Xingyu Jiang

List of Publications by Year in descending order

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		3731	6471
403	31,374	89	157
papers	citations	h-index	g-index

429	429	429	33361
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cellulosic substrate materials with multi-scale building blocks: fabrications, properties and applications in bioelectronic devices. Chemical Engineering Journal, 2022, 430, 132562.	12.7	17
2	Aggregation-Induced Fluorogens in Bio-Detection, Tumor Imaging, and Therapy: A Review. CCS Chemistry, 2022, 4, 420-436.	7.8	25
3	Liquid metal-polymer conductor-based wireless, battery-free epidermal patch. Biosensors and Bioelectronics, 2022, 197, 113765.	10.1	13
4	Development of antimicrobial oxidized cellulose film for active food packaging. Carbohydrate Polymers, 2022, 278, 118922.	10.2	26
5	Room-Temperature Harvesting Oxidase-Mimicking Enzymes with Exogenous ROS Generation in One Step. Inorganic Chemistry, 2022, 61, 1169-1177.	4.0	9
6	Bioeffects of Inhaled Nanoplastics on Neurons and Alteration of Animal Behaviors through Deposition in the Brain. Nano Letters, 2022, 22, 1091-1099.	9.1	62
7	Multiplexed Lab-on-a-Chip Bioassays for Testing Antibodies against SARS-CoV-2 and Its Variants in Multiple Individuals. Analytical Chemistry, 2022, 94, 2510-2516.	6.5	7
8	Modulating the catalytic activity of gold nanoparticles using amine-terminated ligands. Chemical Science, 2022, 13, 1080-1087.	7.4	16
9	Aminophenol-modified gold nanoparticles kill bacteria with minimal ototoxicity. Chemical Communications, 2022, , .	4.1	3
10	Screening on-chip fabricated nanoparticles for penetrating the bloodâ€“brain barrier. Nanoscale, 2022, 14, 3234-3241.	5.6	9
11	Methyltransferase like 7B is a potential therapeutic target for reversing EGFR-TKIs resistance in lung adenocarcinoma. Molecular Cancer, 2022, 21, 43.	19.2	26
12	Heterogeneous Iron Oxide/Dysprosium Oxide Nanoparticles Target Liver for Precise Magnetic Resonance Imaging of Liver Fibrosis. ACS Nano, 2022, 16, 5647-5659.	14.6	12
13	Automated Centrifugal Microfluidic Chip Integrating Pretreatment and Molecular Diagnosis for Hepatitis B Virus Genotyping from Whole Blood. Analytical Chemistry, 2022, 94, 5196-5203.	6.5	25
14	Wetâ€Adhesive Elastomer for Liquid Metalâ€Based Conformal Epidermal Electronics. Advanced Functional Materials, 2022, 32, .	14.9	59
15	Flexible Electronic Catheter Based on Nanofibers for the In Vivo Elimination of Circulating Tumor Cells. ACS Nano, 2022, 16, 5274-5283.	14.6	15
16	Principles of Plasmonic Gold Nanoprobe-Based Bioassays. , 2022, , 403-447.		0
17	Facile and Controllable Synthesis of the Renal-Clearable â€œLuminous Pearlsâ€•for in Vivo Afterglow/Magnetic Resonance Imaging. ACS Nano, 2022, 16, 462-472.	14.6	15
18	Dual Gold Nanoparticle/Chemiluminescent Immunoassay for Sensitive Detection of Multiple Analytes. Analytical Chemistry, 2022, 94, 6628-6634.	6.5	25

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19	Multifunctional glass fibre filter modified with vertical graphene for one-step dynamic water filtration and disinfection. Journal of Materials Chemistry A, 2022, 10, 12125-12131.	10.3	4
20	Aminophenol-Decorated Gold Nanoparticles for Curing Bacterial Infections. Nano Letters, 2022, 22, 3576-3582.	9.1	26
21	Boronic Acid-Decorated Multivariate Photosensitive Metalâ€“Organic Frameworks for Combating Multi-Drug-Resistant Bacteria. ACS Nano, 2022, 16, 7732-7744.	14.6	42
22	In Situ Deposition of Skin-Adhesive Liquid Metal Particles with Robust Wear Resistance for Epidermal Electronics. Nano Letters, 2022, 22, 4482-4490.	9.1	41
23	Modulating the antibacterial activity of gold nanoparticles by balancing their monodispersity and aggregation. Chemical Communications, 2022, 58, 7690-7693.	4.1	4
24	Skin Electronics from Biocompatible In Situ Welding Enabled By Intrinsically Sticky Conductors. Advanced Science, 2022, 9, .	11.2	36
25	Breathable and Stretchable Dressings for Accelerating Healing of Infected Wounds. Advanced Healthcare Materials, 2022, 11, .	7.6	8
26	Deploying Gold Nanomaterials in Combating Multi-Drug-Resistant Bacteria. ACS Nano, 2022, 16, 10066-10087.	14.6	55
27	Dual-CRISPR/Cas12a-Assisted RT-RAA for Ultrasensitive SARS-CoV-2 Detection on Automated Centrifugal Microfluidics. Analytical Chemistry, 2022, 94, 9603-9609.	6.5	35
28	Synthetic multi-layer nanoparticles for CRISPR-Cas9 genome editing. Advanced Drug Delivery Reviews, 2021, 168, 55-78.	13.7	46
29	Bioinspired membrane provides periosteum-mimetic microenvironment for accelerating vascularized bone regeneration. Biomaterials, 2021, 268, 120561.	11.4	60
30	Composite Film with Antibacterial Gold Nanoparticles and Silk Fibroin for Treating Multidrug-Resistant E. coli-Infected Wounds. ACS Biomaterials Science and Engineering, 2021, 7, 1827-1835.	5.2	27
31	Highly Stretchable Metalâ€“Polymer Conductor Electrode Array for Electrophysiology. Advanced Healthcare Materials, 2021, 10, e2000641.	7.6	25
32	Universal and high-fidelity DNA single nucleotide polymorphism detection based on a CRISPR/Cas12a biochip. Chemical Science, 2021, 12, 4455-4462.	7.4	72
33	DNA cleavage and chemical transformation of nano-plastics mediated by surface ligand and size. Chemical Communications, 2021, 57, 9740-9743.	4.1	3
34	Microfluidic devices for viral detection. , 2021, , 587-615.		0
35	Oral Administration of Starting Materials for In Vivo Synthesis of Antibacterial Gold Nanoparticles for Curing Remote Infections. Nano Letters, 2021, 21, 1124-1131.	9.1	27
36	The antibacterial activities of MoS₂ nanosheets towards multi-drug resistant bacteria. Chemical Communications, 2021, 57, 2998-3001.	4.1	33

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37	Evaluation of the in vivo behavior of antibacterial gold nanoparticles for potential biomedical applications. Journal of Materials Chemistry B, 2021, 9, 3025-3031.	5.8	7
38	Biodegradable freestanding rare-earth nanosheets promote multimodal imaging and delivers CRISPRâ€“Cas9 plasmid against tumor. Chemical Communications, 2021, 57, 9386-9389.	4.1	1
39	Integrated Microfluidic Synthesis of Aptamer Functionalized Biozeolitic Imidazolate Framework (BioZIF-8) Targeting Lymph Node and Tumor. Nano Letters, 2021, 21, 1335-1344.	9.1	33
40	Reversing Bacterial Resistance to Gold Nanoparticles by Size Modulation. Nano Letters, 2021, 21, 1992-2000.	9.1	46
41	Electroluminescent Fabric Woven by Ultrastretchable Fibers for Arbitrarily Controllable Pattern Display. ACS Applied Materials & Interfaces, 2021, 13, 11260-11267.	8.0	31
42	DNA Cleavage by Chemically Exfoliated Molybdenum Disulfide Nanosheets. Environmental Science & Technology, 2021, 55, 4037-4044.	10.0	5
43	Printed Stretchable Liquid Metal Electrode Arrays for In Vivo Neural Recording. Small, 2021, 17, e2006612.	10.0	67
44	Enhancing gene editing efficiency for cells by CRISPR/Cas9 system-loaded multilayered nanoparticles assembled via microfluidics. Chinese Journal of Chemical Engineering, 2021, 38, 216-216.	3.5	6
45	Integrating a Concentration Gradient Generator and a Singleâ€Cell Trapper Array for Highâ€Throughput Screening the Bioeffects of Nanomaterials. Angewandte Chemie, 2021, 133, 12427-12430.	2.0	1
46	Integrating a Concentration Gradient Generator and a Singleâ€Cell Trapper Array for Highâ€Throughput Screening the Bioeffects of Nanomaterials. Angewandte Chemie - International Edition, 2021, 60, 12319-12322.	13.8	19
47	Nanoscale Metalâ€“Organic Frameworks That are Both Fluorescent and Hollow for Self-Indicating Drug Delivery. ACS Applied Materials & Interfaces, 2021, 13, 18554-18562.	8.0	15
48	Reversing the Chirality of Surface Ligands Can Improve the Biosafety and Pharmacokinetics of Cationic Gold Nanoclusters. Angewandte Chemie - International Edition, 2021, 60, 13829-13834.	13.8	45
49	Point-of-Care Immunoassays with Tunable Detection Range for Detecting Infection in Intensive Care Unit. CCS Chemistry, 2021, 3, 1562-1572.	7.8	8
50	On-Chip Multicolor Photoacoustic Imaging Flow Cytometry. Analytical Chemistry, 2021, 93, 8134-8142.	6.5	17
51	Reversing the Chirality of Surface Ligands Can Improve the Biosafety and Pharmacokinetics of Cationic Gold Nanoclusters. Angewandte Chemie, 2021, 133, 13948-13953.	2.0	7
52	Digital Hybridization Human Papillomavirus Assay with Attomolar Sensitivity without Amplification. ACS Nano, 2021, 15, 13077-13084.	14.6	24
53	Small Molecule-Capped Gold Nanoclusters for Curing Skin Infections. ACS Applied Materials & Interfaces, 2021, 13, 35306-35314.	8.0	16
54	Anticoagulant Hydrogel Tubes with Poly(É›â€Caprolactone) Sheaths for Smallâ€Diameter Vascular Grafts. Advanced Healthcare Materials, 2021, 10, e2100839.	7.6	13

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55	A Soft and Absorbable Temporary Epicardial Pacing Wire. Advanced Materials, 2021, 33, e2101447.	21.0	25
56	Dialdehyde Nanocrystalline Cellulose as Antibiotic Substitutes against Multidrug-Resistant Bacteria. ACS Applied Materials & Interfaces, 2021, 13, 33802-33811.	8.0	24
57	Epidermal Sensor for Potentiometric Analysis of Metabolite and Electrolyte. Analytical Chemistry, 2021, 93, 11525-11531.	6.5	32
58	Novel nanomedicines to overcome cancer multidrug resistance. Drug Resistance Updates, 2021, 58, 100777.	14.4	93
59	Optimisation of a Microfluidic Method for the Delivery of a Small Peptide. Pharmaceutics, 2021, 13, 1505.	4.5	3
60	Multilayered electronic transfer tattoo that can enable the crease amplification effect. Science Advances, 2021, 7, .	10.3	112
61	Micropatterned Coculture Platform for Screening Nerve-Related Anticancer Drugs. ACS Nano, 2021, 15, 637-649.	14.6	5
62	Wearable chem-biosensing devices: from basic research to commercial market. Lab on A Chip, 2021, 21, 4285-4310.	6.0	29
63	Controlling the pyridiniumâ€“zwitterionic ligand ratio on atomically precise gold nanoclusters allowing for eradicating Gram-positive drug-resistant bacteria and retaining biocompatibility. Chemical Science, 2021, 12, 14871-14882.	7.4	23
64	Fluorescent and Antibacterial Aminobenzeneboronic Acid (ABA)-Modified Gold Nanoclusters for Self-Monitoring Residual Dosage and Smart Wound Care. ACS Nano, 2021, 15, 17885-17894.	14.6	42
65	Two dimensional nanosheets as immunoregulator improve HIV vaccine efficacy. Chemical Science, 2021, 13, 178-187.	7.4	4
66	Impact of nanomaterials on the intestinal mucosal barrier and its application in treating intestinal diseases. Nanoscale Horizons, 2021, 7, 6-30.	8.0	13
67	Microfluidics for Biomedical Analysis. Small Methods, 2020, 4, 1900451.	8.6	107
68	Gold Nanoclusters-Coated Orthodontic Devices Can Inhibit the Formation of Streptococcus mutans Biofilm. ACS Biomaterials Science and Engineering, 2020, 6, 1239-1246.	5.2	43
69	Isothermal kinase-triggered supramolecular assemblies as drug sensitizers. Chemical Science, 2020, 11, 1132-1139.	7.4	12
70	Metal-hygroscopic polymer conductors that can secrete solders for connections in stretchable devices. Materials Horizons, 2020, 7, 1186-1194.	12.2	24
71	Reagents-Loaded, Automated Assay that Integrates Recombinase-Aided Amplification and Cas12a Nucleic Acid Detection for a Point-of-Care Test. Analytical Chemistry, 2020, 92, 14846-14852.	6.5	86
72	A Soft, Conductive External Stent Inhibits Intimal Hyperplasia in Vein Grafts by Electroporation and Mechanical Restriction. ACS Nano, 2020, 14, 16770-16780.	14.6	22

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73	Use of Microfluidics to Fabricate Bioerodable Lipid Hybrid Nanoparticles Containing Hydromorphone or Ketamine for the Relief of Intractable Pain. Pharmaceutical Research, 2020, 37, 211.	3.5	9
74	Electronic Blood Vessel. Matter, 2020, 3, 1664-1684.	10.0	58
75	Near-Infrared Light-Activated Phototherapy by Gold Nanoclusters for Dispersing Biofilms. ACS Applied Materials & Interfaces, 2020, 12, 9041-9049.	8.0	95
76	Four-in-One: Advanced Copper Nanocomposites for Multianalyte Assays and Multicoding Logic Gates. ACS Nano, 2020, 14, 9107-9116.	14.6	10
77	Highly Stretchable and Biocompatible Liquid Metalâ€Elastomer Conductors for Selfâ€Healing Electronics. Small, 2020, 16, e2005336.	10.0	89
78	Bright Aggregation-Induced Emission Nanoparticles for Two-Photon Imaging and Localized Compound Therapy of Cancers. ACS Nano, 2020, 14, 16840-16853.	14.6	72
79	Bimetallic nanoparticles against multi-drug resistant bacteria. Chemical Communications, 2020, 56, 10918-10921.	4.1	32
80	Surface-modified mesoporous nanofibers for microfluidic immunosensor with an ultra-sensitivity and high signal-to-noise ratio. Biosensors and Bioelectronics, 2020, 166, 112444.	10.1	13
81	Biological Safe Gold Nanoparticle-Modified Dental Aligner Prevents the Porphyromonas gingivalis Biofilm Formation. ACS Omega, 2020, 5, 18685-18692.	3.5	34
82	Ligand-regulated self-assembly of luminescent Au nanoparticles towards diverse controllable superstructures. Chemical Communications, 2020, 56, 14023-14026.	4.1	6
83	Activating the Antibacterial Effect of 4,6â€Diaminoâ€2â€pyrimidinethiolâ€Modified Gold Nanoparticles by Reducing their Sizes. Angewandte Chemie - International Edition, 2020, 59, 23471-23475.	13.8	44
84	Enzyme-Regulated Peptide-Liquid Metal Hybrid Hydrogels as Cell Amber for Single-Cell Manipulation. ACS Applied Materials & Interfaces, 2020, 12, 45807-45813.	8.0	3
85	Subâ€10â€…nm Aggregationâ€Induced Emission Quantum Dots Assembled by Microfluidics for Enhanced Tumor Targeting and Reduced Retention in the Liver. Angewandte Chemie, 2020, 132, 22083-22087.	2.0	8
86	Uracil-DNA-glycosylase-assisted loop-mediated isothermal amplification for detection of bacteria from urine samples with reduced contamination. Analyst, The, 2020, 145, 7048-7055.	3.5	11
87	Subâ€10â€…nm Aggregationâ€Induced Emission Quantum Dots Assembled by Microfluidics for Enhanced Tumor Targeting and Reduced Retention in the Liver. Angewandte Chemie - International Edition, 2020, 59, 21899-21903.	13.8	45
88	Activating the Antibacterial Effect of 4,6â€Diaminoâ€2â€pyrimidinethiolâ€Modified Gold Nanoparticles by Reducing their Sizes. Angewandte Chemie, 2020, 132, 23677-23681.	2.0	9
89	CB1-Antibody Modified Liposomes for Targeted Modulation of Epileptiform Activities Synchronously Detected by Microelectrode Arrays. ACS Applied Materials & Interfaces, 2020, 12, 41148-41156.	8.0	15
90	Mercaptophenylboronic Acid-Activated Gold Nanoparticles as Nanoantibiotics against Multidrug-Resistant Bacteria. ACS Applied Materials & Interfaces, 2020, 12, 51148-51159.	8.0	38

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91	Nanoliposome-encapsulated caged-GABA for modulating neural electrophysiological activity with simultaneous detection by microelectrode arrays. Nano Research, 2020, 13, 1756-1763.	10.4	11
92	Cellophane or Nanopaper: Which Is Better for the Substrates of Flexible Electronic Devices?. ACS Sustainable Chemistry and Engineering, 2020, 8, 7774-7784.	6.7	23
93	Supramolecular assemblies mimicking neutrophil extracellular traps for MRSE infection control. Biomaterials, 2020, 253, 120124.	11.4	22
94	The Density of Surface Coating Can Contribute to Different Antibacterial Activities of Gold Nanoparticles. Nano Letters, 2020, 20, 5036-5042.	9.1	90
95	Water-processable liquid metal nanoparticles by single-step polymer encapsulation. Nanoscale, 2020, 12, 13731-13741.	5.6	38
96	Rapid Fabrication of Selfâ€Healing, Conductive, and Injectable Gel as Dressings for Healing Wounds in Stretchable Parts of the Body. Advanced Functional Materials, 2020, 30, 2002370.	14.9	146
97	Stretchable conductive adhesives for connection of electronics in wearable devices based on metal-polymer conductors and carbon nanotubes. Composites Science and Technology, 2020, 197, 108237.	7.8	28
98	Small molecule-decorated gold nanoparticles for preparing antibiofilm fabrics. Nanoscale Advances, 2020, 2, 2293-2302.	4.6	28
99	Increasing the Assembly Efficacy of Peptidic Î²-Sheets for a Highly-Sensitive HIV Detection. Analytical Chemistry, 2020, 92, 11089-11094.	6.5	6
100	2D AuPd alloy nanosheets: one-step synthesis as imaging-guided photonic nano-antibiotics. Nanoscale Advances, 2020, 2, 3550-3560.	4.6	13
101	Titanium Incorporation into Zrâ€Porphyrinic Metalâ€“Organic Frameworks with Enhanced Antibacterial Activity against Multidrugâ€Resistant Pathogens. Small, 2020, 16, e1906240.	10.0	116
102	Surface chemistry of gold nanoparticles for health-related applications. Chemical Science, 2020, 11, 923-936.	7.4	191
103	An immunoassay based on lab-on-a-chip for simultaneous and sensitive detection of clenbuterol and ractopamine. Chinese Chemical Letters, 2020, 31, 1835-1838.	9.0	14
104	Detection of Circulating Tumor Cells by Fluorescence Microspheres-Mediated Amplification. Analytical Chemistry, 2020, 92, 6968-6976.	6.5	29
105	Benzeneselenol-modified gold nanoclusters for cancer therapy. Chemical Communications, 2020, 56, 6664-6667.	4.1	16
106	Delivery of CRISPR/Cas9 by Novel Strategies for Gene Therapy. ChemBioChem, 2019, 20, 634-643.	2.6	48
107	Microfluidics for Biomedical Applications. , 2019, , 368-383.		1
108	High-throughput blood sample preparation for single nucleotide polymorphism genotyping in less than 25â€¯min. Talanta, 2019, 191, 119-125.	5.5	0

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109	Manufacture of Hydrophobic Nanocomposite Films with High Printability. ACS Sustainable Chemistry and Engineering, 2019, 7, 15404-15412.	6.7	16
110	Tripleâ€Targeting Delivery of CRISPR/Cas9 To Reduce the Risk of Cardiovascular Diseases. Angewandte Chemie, 2019, 131, 12534-12538.	2.0	13
111	Tripleâ€Targeting Delivery of CRISPR/Cas9 To Reduce the Risk of Cardiovascular Diseases. Angewandte Chemie - International Edition, 2019, 58, 12404-12408.	13.8	107
112	Hierarchically structured microchip for point-of-care immunoassays with dynamic detection ranges. Lab on A Chip, 2019, 19, 2750-2757.	6.0	28
113	Microfluidics-based approaches for separation and analysis of circulating tumor cells. TrAC - Trends in Analytical Chemistry, 2019, 117, 84-100.	11.4	42
114	A hinge-based aligner for fast, large-scale assembly of microfluidic chips. Biomedical Microdevices, 2019, 21, 69.	2.8	8
115	Nanomaterials for the theranostics of obesity. Biomaterials, 2019, 223, 119474.	11.4	27
116	Microfluidic Synthesis of Gdâ€Based Nanoparticles for Fast and Ultralong MRI Signals in the Solid Tumor. Advanced Healthcare Materials, 2019, 8, 1900672.	7.6	22
117	Albumin Broadens the Antibacterial Capabilities of Nonantibiotic Small Molecule-Capped Gold Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 45381-45389.	8.0	39
118	Large-Scale Fabrication of Highly Elastic Conductors on a Broad Range of Surfaces. ACS Applied Materials & Interfaces, 2019, 11, 7138-7147.	8.0	72
119	Multivalent Aminosaccharide-Based Gold Nanoparticles as Narrow-Spectrum Antibiotics in Vivo. ACS Applied Materials & Interfaces, 2019, 11, 7725-7730.	8.0	37
120	Barcoded point-of-care bioassays. Chemical Society Reviews, 2019, 48, 850-884.	38.1	120
121	Construction of Dopamine-Releasing Gold Surfaces Mimicking Presynaptic Membrane by On-Chip Electrochemistry. Journal of the American Chemical Society, 2019, 141, 8816-8824.	13.7	15
122	Cell-Based Assays on Microfluidics for Drug Screening. ACS Sensors, 2019, 4, 1465-1475.	7.8	44
123	Plasma Treatment Conversion of Phenolic Compounds into Fluorescent Organic Nanoparticles for Cell Imaging. Analytical Chemistry, 2019, 91, 6754-6760.	6.5	11
124	Profiling proteinâ€“protein interactions of single cancer cells with in situ lysis and co-immunoprecipitation. Lab on A Chip, 2019, 19, 1922-1928.	6.0	14
125	High-efficiency transfer of fingerprints from various surfaces using nanofibrillated cellulose. Nanoscale Horizons, 2019, 4, 953-959.	8.0	18
126	Gold Nanoparticles Cure Bacterial Infection with Benefit to Intestinal Microflora. ACS Nano, 2019, 13, 5002-5014.	14.6	73

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127	Bio-functional electrospun nanomaterials: From topology design to biological applications. Progress in Polymer Science, 2019, 91, 1-28.	24.7	92
128	Highly efficient capture of circulating tumor cells with low background signals by using pyramidal microcavity array. Analytica Chimica Acta, 2019, 1060, 133-141.	5.4	18
129	Molecular Design of Î²â€Sheet Peptide for the Multiâ€Modal Analysis of Disease. Angewandte Chemie, 2019, 131, 1640-1645.	2.0	2
130	Advances in Reagents Storage and Release in Selfâ€Contained Pointâ€ofâ€Care Devices. Advanced Materials Technologies, 2019, 4, 1800625.	5.8	30
131	Microfluidicsâ€Based Biomaterials and Biodevices. Advanced Materials, 2019, 31, e1805033.	21.0	102
132	Molecular Design of Î²â€Sheet Peptide for the Multiâ€Modal Analysis of Disease. Angewandte Chemie - International Edition, 2019, 58, 1626-1631.	13.8	30
133	Gold Nanoclusters for Targeting Methicillinâ€Resistant Staphylococcusâ€...aureus Inâ€...Vivo. Angewandte Chemie, 2018, 130, 4022-4026.	2.0	15
134	Controllable Assembly of Enzymes for Multiplexed Labâ€onâ€aâ€Chip Bioassays with a Tunable Detection Range. Angewandte Chemie - International Edition, 2018, 57, 7503-7507.	13.8	77
135	Straightforward and Ultrastable Surface Modification of Microfluidic Chips with Norepinephrine Bitartrate Improves Performance in Immunoassays. Analytical Chemistry, 2018, 90, 3697-3702.	6.5	13
136	Controllable Assembly of Enzymes for Multiplexed Labâ€onâ€aâ€Chip Bioassays with a Tunable Detection Range. Angewandte Chemie, 2018, 130, 7625-7629.	2.0	10
137	Rapid Detection of Copper in Biological Systems Using Click Chemistry. Small, 2018, 14, e1703857.	10.0	39
138	Functionalized Gold Nanoclusters Identify Highly Reactive Oxygen Species in Living Organisms. Advanced Functional Materials, 2018, 28, 1702026.	14.9	92
139	T₁-Mediated Nanosensor for Immunoassay Based on an Activatable MnO₂ Nanoassembly. Analytical Chemistry, 2018, 90, 2765-2771.	6.5	21
140	Gold Nanoclusters for Targeting Methicillinâ€Resistant Staphylococcusâ€...aureus Inâ€...Vivo. Angewandte Chemie - International Edition, 2018, 57, 3958-3962.	13.8	190
141	Cu-T₁ Sensor for Versatile Analysis. Analytical Chemistry, 2018, 90, 2833-2838.	6.5	25
142	Hand-powered centrifugal microfluidic platform inspired by the spinning top for sample-to-answer diagnostics of nucleic acids. Lab on A Chip, 2018, 18, 610-619.	6.0	81
143	Microfluidics for producing poly (lactic-co-glycolic acid)-based pharmaceutical nanoparticles. Advanced Drug Delivery Reviews, 2018, 128, 101-114.	13.7	107
144	Thermoâ€triggered Release of CRISPRâ€Cas9 System by Lipidâ€Encapsulated Gold Nanoparticles for Tumor Therapy. Angewandte Chemie - International Edition, 2018, 57, 1491-1496.	13.8	306

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145	Reverse Reconstruction and Bioprinting of Bacterial Celluloseâ€Based Functional Total Intervertebral Disc for Therapeutic Implantation. Small, 2018, 14, 1702582.	10.0	51
146	Fabrication of cellulose/graphene paper as a stable-cycling anode materials without collector. Carbohydrate Polymers, 2018, 184, 30-36.	10.2	23
147	Versatile T₁-Based Chemical Analysis Platform Using Fe³⁺/Fe²⁺ Interconversion. Analytical Chemistry, 2018, 90, 1234-1240.	6.5	30
148	Thermoâ€triggered Release of CRISPRâ€Cas9 System by Lipidâ€Encapsulated Gold Nanoparticles for Tumor Therapy. Angewandte Chemie, 2018, 130, 1507-1512.	2.0	17
149	Stereodivergent Allylation of Azaaryl Acetamides and Acetates by Synergistic Iridium and Copper Catalysis. Journal of the American Chemical Society, 2018, 140, 1239-1242.	13.7	195
150	A Strategy for Rapid Construction of Blood Vesselâ€Like Structures with Complex Cell Alignments. Macromolecular Bioscience, 2018, 18, e1700408.	4.1	10
151	Cascade Reaction-Mediated Assembly of Magnetic/Silver Nanoparticles for Amplified Magnetic Biosensing. Analytical Chemistry, 2018, 90, 6906-6912.	6.5	48
152	Cellulose nanocrystals as reinforcements for collagen-based casings with low gas transmission. Cellulose, 2018, 25, 463-471.	4.9	31
153	Synthesizing Living Tissues with Microfluidics. Accounts of Chemical Research, 2018, 51, 3166-3173.	15.6	25
154	Synergistic enzymatic and bioorthogonal reactions for selective prodrug activation in living systems. Nature Communications, 2018, 9, 5032.	12.8	141
155	The construction of drug-resistant cancer cell lines by CRISPR/Cas9 system for drug screening. Science Bulletin, 2018, 63, 1411-1419.	9.0	16
156	Interaction between Surface Charge-Modified Gold Nanoparticles and Phospholipid Membranes. Langmuir, 2018, 34, 12583-12589.	3.5	32
157	Iron oxide nanoparticles for targeted imaging of liver tumors with ultralow hepatotoxicity. Journal of Materials Chemistry B, 2018, 6, 6413-6423.	5.8	20
158	Hydrogels Incorporating Au@Polydopamine Nanoparticles: Robust Performance for Optical Sensing. Analytical Chemistry, 2018, 90, 11423-11430.	6.5	52
159	Bacterial Cellulose as a Supersoft Neural Interfacing Substrate. ACS Applied Materials & Interfaces, 2018, 10, 33049-33059.	8.0	58
160	A Bifunctional Aggregationâ€Induced Emission Luminogen for Monitoring and Killing of Multidrugâ€Resistant Bacteria. Advanced Functional Materials, 2018, 28, 1804632.	14.9	105
161	Ag⁺â€Gated Surface Chemistry of Gold Nanoparticles and Colorimetric Detection of Acetylcholinesterase. Small, 2018, 14, e1801680.	10.0	47
162	D-alanyl-D-alanine-Modified Gold Nanoparticles Form a Broad-Spectrum Sensor for Bacteria. Theranostics, 2018, 8, 1449-1457.	10.0	34

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163	Fe-T₁ Sensor Based on Coordination Chemistry for Sensitive and Versatile Bioanalysis. Analytical Chemistry, 2018, 90, 9148-9155.	6.5	22
164	Nanocatalyst Complex Can Dephosphorylate Key Proteins in MAPK Pathway for Cancer Therapy. Advanced Healthcare Materials, 2018, 7, e1800533.	7.6	3
165	A Self-Contained Chemiluminescent Lateral Flow Assay for Point-of-Care Testing. Analytical Chemistry, 2018, 90, 9132-9137.	6.5	73
166	Aminosaccharideâ€“gold nanoparticle assemblies as narrow-spectrum antibiotics against methicillin-resistant Staphylococcus aureus. Nano Research, 2018, 11, 6237-6243.	10.4	20
167	An on-chip valve-assisted microfluidic chip for quantitative and multiplexed detection of biomarkers. Analytical Methods, 2018, 10, 2470-2480.	2.7	13
168	Indole Derivative-Capped Gold Nanoparticles as an Effective Bactericide in Vivo. ACS Applied Materials & Interfaces, 2018, 10, 29398-29406.	8.0	78
169	Peptide-Mediated Controllable Cross-Linking of Gold Nanoparticles for Immunoassays with Tunable Detection Range. Analytical Chemistry, 2018, 90, 8234-8240.	6.5	35
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