</i> , 2018 , 30, e1803111	24	212
373	Composites of Multiwalled Carbon Nanotubes and Molecularly Imprinted Polymers for Dopamine Recognition. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4849-4854	3.8	202
372	A reversible lithium-CO ₂ battery with Ru nanoparticles as a cathode catalyst. <i>Energy and Environmental Science</i> , 2017 , 10, 972-978	35.4	201
371	Nanostructured material-based biofuel cells: recent advances and future prospects. <i>Chemical Society Reviews</i> , 2017 , 46, 1545-1564	58.5	199
370	Gold Nanoparticle Colloidal Carbon Nanosphere Hybrid Material: Preparation, Characterization, and Application for an Amplified Electrochemical Immunoassay. <i>Advanced Functional Materials</i> , 2008 , 18, 2197-2204	15.6	199
369	An Amperometric Biosensor Based on the Coimmobilization of Horseradish Peroxidase and Methylene Blue on a Carbon Nanotubes Modified Electrode. <i>Electroanalysis</i> , 2003 , 15, 219-224	3	188
368	Nanomaterials-based sensitive electrochemiluminescence biosensing. <i>Nano Today</i> , 2017 , 12, 98-115	17.9	175
367	One-pot synthesis of aptamer-functionalized silver nanoclusters for cell-type-specific imaging. <i>Analytical Chemistry</i> , 2012 , 84, 4140-6	7.8	174

366	Fluorescent nanoprobe for sensing and imaging of metal ions: recent advances and future perspectives. <i>Nano Today</i> , 2016 , 11, 309-329	17.9	173
365	Single-crystalline orthorhombic molybdenum oxide nanobelts: synthesis and photocatalytic properties. <i>CrystEngComm</i> , 2010 , 12, 3740	3.3	170
364	Robust nonenzymatic hybrid nanoelectrocatalysts for signal amplification toward ultrasensitive electrochemical cytosensing. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2288-91	16.4	168
363	Three-dimensional Dendritic Pt Nanostructures: Sonoelectrochemical Synthesis and Electrochemical Applications. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 16385-16392	3.8	166
362	Recent Progress in Electrochemiluminescence Sensing and Imaging. <i>Analytical Chemistry</i> , 2020 , 92, 431-458	7.8	165
361	Microwave-Induced Polyol-Process Synthesis of Copper and Copper Oxide Nanocrystals with Controllable Morphology. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 4072-4080	2.3	161
360	Preparation of nanocrystalline ceria particles by sonochemical and microwave assisted heating methods. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 3794-3799	3.6	157
359	Enhanced Photoelectrochemical Immunosensing Platform Based on CdSeTe@CdS:Mn Core-Shell Quantum Dots-Sensitized TiO ₂ Amplified by CuS Nanocrystals Conjugated Signal Antibodies. <i>Analytical Chemistry</i> , 2016 , 88, 3392-9	7.8	156
358	Living and Conducting: Coating Individual Bacterial Cells with In Situ Formed Polypyrrole. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10516-10520	16.4	146
357	Preparation of monodispersed nanocrystalline CeO ₂ powders by microwave irradiation. <i>Chemical Communications</i> , 2001 , 937-938	5.8	141
356	Ultrasensitive photoelectrochemical immunoassay for matrix metalloproteinase-2 detection based on CdS:Mn/CdTe cosensitized TiO ₂ nanotubes and signal amplification of SiO ₂ @Ab ₂ conjugates. <i>Analytical Chemistry</i> , 2014 , 86, 12398-405	7.8	139
355	Metal ions optical sensing by semiconductor quantum dots. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 595-613	7.1	134
354	Fabrication of gold nanoparticles on bilayer graphene for glucose electrochemical biosensing. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7604		132
353	Sensitive electrochemical detection of telomerase activity using spherical nucleic acids gold nanoparticles triggered mimic-hybridization chain reaction enzyme-free dual signal amplification. <i>Analytical Chemistry</i> , 2015 , 87, 3019-26	7.8	131
352	Graphene-CdS nanocomposites: facile one-step synthesis and enhanced photoelectrochemical cytosensing. <i>Chemistry - A European Journal</i> , 2012 , 18, 4974-81	4.8	130
351	Gold-Nanosponge-Based Multistimuli-Responsive Drug Vehicles for Targeted Chemo-Photothermal Therapy. <i>Advanced Materials</i> , 2016 , 28, 8218-8226	24	129
350	Near-Infrared Photothermally Activated DNAzyme-Gold Nanoshells for Imaging Metal Ions in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6798-6802	16.4	125
349	Near Infrared-Guided Smart Nanocarriers for MicroRNA-Controlled Release of Doxorubicin/siRNA with Intracellular ATP as Fuel. <i>ACS Nano</i> , 2016 , 10, 3637-47	16.7	121

348	Polyaniline networks grown on graphene nanoribbons-coated carbon paper with a synergistic effect for high-performance microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 12587	13	121
347	Aptamer/Graphene Quantum Dots Nanocomposite Capped Fluorescent Mesoporous Silica Nanoparticles for Intracellular Drug Delivery and Real-Time Monitoring of Drug Release. <i>Analytical Chemistry</i> , 2015 , 87, 11739-45	7.8	116
346	CuNi Nanoparticles Assembled on Graphene for Catalytic Methanolysis of Ammonia Borane and Hydrogenation of Nitro/Nitrile Compounds. <i>Chemistry of Materials</i> , 2017 , 29, 1413-1418	9.6	115
345	Nanomaterial-based activatable imaging probes: from design to biological applications. <i>Chemical Society Reviews</i> , 2015 , 44, 7855-80	58.5	113
344	Highly Emissive Nd ³⁺ -Sensitized Multilayered Upconversion Nanoparticles for Efficient 795 nm Operated Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2016 , 26, 4778-4785	15.6	108
343	A new signal amplification strategy of photoelectrochemical immunoassay for highly sensitive interleukin-6 detection based on TiO ₂ /CdS/CdSe dual co-sensitized structure. <i>Biosensors and Bioelectronics</i> , 2014 , 59, 45-53	11.8	107
342	Targeting and Imaging of Cancer Cells via Monosaccharide-Imprinted Fluorescent Nanoparticles. <i>Scientific Reports</i> , 2016 , 6, 22757	4.9	106
341	Pt/Au/nitrogen-doped graphene nanocomposites for enhanced electrochemical activities. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1754-1762	13	105
340	In situ amplification of intracellular microRNA with MNase nanodevices for multiplexed imaging, logic operation, and controlled drug release. <i>ACS Nano</i> , 2015 , 9, 789-98	16.7	104
339	"Signal-on" photoelectrochemical biosensor for sensitive detection of human T-Cell lymphotropic virus type II DNA: dual signal amplification strategy integrating enzymatic amplification with terminal deoxynucleotidyl transferase-mediated extension. <i>Analytical Chemistry</i> , 2015 , 87, 4949-56	7.8	101
338	Study of the Partial Ag-to-Zn Cation Exchange in AgInS ₂ /ZnS Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 648-656	3.8	99
337	Single gold@silver nanoprobe for real-time tracing the entire autophagy process at single-cell level. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1903-8	16.4	95
336	Electrogenerated Chemiluminescence Resonance Energy Transfer between Ru(bpy) ₃ (2+) Electrogenerated Chemiluminescence and Gold Nanoparticles/Graphene Oxide Nanocomposites with Graphene Oxide as Coreactant and Its Sensing Application. <i>Analytical Chemistry</i> , 2016 , 88, 5469-75	7.8	95
335	N-doped graphene: an alternative carbon-based matrix for highly efficient detection of small molecules by negative ion MALDI-TOF MS. <i>Analytical Chemistry</i> , 2014 , 86, 9122-30	7.8	94
334	Molecular Self-Assembly of Bioorthogonal Aptamer-Prodrug Conjugate Micelles for Hydrogen Peroxide and pH-Independent Cancer Chemodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2020 , 142, 937-944	16.4	94
333	Enhanced photoelectrochemical strategy for ultrasensitive DNA detection based on two different sizes of CdTe quantum dots cosensitized TiO ₂ /CdS:Mn hybrid structure. <i>Analytical Chemistry</i> , 2014 , 86, 10877-84	7.8	93
332	Self-Assembly of Polyaniline/Au Composites: From Nanotubes to Nanofibers. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 31-36	4.8	93
331	Sonochemical Preparation of Luminescent PbWO ₄ Nanocrystals with Morphology Evolution. <i>Crystal Growth and Design</i> , 2006 , 6, 321-326	3.5	93

330	Highly Sensitive and Selective Photoelectrochemical Biosensor for Hg(2+) Detection Based on Dual Signal Amplification by Exciton Energy Transfer Coupled with Sensitization Effect. <i>Analytical Chemistry</i> , 2015 , 87, 12340-7	7.8	91
329	Incorporating Nitrogen-Doped Graphene Quantum Dots and Ni S Nanosheets: A Synergistic Electrocatalyst with Highly Enhanced Activity for Overall Water Splitting. <i>Small</i> , 2017 , 13, 1700264	11	89
328	Concatenated Catalytic Hairpin Assembly/Hyperbranched Hybridization Chain Reaction Based Enzyme-Free Signal Amplification for the Sensitive Photoelectrochemical Detection of Human Telomerase RNA. <i>Analytical Chemistry</i> , 2019 , 91, 3619-3627	7.8	89
327	A Catalase-Like Metal-Organic Framework Nanohybrid for O ₂ -Evolving Synergistic Chemoradiotherapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8752-8756	16.4	88
326	A novel electrochemiluminescence biosensor for the detection of microRNAs based on a DNA functionalized nitrogen doped carbon quantum dots as signal enhancers. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 273-279	11.8	87
325	Cathode Photoelectrochemical Immunosensing Platform Integrating Photocathode with Photoanode. <i>Analytical Chemistry</i> , 2016 , 88, 10352-10356	7.8	86
324	Fabrication of gold nanorods with tunable longitudinal surface plasmon resonance peaks by reductive dopamine. <i>Langmuir</i> , 2015 , 31, 817-23	4	84
323	Hybrid Nanomedicine Fabricated from Photosensitizer-Terminated Metal-Organic Framework Nanoparticles for Photodynamic Therapy and Hypoxia-Activated Cascade Chemotherapy. <i>Small</i> , 2019 , 15, e1804131	11	84
322	Formation of carbon-nitrogen bonds in carbon monoxide electrolysis. <i>Nature Chemistry</i> , 2019 , 11, 846-851	11.6	82
321	Silver Nanoclusters Beacon as Stimuli-Responsive Versatile Platform for Multiplex DNAs Detection and Aptamer-Substrate Complexes Sensing. <i>Analytical Chemistry</i> , 2017 , 89, 1002-1008	7.8	81
320	Highly sensitive photoelectrochemical assay for DNA methyltransferase activity and inhibitor screening by exciton energy transfer coupled with enzyme cleavage biosensing strategy. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 449-55	11.8	80
319	Cascade Amplification-Mediated In Situ Hot-Spot Assembly for MicroRNA Detection and Molecular Logic Gate Operations. <i>Analytical Chemistry</i> , 2018 , 90, 4544-4551	7.8	80
318	Electrochemiluminescence energy transfer-promoted ultrasensitive immunoassay using near-infrared-emitting CdSeTe/CdS/ZnS quantum dots and gold nanorods. <i>Scientific Reports</i> , 2013 , 3, 1529	4.9	79
317	High biocurrent generation in Shewanella-inoculated microbial fuel cells using ionic liquid functionalized graphene nanosheets as an anode. <i>Chemical Communications</i> , 2013 , 49, 6668-70	5.8	79
316	Nanostructured graphene/TiO ₂ hybrids as high-performance anodes for microbial fuel cells. <i>Chemistry - A European Journal</i> , 2014 , 20, 7091-7	4.8	78
315	Engineering the Surface of Smart Nanocarriers Using a pH-/Thermal-/GSH-Responsive Polymer Zipper for Precise Tumor Targeting Therapy In Vivo. <i>Advanced Materials</i> , 2017 , 29, 1702311	24	77
314	Highly reproducible synthesis of hollow gold nanospheres with near infrared surface plasmon absorption using PVP as stabilizing agent. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2344-2350		75
313	Toward the early evaluation of therapeutic effects: an electrochemical platform for ultrasensitive detection of apoptotic cells. <i>Analytical Chemistry</i> , 2011 , 83, 7902-9	7.8	74

312	Sonoelectrochemical fabrication of PDDA-RGO-PdPt nanocomposites as electrocatalyst for DAFCs. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7343		73
311	Bacteria-Affinity 3D Macroporous Graphene/MWCNTs/Fe ₃ O ₄ Foams for High-Performance Microbial Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16170-7	9.5	72
310	Metal ions triggered ligase activity for rolling circle amplification and its application in molecular logic gate operations. <i>Chemical Science</i> , 2013 , 4, 1858	9.4	72
309	Electrochemiluminescence based on quantum dots and their analytical application. <i>Analytical Methods</i> , 2011 , 3, 33-42	3.2	72
308	Ultrasonic-assisted synthesis of Pd-Pt/carbon nanotubes nanocomposites for enhanced electro-oxidation of ethanol and methanol in alkaline medium. <i>Ultrasonics Sonochemistry</i> , 2016 , 28, 192-198	8.9	70
307	Simultaneous Detection of Tumor Cell Apoptosis Regulators Bcl-2 and Bax through a Dual-Signal-Marked Electrochemical Immunosensor. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7674-82	9.5	70
306	High-efficient energy funneling based on electrochemiluminescence resonance energy transfer in graded-gap quantum dots bilayers for immunoassay. <i>Analytical Chemistry</i> , 2014 , 86, 3284-90	7.8	70
305	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
304	Ultrasensitive photoelectrochemical immunoassay for CA19-9 detection based on CdSe@ZnS quantum dots sensitized TiO ₂ NWs/Au hybrid structure amplified by quenching effect of Ab ₂ @V(2+) conjugates. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 339-46	11.8	68
303	Electrochemiluminescent Sensing for Caspase-3 Activity Based on Ru(bpy) ₃ (2+)-Doped Silica Nanoprobe. <i>Analytical Chemistry</i> , 2016 , 88, 1922-9	7.8	66
302	A programmable polymer library that enables the construction of stimuli-responsive nanocarriers containing logic gates. <i>Nature Chemistry</i> , 2020 , 12, 381-390	17.6	62
301	TiO ₂ /g-CN/CdS Nanocomposite-Based Photoelectrochemical Biosensor for Ultrasensitive Evaluation of T4 Polynucleotide Kinase Activity. <i>Analytical Chemistry</i> , 2019 , 91, 1563-1570	7.8	62
300	Dynamically imaging collision electrochemistry of single electrochemiluminescence nano-emitters. <i>Chemical Science</i> , 2018 , 9, 6167-6175	9.4	61
299	Photoelectrochemical DNA Biosensor Based on Dual-Signal Amplification Strategy Integrating Inorganic-Organic Nanocomposites Sensitization with Exonuclease-Assisted Target Recycling. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35091-35098	9.5	61
298	Ultrasensitive multi-analyte electrochemical immunoassay based on GNR-modified heated screen-printed carbon electrodes and PS@PDA-metal labels for rapid detection of MMP-9 and IL-6. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 51-6	11.8	60
297	Biobar-coded gold nanoparticles and DNAzyme-based dual signal amplification strategy for ultrasensitive detection of protein by electrochemiluminescence. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 696-703	9.5	60
296	FITC Doped Rattle-Type Silica Colloidal Particle-Based Ratiometric Fluorescent Sensor for Biosensing and Imaging of Superoxide Anion. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6423-30	9.5	59
295	A Graphene/Poly(3,4-ethylenedioxythiophene) Hybrid as an Anode for High-Performance Microbial Fuel Cells. <i>ChemPlusChem</i> , 2013 , 78, 823-829	2.8	59

294	Promoting Oxidative Stress in Cancer Starvation Therapy by Site-Specific Startup of Hyaluronic Acid-Enveloped Dual-Catalytic Nanoreactors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18995-19005	8.5	56
293	Enhanced photoelectrochemical aptasensing platform based on exciton energy transfer between CdSeTe alloyed quantum dots and SiO ₂ @Au nanocomposites. <i>Chemical Communications</i> , 2015 , 51, 7023-6	5.8	54
292	Rapid Microwave-Assisted Synthesis of Single-Crystalline Sb ₂ Te ₃ Hexagonal Nanoplates. <i>Crystal Growth and Design</i> , 2008 , 8, 4394-4397	3.5	54
291	Direct Electrochemiluminescence Imaging of a Single Cell on a Chitosan Film Modified Electrode. <i>Analytical Chemistry</i> , 2018 , 90, 4801-4806	7.8	52
290	Bipyridine-Assisted Assembly of Au Nanoparticles on Cu Nanowires To Enhance the Electrochemical Reduction of CO. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14100-14103	16.4	52
289	Imaging Local Heating and Thermal Diffusion of Nanomaterials with Plasmonic Thermal Microscopy. <i>ACS Nano</i> , 2015 , 9, 11574-81	16.7	51
288	"Three-in-one" Nanohybrids as Synergistic Nanoquenchers to Enhance No-Wash Fluorescence Biosensors for Ratiometric Detection of Cancer Biomarkers. <i>Theranostics</i> , 2018 , 8, 3461-3473	12.1	51
287	Design of an enzymatic biofuel cell with large power output. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11511-11516	13	51
286	Ultrasound assisted reduction of graphene oxide to graphene in L-ascorbic acid aqueous solutions: kinetics and effects of various factors on the rate of graphene formation. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 1174-81	8.9	51
285	Nanoarchitected electrochemical cytosensors for selective detection of leukemia cells and quantitative evaluation of death receptor expression on cell surfaces. <i>Analytical Chemistry</i> , 2013 , 85, 5609-16	7.8	51
284	Aptamer-Conjugated Au Nanocage/SiO Core-Shell Bifunctional Nanoprobes with High Stability and Biocompatibility for Cellular SERS Imaging and Near-Infrared Photothermal Therapy. <i>ACS Sensors</i> , 2019 , 4, 301-308	9.2	51
283	Tumor-Homing Cell-Penetrating Peptide Linked to Colloidal Mesoporous Silica Encapsulated (-)-Epigallocatechin-3-gallate as Drug Delivery System for Breast Cancer Therapy in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18145-55	9.5	50
282	Nickel Molybdenum Nitride Nanorods Grown on Ni Foam as Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30400-30408	8.5	50
281	Microwave-Assisted In Situ Synthesis of Graphene/PEDOT Hybrid and Its Application in Supercapacitors. <i>ChemPlusChem</i> , 2013 , 78, 227-234	2.8	50
280	Phthalocyanine-sensitized graphene-CdS nanocomposites: an enhanced photoelectrochemical immunosensing platform. <i>Chemistry - A European Journal</i> , 2013 , 19, 4496-505	4.8	50
279	Inkjet-printed porous polyaniline gel as an efficient anode for microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14555-14559	13	49
278	A facile one-pot synthesis of colloidal stable, monodisperse, highly PEGylated CuS@mSiO ₂ nanocomposites for the combination of photothermal therapy and chemotherapy. <i>Chemical Communications</i> , 2015 , 51, 9447-50	5.8	48
277	Synthesis of polyaniline/MCM-41 composite through surface polymerization of aniline. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 2088-2094	2.9	48

276	Fluorescent Self-Healing Carbon Dot/Polymer Gels. <i>ACS Nano</i> , 2019 , 13, 1433-1442	16.7	48
275	Multiplex acute leukemia cytosensing using multifunctional hybrid electrochemical nanoprobe at a hierarchically nanoarchitected electrode interface. <i>Nanoscale</i> , 2013 , 5, 10360-8	7.7	47
274	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. <i>Biosensors and Bioelectronics</i> , 2018 , 109, 190-196	11.8	46
273	A competitive electrochemical immunosensor for the detection of human interleukin-6 based on the electrically heated carbon electrode and silver nanoparticles functionalized labels. <i>Talanta</i> , 2014 , 122, 135-9	6.2	46
272	Synthesis of MnO ₂ nanoparticles from sonochemical reduction of MnO ₄ (-) in water under different pH conditions. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 1629-34	8.9	46
271	An Improved Strategy for High-Quality Cesium Bismuth Bromine Perovskite Quantum Dots with Remarkable Electrochemiluminescence Activities. <i>Analytical Chemistry</i> , 2019 , 91, 8607-8614	7.8	45
270	Evaluation of intracellular telomerase activity through cascade DNA logic gates. <i>Chemical Science</i> , 2017 , 8, 174-180	9.4	45
269	A novel aptasensor for lysozyme based on electrogenerated chemiluminescence resonance energy transfer between luminol and silicon quantum dots. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 530-535	11.8	44
268	Selective Synthesis and Luminescence Properties of Self-Assembled SrMoO ₄ Superstructures via a Facile Sonochemical Route. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1982-1988	3.8	44
267	Nitrogen-doped hollow carbon nanospheres for high-energy-density biofuel cells and self-powered sensing of microRNA-21 and microRNA-141. <i>Nano Energy</i> , 2018 , 44, 95-102	17.1	44
266	Ultrasensitive self-powered cytosensor. <i>Nano Energy</i> , 2016 , 19, 541-549	17.1	43
265	Peptide-Based Photoelectrochemical Cytosensor Using a Hollow-TiO ₂ /EG/ZnInS Cosensitized Structure for Ultrasensitive Detection of Early Apoptotic Cells and Drug Evaluation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 4429-4438	9.5	42
264	Oxygen Species on Nitrogen-Doped Carbon Nanosheets as Efficient Active Sites for Multiple Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11678-11688	9.5	42
263	Bioapplications of DNA nanotechnology at the solid-liquid interface. <i>Chemical Society Reviews</i> , 2019 , 48, 4892-4920	58.5	42
262	Plasmon Near-Field Coupling of Bimetallic Nanostars and a Hierarchical Bimetallic SERS "Hot Field": Toward Ultrasensitive Simultaneous Detection of Multiple Cardiorenal Syndrome Biomarkers. <i>Analytical Chemistry</i> , 2019 , 91, 864-872	7.8	42
261	Construction of drug-drug conjugate supramolecular nanocarriers based on water-soluble pillar[6]arene for combination chemotherapy. <i>Chemical Communications</i> , 2018 , 54, 9462-9465	5.8	41
260	A "light-up" and "spectrum-shift" response of aptamer-functionalized silver nanoclusters for intracellular mRNA imaging. <i>Chemical Communications</i> , 2014 , 50, 7107-10	5.8	41
259	Aptamer-functionalized silver nanoclusters-mediated cell type-specific siRNA delivery and tracking. <i>Chemical Science</i> , 2013 , 4, 3514	9.4	41

258	Microwave-assisted synthesis of nitrogen and boron co-doped graphene and its application for enhanced electrochemical detection of hydrogen peroxide. <i>RSC Advances</i> , 2013 , 3, 22597	3.7	41
257	Fast One-Step Synthesis of Biocompatible ZnO/Au Nanocomposites with Hollow Doughnut-Like and Other Controlled Morphologies. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4517-4525	3.8	41
256	Microwave-assisted synthesis of a biocompatible polyacid-conjugated Fe ₃ O ₄ superparamagnetic hybrid. <i>CrystEngComm</i> , 2011 , 13, 2425	3.3	41
255	Lighting Up MicroRNA in Living Cells by the Disassembly of Lock-Like DNA-Programmed UCNPs-AuNPs through the Target Cycling Amplification Strategy. <i>Small</i> , 2018 , 14, e1802292	11	41
254	Electrode Materials Engineering in Electrocatalytic CO Reduction: Energy Input and Conversion Efficiency. <i>Advanced Materials</i> , 2020 , 32, e1903796	24	40
253	Controllable synthesis of palladium nanoparticles via a simple sonoelectrochemical method. <i>Journal of Materials Research</i> , 2003 , 18, 1399-1404	2.5	40
252	NaCl Crystal Tuning Nitrogen Self-Doped Porous Graphitic Carbon Nanosheets for Efficient Oxygen Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 10275-10282	8.3	39
251	Plasmon Coupling-Enhanced Raman Sensing Platform Integrated with Exonuclease-Assisted Target Recycling Amplification for Ultrasensitive and Selective Detection of microRNA-21. <i>Analytical Chemistry</i> , 2019 , 91, 12298-12306	7.8	39
250	Sonochemical selective synthesis of ZnO/CdS core/shell nanostructures and their optical properties. <i>CrystEngComm</i> , 2011 , 13, 193-198	3.3	39
249	Hemoglobin-CdTe-CaCO ₃ @Polyelectrolytes 3D Architecture: Fabrication, Characterization, and Application in Biosensing. <i>Advanced Functional Materials</i> , 2008 , 18, 3127-3136	15.6	39
248	Signal-on Photoelectrochemical Aptasensor for Adenosine Triphosphate Detection Based on Sensitization Effect of CdS:(bpy) ₂ (dcbpy) Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 15657-15665	3.8	38
247	Hyaluronidase-triggered anticancer drug and siRNA delivery from cascaded targeting nanoparticles for drug-resistant breast cancer therapy. <i>Nano Research</i> , 2017 , 10, 690-703	10	38
246	Carbon-based dots for electrochemiluminescence sensing. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 369-385	8	38
245	Efficient Solid-State Electrochemiluminescence from High-Quality Perovskite Quantum Dot Films. <i>Analytical Chemistry</i> , 2017 , 89, 8212-8216	7.8	37
244	A label-free aptasensor for ultrasensitive Pb detection based on electrochemiluminescence resonance energy transfer between carbon nitride nanofibers and Ru(phen). <i>Journal of Hazardous Materials</i> , 2018 , 359, 121-128	12.8	36
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