Heyou Han

List of Publications by Year in Descending Order

214 papers	8,698 citations	52 h-index	82 g-index
225 ext. papers	10,222 ext. citations	7.8 avg, IF	6.51 L-index

#	Paper	IF	Citations
214	Binding induced isothermal amplification reaction to activate CRISPR/Cas12a for amplified electrochemiluminescence detection of rabies viral RNA via DNA nanotweezer structure switching.. *Biosensors and Bioelectronics*, **2022**, 204, 114078	11.8	3
213	Sequential assembled chimeric peptide for precise synergistic phototherapy and photoacoustic imaging of tumor apoptosis. *Chemical Engineering Journal*, **2022**, 427, 130775	14.7	2
212	Novel approach to enhance Bradyrhizobium diazoefficiens nodulation through continuous induction of ROS by manganese ferrite nanomaterials in soybean.. *Journal of Nanobiotechnology*, **2022**, 20, 168	9.4	0
211	Disruption of dual homeostasis by a metal-organic framework nanoreactor for ferroptosis-based immunotherapy of tumor.. *Biomaterials*, **2022**, 284, 121502	15.6	3
210	Activation of TRPV1 by capsaicin-loaded CaCO nanoparticle for tumor-specific therapy.. *Biomaterials*, **2022**, 284, 121520	15.6	3
209	Precise Chemodynamic Therapy of Cancer by Trifunctional Bacterium-Based Nanozymes. *ACS Nano*, **2021**,	16.7	7
208	Multifunctional Nanosystems with Enhanced Cellular Uptake for Tumor Therapy. *Advanced Healthcare Materials*, **2021**, e2101703	10.1	0
207	Aptamer and RVG functionalized gold nanorods for targeted photothermal therapy of neurotropic virus infection in the mouse brain. *Chemical Engineering Journal*, **2021**, 411, 128557	14.7	12
206	In Situ Nanozyme-Amplified NIR-II Phototheranostics for Tumor-Specific Imaging and Therapy. *Advanced Functional Materials*, **2021**, 31, 2103765	15.6	9
205	Bacteria Inspired Internal Standard SERS Substrate for Quantitative Detection.. *ACS Applied Bio Materials*, **2021**, 4, 2009-2019	4.1	15
204	Photothermally triggered nitric oxide nanogenerator targeting type IV pili for precise therapy of bacterial infections. *Biomaterials*, **2021**, 268, 120588	15.6	23
203	Silica-based nanoenzymes for rapid and ultrasensitive detection of mercury ions. *Sensors and Actuators B: Chemical*, **2021**, 330, 129304	8.5	9
202	Cobalt ferrite nanozyme for efficient symbiotic nitrogen fixation via regulating reactive oxygen metabolism. *Environmental Science: Nano*, **2021**, 8, 188-203	7.1	7
201	A portable SERS reader coupled with catalytic hairpin assembly for sensitive microRNA-21 lateral flow sensing. *Analyst, The*, **2021**, 146, 848-854	5	12
200	An intelligent platform based on acidity-triggered aggregation of gold nanoparticles for precise photothermal ablation of focal bacterial infection. *Chemical Engineering Journal*, **2021**, 407, 127076	14.7	7
199	A novel signal amplified electrochemiluminescence biosensor based on MIL-53(Al)@CdS QDs and SiO@AuNPs for trichlorfon detection. *Analyst, The*, **2021**, 146, 1295-1302	5	4
198	Novel Porphyrin Zr Metal-Organic Framework (PCN-224)-Based Ultrastable Electrochemiluminescence System for PEDV Sensing. *Analytical Chemistry*, **2021**, 93, 2090-2096	7.8	12

197	Gastric Acid Powered Nanomotors Release Antibiotics for In Vivo Treatment of Helicobacter pylori Infection. *Small*, **2021**, 17, e2006877	11	15
196	Application of Multiplexed Aptasensors in Food Contaminants Detection. *ACS Sensors*, **2020**, 5, 3721-3738	9.2	23
195	Toxicity of Molybdenum-Based Nanomaterials on the Soybean-Rhizobia Symbiotic System: Implications for Nutrition. *ACS Applied Nano Materials*, **2020**, 3, 5773-5782	5.6	4
194	Metal-organic frameworks-based sensitive electrochemiluminescence biosensing. *Biosensors and Bioelectronics*, **2020**, 164, 112332	11.8	39
193	Pomegranate-Inspired Silica Nanotags Enable Sensitive Dual-Modal Detection of Rabies Virus Nucleoprotein. *Analytical Chemistry*, **2020**, 92, 8802-8809	7.8	11
192	Biogenic Hybrid Nanosheets Activated Photothermal Therapy and Promoted Anti-PD-L1 Efficacy for Synergetic Antitumor Strategy. *ACS Applied Materials & Interfaces*, **2020**, 12, 29122-29132	9.5	5
191	Programmable DNA Tweezer-Actuated SERS Probe for the Sensitive Detection of AFB. *Analytical Chemistry*, **2020**, 92, 4900-4907	7.8	20
190	Light-Induced Caspase-3-Responsive Chimeric Peptide for Effective PDT/Chemo Combination Therapy with Good Compatibility.. *ACS Applied Bio Materials*, **2020**, 3, 2392-2400	4.1	
189	Assembling PVP-Au NPs as portable chip for sensitive detection of cyanide with surface-enhanced Raman spectroscopy. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 2863-2871	4.4	3
188	Ultrasensitive evaluation of Ribonuclease H activity using a DNAzyme-powered on-particle DNA walker. *Sensors and Actuators B: Chemical*, **2020**, 304, 127380	8.5	7
187	Enzyme induced molecularly imprinted polymer on SERS substrate for ultrasensitive detection of patulin. *Analytica Chimica Acta*, **2020**, 1101, 111-119	6.6	22
186	Electrochemiluminescence aptasensor for multiple determination of Hg and Pb ions by using the MIL-53(Al)@CdTe-PEI modified electrode. *Analytica Chimica Acta*, **2020**, 1100, 232-239	6.6	27
185	Ultrasmall Peptide-Coated Platinum Nanoparticles for Precise NIR-II Photothermal Therapy by Mitochondrial Targeting. *ACS Applied Materials & Interfaces*, **2020**, 12, 39434-39443	9.5	14
184	Miniature Hollow Gold Nanorods with Enhanced Effect for In Vivo Photoacoustic Imaging in the NIR-II Window. *Small*, **2020**, 16, e2002748	11	26
183	Kanamycin Adsorption on Gold Nanoparticles Dominates Its Label-Free Colorimetric Sensing with Its Aptamer. *Langmuir*, **2020**, 36, 11490-11498	4	17
182	Intracellular Ca Cascade Guided by NIR-II Photothermal Switch for Specific Tumor Therapy. *IScience*, **2020**, 23, 101049	6.1	8
181	Catalytic hairpin assembly-assisted lateral flow assay for visual determination of microRNA-21 using gold nanoparticles. *Mikrochimica Acta*, **2019**, 186, 661	5.8	12
180	Endogenous stimulus-powered antibiotic release from nanoreactors for a combination therapy of bacterial infections. *Nature Communications*, **2019**, 10, 4464	17.4	57

179	Amorphous nickel boride membrane coated PdCuCo dendrites as high-efficiency catalyst for oxygen reduction and methanol oxidation reaction. *Materials Today Energy*, **2019**, 12, 179-185	7	9
178	Synergistic antibacterial effects of curcumin modified silver nanoparticles through ROS-mediated pathways. *Materials Science and Engineering C*, **2019**, 99, 255-263	8.3	63
177	Reasonably retard O consumption through a photoactivity conversion nanocomposite for oxygenated photodynamic therapy. *Biomaterials*, **2019**, 218, 119312	15.6	17
176	Robust Synthesis of Size-Dispersal Triangular Silver Nanoprisms via Chemical Reduction Route and Their Cytotoxicity. *Nanomaterials*, **2019**, 9,	5.4	6
175	Pd@Pt Core–Shell Nanodots Arrays for Efficient Electrocatalytic Oxygen Reduction. *ACS Applied Nano Materials*, **2019**, 2, 3695-3700	5.6	6
174	Nickel-Ion-Oriented Fabrication of Spiny PtCu Alloy Octahedral Nanoframes with Enhanced Electrocatalytic Performance. *ACS Applied Energy Materials*, **2019**, 2, 2862-2869	6.1	13
173	Pt nanozyme for O2 self-sufficient, tumor-specific oxidative damage and drug resistance reversal. *Nanoscale Horizons*, **2019**, 4, 1124-1131	10.8	32
172	A New Type of Capping Agent in Nanoscience: Metal Cations. *Small*, **2019**, 15, e1900444	11	4
171	Cauliflower-Inspired 3D SERS Substrate for Multiple Mycotoxins Detection. *Analytical Chemistry*, **2019**, 91, 3885-3892	7.8	115
170	Bioapplications of DNA nanotechnology at the solid-liquid interface. *Chemical Society Reviews*, **2019**, 48, 4892-4920	58.5	42
169	One Stone with Two Birds: Functional Gold Nanostar for Targeted Combination Therapy of Drug-Resistant Infection. *ACS Applied Materials & Interfaces*, **2019**, 11, 32659-32669	9.5	25
168	Au Hollow Nanorods-Chimeric Peptide Nanocarrier for NIR-II Photothermal Therapy and Real-time Apoptosis Imaging for Tumor Theranostics. *Theranostics*, **2019**, 9, 4971-4981	12.1	30
167	Nitrogen-Doped Carbon Quantum Dots for Preventing Biofilm Formation and Eradicating Drug-Resistant Bacteria Infection. *ACS Biomaterials Science and Engineering*, **2019**, 5, 4739-4749	5.5	29
166	Nitrogen-doped graphene quantum dots doped silica nanoparticles as enhancers for electrochemiluminescence thrombin aptasensors based on 3D graphene. *Journal of Solid State Electrochemistry*, **2019**, 23, 2579-2588	2.6	3
165	Biomimetic Mineralization-Based CRISPR/Cas9 Ribonucleoprotein Nanoparticles for Gene Editing. *ACS Applied Materials & Interfaces*, **2019**, 11, 47762-47770	9.5	6
164	Electrochemiluminecence nanogears aptasensor based on MIL-53(Fe)@CdS for multiplexed detection of kanamycin and neomycin. *Biosensors and Bioelectronics*, **2019**, 129, 100-106	11.8	53
163	pH-Responsive, Light-Triggered on-Demand Antibiotic Release from Functional Metal–Organic Framework for Bacterial Infection Combination Therapy. *Advanced Functional Materials*, **2018**, 28, 1800011	15.6	86
162	Steric shielding protected and acidity-activated pop-up of ligand for tumor enhanced photodynamic therapy. *Journal of Controlled Release*, **2018**, 279, 198-207	11.7	10

161	Ru(bpy)-Silica@Poly-L-lysine-Au as labels for electrochemiluminescence lysozyme aptasensor based on 3D graphene. *Biosensors and Bioelectronics*, **2018**, 106, 50-56	11.8	28
160	Glutathione-Capped AgS Nanoclusters Inhibit Coronavirus Proliferation through Blockage of Viral RNA Synthesis and Budding. *ACS Applied Materials & Interfaces*, **2018**, 10, 4369-4378	9.5	104
159	Sensitive detection of melamine by an electrochemiluminescence sensor based on tris(bipyridine)ruthenium(II)-functionalized metal-organic frameworks. *Sensors and Actuators B: Chemical*, **2018**, 265, 378-386	8.5	39
158	Ratiometric fluorescence sensor for the sensitive detection of Bacillus thuringiensis transgenic sequence based on silica coated supermagnetic nanoparticles and quantum dots. *Sensors and Actuators B: Chemical*, **2018**, 254, 206-213	8.5	13
157	A sensitive label-free FRET probe for glutathione based on CdSe/ZnS quantum dots and MnO2 nanosheets. *Analytical Methods*, **2018**, 10, 4170-4177	3.2	21
156	Cellular hnRNP A1 Interacts with Nucleocapsid Protein of Porcine Epidemic Diarrhea Virus and Impairs Viral Replication. *Viruses*, **2018**, 10,	6.2	11
155	Target-triggered signal-on ratiometric electrochemiluminescence sensing of PSA based on MOF/Au/G-quadruplex. *Biosensors and Bioelectronics*, **2018**, 118, 160-166	11.8	68
154	Tumor-triggered transformation of chimeric peptide for dual-stage-amplified magnetic resonance imaging and precise photodynamic therapy. *Biomaterials*, **2018**, 182, 269-278	15.6	30
153	Surface-imprinted SiO2@Ag nanoparticles for the selective detection of BPA using surface enhanced Raman scattering. *Sensors and Actuators B: Chemical*, **2018**, 258, 566-573	8.5	43
152	Functional peptide-based nanoparticles for photodynamic therapy. *Journal of Materials Chemistry B* , **2018**, 6, 25-38	7.3	39
151	Atomic Vacancies Control of Pd-Based Catalysts for Enhanced Electrochemical Performance. *Advanced Materials*, **2018**, 30, 1704171	24	74
150	Design of Gold Hollow Nanorods with Controllable Aspect Ratio for Multimodal Imaging and Combined Chemo-Photothermal Therapy in the Second Near-Infrared Window. *ACS Applied Materials & Interfaces*, **2018**, 10, 36703-36710	9.5	53
149	Antiviral Activity of Graphene Oxide-Silver Nanocomposites by Preventing Viral Entry and Activation of the Antiviral Innate Immune Response.. *ACS Applied Bio Materials*, **2018**, 1, 1286-1293	4.1	62
148	A Chimeric Peptide Logic Gate for Orthogonal Stimuli-Triggered Precise Tumor Therapy. *Advanced Functional Materials*, **2018**, 28, 1804609	15.6	11
147	Fabrication of Bis-Quaternary Ammonium Salt as an Efficient Bactericidal Weapon Against and. *ACS Omega*, **2018**, 3, 14517-14525	3.9	16
146	Multisite Inhibitors for Enteric Coronavirus: Antiviral Cationic Carbon Dots Based on Curcumin. *ACS Applied Nano Materials*, **2018**, 1, 5451-5459	5.6	108
145	Versatile Electrochemiluminescence Assays for PEDV Antibody Based on Rolling Circle Amplification and Ru-DNA Nanotags. *Analytical Chemistry*, **2018**, 90, 7415-7421	7.8	21
144	Precisely Striking Tumors without Adjacent Normal Tissue Damage via Mitochondria-Templated Accumulation. *ACS Nano*, **2018**, 12, 6252-6262	16.7	49

143	A cyclic catalysis enhanced electrochemiluminescence aptasensor based 3D graphene/photocatalysts Cu2O-MWCNTs. *Electrochimica Acta*, **2018**, 282, 672-679	6.7	19
142	Gecko-Inspired Nanotentacle Surface-Enhanced Raman Spectroscopy Substrate for Sampling and Reliable Detection of Pesticide Residues in Fruits and Vegetables. *Analytical Chemistry*, **2017**, 89, 2424-2431	7.8	150
141	Direct reduction of HAuCl4 for the visual detection of intracellular hydrogen peroxide based on Au-Pt/SiO2 nanospheres. *Sensors and Actuators B: Chemical*, **2017**, 248, 367-373	8.5	15
140	Graphene Oxide as a Stabilizer for "Clean" Synthesis of High-Performance Pd-Based Nanotubes Electrocatalysts. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 5191-5199	8.3	11
139	Acidity-Triggered Tumor Retention/Internalization of Chimeric Peptide for Enhanced Photodynamic Therapy and Real-Time Monitoring of Therapeutic Effects. *ACS Applied Materials & Interfaces*, **2017**, 9, 16043-16053	9.5	17
138	Novel impacts of functionalized multi-walled carbon nanotubes in plants: promotion of nodulation and nitrogenase activity in the rhizobium-legume system. *Nanoscale*, **2017**, 9, 9921-9937	7.7	34
137	From Electrochemistry to Electroluminescence: Development and Application in a Ratiometric Aptasensor for Aflatoxin B1. *Analytical Chemistry*, **2017**, 89, 7578-7585	7.8	98
136	Ultrasensitive detection of aflatoxin B by SERS aptasensor based on exonuclease-assisted recycling amplification. *Biosensors and Bioelectronics*, **2017**, 97, 59-64	11.8	91
135	Tumor-Triggered Geometrical Shape Switch of Chimeric Peptide for Enhanced in Vivo Tumor Internalization and Photodynamic Therapy. *ACS Nano*, **2017**, 11, 3178-3188	16.7	90
134	Ammonia Mediated One-Step Synthesis of Three-Dimensional Porous PtxCu100−x Nanochain Networks with Enhanced Electrocatalytic Activity toward Polyhydric Alcohol Oxidation. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 11086-11095	8.3	24
133	Antibacterial Activity of Graphene Oxide/g-C3N4 Composite through Photocatalytic Disinfection under Visible Light. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 8693-8701	8.3	169
132	Pd–Au heterostructured nanonecklaces with adjustable interval and size as a superior catalyst for degradation of 4-nitrophenol. *CrystEngComm*, **2017**, 19, 5686-5691	3.3	3
131	Innentitelbild: Mineralized State of the Avian Influenza Virus in the Environment (Angew. Chem. 42/2017). *Angewandte Chemie*, **2017**, 129, 12968-12968	3.6	
130	Mineralized State of the Avian Influenza Virus in the Environment. *Angewandte Chemie - International Edition*, **2017**, 56, 12908-12912	16.4	15
129	Mineralized State of the Avian Influenza Virus in the Environment. *Angewandte Chemie*, **2017**, 129, 13088-13092	3.6	2
128	pH-Responsive Nanoscale Coordination Polymer for Efficient Drug Delivery and Real-Time Release Monitoring. *Advanced Healthcare Materials*, **2017**, 6, 1700470	10.1	26
127	Ultrasensitive SERS detection of Bacillus thuringiensis special gene based on Au@Ag NRs and magnetic beads. *Biosensors and Bioelectronics*, **2017**, 92, 321-327	11.8	36
126	Interaction between fluorescein isothiocyanate and carbon dots: Inner filter effect and fluorescence resonance energy transfer. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 171, 311-316	4.4	60

125	Near-infrared electrochemiluminesence biosensor for high sensitive detection of porcine reproductive and respiratory syndrome virus based on cyclodextrin-grafted porous Au/PtAu nanotube. *Sensors and Actuators B: Chemical*, **2017**, 240, 586-594	8.5	15
124	Graphene Oxide-Silver Nanocomposite: Novel Agricultural Antifungal Agent against Fusarium graminearum for Crop Disease Prevention. *ACS Applied Materials & Interfaces*, **2016**, 8, 24057-70	9.5	87
123	Self-assembly of Pt-based truncated octahedral crystals into metal-frameworks towards enhanced electrocatalytic activity. *Journal of Materials Chemistry A*, **2016**, 4, 15169-15180	13	10
122	Signal-Amplified Near-Infrared Ratiometric Electrochemiluminescence Aptasensor Based on Multiple Quenching and Enhancement Effect of Graphene/Gold Nanorods/G-Quadruplex. *Analytical Chemistry*, **2016**, 88, 8179-87	7.8	57
121	Enzymatic biosensor of horseradish peroxidase immobilized on Au-Pt nanotube/Au-graphene for the simultaneous determination of antioxidants. *Analytica Chimica Acta*, **2016**, 933, 89-96	6.6	32
120	Microbial synthesis of highly dispersed PdAu alloy for enhanced electrocatalysis. *Science Advances*, **2016**, 2, e1600858	14.3	65
119	Folic Acid-Targeted and Cell Penetrating Peptide-Mediated Theranostic Nanoplatform for High-Efficiency Tri-Modal Imaging-Guided Synergistic Anticancer Phototherapy. *Journal of Biomedical Nanotechnology*, **2016**, 12, 878-93	4	18
118	Carbon-Dot and Quantum-Dot-Coated Dual-Emission Core-Satellite Silica Nanoparticles for Ratiometric Intracellular Cu(2+) Imaging. *Analytical Chemistry*, **2016**, 88, 7395-403	7.8	88
117	Acidity-Triggered Tumor-Targeted Chimeric Peptide for Enhanced Intra-Nuclear Photodynamic Therapy. *Advanced Functional Materials*, **2016**, 26, 4351-4361	15.6	108
116	Vaccine Engineering with Dual-Functional Mineral Shell: A Promising Strategy to Overcome Preexisting Immunity. *Advanced Materials*, **2016**, 28, 694-700	24	33
115	Targeted Near-Infrared Fluorescent Turn-on Nanoprobe for Activatable Imaging and Effective Phototherapy of Cancer Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 15013-23	9.5	57
114	Investigation the interaction between protamine sulfate and CdTe quantum dots with spectroscopic techniques. *RSC Advances*, **2016**, 6, 10215-10220	3.7	15
113	Turn-on near-infrared electrochemiluminescence sensing of thrombin based on resonance energy transfer between CdTe/CdS coresmall/shellthick quantum dots and gold nanorods. *Biosensors and Bioelectronics*, **2016**, 82, 26-31	11.8	42
112	Intracellular delivery of biomineralized monoclonal antibodies to combat viral infection. *Chemical Communications*, **2016**, 52, 1879-82	5.8	9
111	A Novel Ratiometric Probe Based on Nitrogen-Doped Carbon Dots and Rhodamine B Isothiocyanate for Detection of Fe(3+) in Aqueous Solution. *Journal of Analytical Methods in Chemistry*, **2016**, 2016, 4939582	2	10
110	Platinum-based nitrogen-doped porous CxN1-x compounds used as a transducer for sensitive detection of hydrogen peroxide. *Electrochimica Acta*, **2016**, 209, 661-670	6.7	5
109	Synthesis of Tellurium Fusiform Nanoarchitectures by Controlled Living Nanowire Modification. *Journal of Physical Chemistry C*, **2016**, 120, 12305-12312	3.8	8
108	Regulating the oxidation degree of nickel foam: a smart strategy to controllably synthesize active Ni3S2 nanorod/nanowire arrays for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2016**, 4, 8029-8040	13	42

107	Highly sensitive enzyme-free immunosorbent assay for porcine circovirus type 2 antibody using Au-Pt/SiO2 nanocomposites as labels. *Biosensors and Bioelectronics*, **2016**, 82, 177-84	11.8	36
106	Controlled Synthesis of Au-Island-Covered Pd Nanotubes with Abundant Heterojunction Interfaces for Enhanced Electrooxidation of Alcohol. *ACS Applied Materials & Interfaces*, **2016**, 8, 12792-7	9.5	25
105	Mitochondria-Targeted Chimeric Peptide for Trinitarian Overcoming of Drug Resistance. *ACS Applied Materials & Interfaces*, **2016**, 8, 25060-8	9.5	54
104	Carbon dots as inhibitors of virus by activation of type I interferon response. *Carbon*, **2016**, 110, 278-285	10.4	82
103	Platinum Dendritic-Flowers Prepared by Tellurium Nanowires Exhibit High Electrocatalytic Activity for Glycerol Oxidation. *ACS Applied Materials & Interfaces*, **2015**, 7, 17725-30	9.5	42
102	An aqueous platinum nanotube based fluorescent immuno-assay for porcine reproductive and respiratory syndrome virus detection. *Talanta*, **2015**, 144, 324-8	6.2	3
101	Quantum dots decorated gold nanorod as fluorescent-plasmonic dual-modal contrasts agent for cancer imaging. *Biosensors and Bioelectronics*, **2015**, 74, 16-23	11.8	46
100	One-step synthesis of high-quality homogenous Te/Se alloy nanorods with various morphologies. *CrystEngComm*, **2015**, 17, 3243-3250	3.3	13
99	Antiviral Activity of Graphene Oxide: How Sharp Edged Structure and Charge Matter. *ACS Applied Materials & Interfaces*, **2015**, 7, 21571-9	9.5	222
98	Enhanced immunoassay for porcine circovirus type 2 antibody using enzyme-loaded and quantum dots-embedded shell-core silica nanospheres based on enzyme-linked immunosorbent assay. *Analytica Chimica Acta*, **2015**, 887, 192-200	6.6	21
97	Universal chitosan-assisted synthesis of Ag-including heterostructured nanocrystals for label-free in situ SERS monitoring. *Nanoscale*, **2015**, 7, 18878-82	7.7	9
96	Spiny-porous platinum nanotubes with enhanced electrocatalytic activity for methanol oxidation. *Journal of Materials Chemistry A*, **2015**, 3, 1388-1391	13	25
95	Synthesis of functionalized 3D porous graphene using both ionic liquid and SiO2 spheres as "spacers" for high-performance application in supercapacitors. *Nanoscale*, **2015**, 7, 659-69	7.7	48
94	Microwave-assisted synthesis of high-quality CdTe/CdS@ZnS@SiO2 near-infrared-emitting quantum dots and their applications in Hg2+ sensing and imaging. *Sensors and Actuators B: Chemical*, **2015**, 207, 74-82	8.5	22
93	Two-dimensional colloidal crystal assisted formation of conductive porous gold films with flexible structural controllability. *Journal of Colloid and Interface Science*, **2015**, 437, 291-296	9.3	4
92	Virus capture and destruction by label-free graphene oxide for detection and disinfection applications. *Small*, **2015**, 11, 1171-6	11	91
91	Probing the interactions of CdTe quantum dots with pseudorabies virus. *Scientific Reports*, **2015**, 5, 16402	4.9	20
90	Facile Synthesis of Quasi-One-Dimensional Au/PtAu Heterojunction Nanotubes and Their Application as Catalysts in an Oxygen-Reduction Reaction. *Chemistry - A European Journal*, **2015**, 21, 7556-61	4.8	11

89	Clean Synthesis of an Economical 3D Nanochain Network of PdCu Alloy with Enhanced Electrocatalytic Performance towards Ethanol Oxidation. *Chemistry - A European Journal*, **2015**, 21, 17779-85	5.8	43
88	Evaluation of Biological Toxicity of CdTe Quantum Dots with Different Coating Reagents according to Protein Expression of EngineeringEscherichia coli. *Journal of Nanomaterials*, **2015**, 2015, 1-7	3.2	4
87	Recent advances in the use of near-infrared quantum dots as optical probes for bioanalytical, imaging and solar cell application. *Mikrochimica Acta*, **2014**, 181, 1485-1495	5.8	26
86	Graphene oxide exhibits broad-spectrum antimicrobial activity against bacterial phytopathogens and fungal conidia by intertwining and membrane perturbation. *Nanoscale*, **2014**, 6, 1879-89	7.7	382
85	Intravital imaging of Bacillus thuringiensis Cry1A toxin binding sites in the midgut of silkworm. *Analytical Biochemistry*, **2014**, 447, 90-7	3.1	4
84	Biocompatible and highly luminescent near-infrared CuInS/ZnS quantum dots embedded silica beads for cancer cell imaging. *ACS Applied Materials & Interfaces*, **2014**, 6, 2011-7	9.5	95
83	A brilliant sandwich type fluorescent nanostructure incorporating a compact quantum dot layer and versatile silica substrates. *Chemical Communications*, **2014**, 50, 2896-9	5.8	25
82	Hierarchical nanogaps within bioscaffold arrays as a high-performance SERS substrate for animal virus biosensing. *ACS Applied Materials & Interfaces*, **2014**, 6, 6281-9	9.5	92
81	Target triggered self-assembly of Au nanoparticles for amplified detection of Bacillus thuringiensis transgenic sequence using SERS. *Biosensors and Bioelectronics*, **2014**, 62, 196-200	11.8	23
80	Hydrogen-bonding recognition-induced aggregation of gold nanoparticles for the determination of the migration of melamine monomers using dynamic light scattering. *Analytica Chimica Acta*, **2014**, 845, 92-7	6.6	19
79	Stretch-stowage-growth strategy to fabricate tunable triply-amplified electrochemiluminescence immunosensor for ultrasensitive detection of pseudorabies virus antibody. *Analytical Chemistry*, **2014**, 86, 5749-57	7.8	44
78	Study on the interaction between histidine-capped Au nanoclusters and bovine serum albumin with spectroscopic techniques. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 118, 897-902	4.4	23
77	Facile synthesis of CuInZnS alloyed nanocrystals with temperature-dependent photoluminescence spectra. *Materials Letters*, **2014**, 119, 100-103	3.3	16
76	Evaluation and mechanism of antifungal effects of carbon nanomaterials in controlling plant fungal pathogen. *Carbon*, **2014**, 68, 798-806	10.4	105
75	A new function of graphene oxide emerges: inactivating phytopathogenic bacterium Xanthomonas oryzae pv. Oryzae. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	91
74	Sensitive immunoassay for porcine pseudorabies antibody based on fluorescence signal amplification induced by cation exchange in CdSe nanocrystals. *Mikrochimica Acta*, **2013**, 180, 303-310	5.8	6
73	Excellent electrochemical performance of nitrogen-enriched hierarchical porous carbon electrodes prepared using nano-CaCO3 as template. *Journal of Solid State Electrochemistry*, **2013**, 17, 2651-2660	2.6	34
72	Evaluation of antibacterial effects of carbon nanomaterials against copper-resistant Ralstonia solanacearum. *Colloids and Surfaces B: Biointerfaces*, **2013**, 103, 136-42	6	79

71	A SERS-based immunoassay for porcine circovirus type 2 using multi-branched gold nanoparticles. *Mikrochimica Acta*, **2013**, 180, 1501-1507	5.8	17
70	Aqueous synthesis of porous platinum nanotubes at room temperature and their intrinsic peroxidase-like activity. *Chemical Communications*, **2013**, 49, 6024-6	5.8	106
69	The "kinetic capture" of an acylium ion from live aluminum chloride promoted Friedel-Crafts acylation reactions. *Organic and Biomolecular Chemistry*, **2013**, 11, 1810-4	3.9	11
68	Near-infrared electrogenerated chemiluminescence from quantum dots. *Reviews in Analytical Chemistry*, **2013**, 32,	2.3	7
67	Wavelength Dependence of Fluorescence Quenching of CdTe Quantum Dots by Gold Nanoclusters. *Journal of Physical Chemistry C*, **2013**, 117, 3011-3018	3.8	17
66	Solid-state voltammetry-based electrochemical immunosensor for Escherichia coli using graphene oxide-Ag nanoparticle composites as labels. *Analyst, The*, **2013**, 138, 3388-93	5	24
65	Synthesis and spectroscopic characterization of water-soluble fluorescent ag nanoclusters. *Journal of Analytical Methods in Chemistry*, **2013**, 2013, 261648	2	7
64	Facile Synthesis and Characterization of Au Nanoclusters-Silica Fluorescent Composite Nanospheres. *Journal of Nanomaterials*, **2013**, 2013, 1-5	3.2	4
63	A practicable detection system for genetically modified rice by SERS-barcoded nanosensors. *Biosensors and Bioelectronics*, **2012**, 34, 118-24	11.8	42
62	Facile synthesis of fluorescent carbon dots using watermelon peel as a carbon source. *Materials Letters*, **2012**, 66, 222-224	3.3	343
61	Organosilane micellization for direct encapsulation of hydrophobic quantum dots into silica beads with highly preserved fluorescence. *Chemical Communications*, **2012**, 48, 6145-7	5.8	18
60	A fast and sensitive immunoassay of avian influenza virus based on label-free quantum dot probe and lateral flow test strip. *Talanta*, **2012**, 100, 1-6	6.2	81
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