Fang Pu

List of Publications by Year
in descending order

71 papers	4,685 citations	109264 35 h-index	95218 68 g-index
75 all docs	75 docs citations	75 times ranked	6322 citing authors

#	Article	IF	Citations
1	Copper(II)â€“Graphitic Carbon Nitride Triggered Synergy: Improved ROS Generation and Reduced Glutathione Levels for Enhanced Photodynamic Therapy. Angewandte Chemie - International Edition, 2016, 55, 11467-11471.	7.2	396
2	Nearâ€Infrared Lightâ€Triggered, Targeted Drug Delivery to Cancer Cells by Aptamer Gated Nanovehicles. Advanced Materials, 2012, 24, 2890-2895.	11.1	388
3	Polyvalent Nucleic Acid/Mesoporous Silica Nanoparticle Conjugates: Dual Stimuliâ€Responsive Vehicles for Intracellular Drug Delivery. Angewandte Chemie - International Edition, 2011, 50, 882-886.	7.2	305
4	Ag Nanoparticle-decorated graphene quantum dots for label-free, rapid and sensitive detection of Ag+ and biothiols. Chemical Communications, 2013, 49, 1079.	2.2	227
5	Silver nanoprobe for sensitive and selective colorimetric detection of dopaminevia robust Agâ€“catechol interaction. Chemical Communications, 2011, 47, 1181-1183.	2.2	209
6	Modulating DNA-templated silver nanoclusters for fluorescence turn-on detection of thiol compounds. Chemical Communications, 2011, 47, 3487.	2.2	189
7	Stimuli-responsive controlled-release system using quadruplex DNA-capped silica nanocontainers. Nucleic Acids Research, 2011, 39, 1638-1644.	6.5	186
8	Nucleobases, nucleosides, and nucleotides: versatile biomolecules for generating functional nanomaterials. Chemical Society Reviews, 2018, 47, 1285-1306.	18.7	159
9	DNA/Ligand/Ion-Based Ensemble for Fluorescence Turn on Detection of Cysteine and Histidine with Tunable Dynamic Range. Analytical Chemistry, 2010, 82, 8211-8216.	3.2	139
10	Tumor Microenvironment Activated Photothermal Strategy for Precisely Controlled Ablation of Solid Tumors upon NIR Irradiation. Advanced Functional Materials, 2015, 25, 1574-1580.	7.8	129
11	Combination of Graphene Oxide and Thiolâ€Activated DNA Metallization for Sensitive Fluorescence Turnâ€On Detection of Cysteine and Their Use for Logic Gate Operations. Advanced Functional Materials, 2011, 21, 4565-4572.	7.8	127
12	Multiconfigurable Logic Gates Based on Fluorescence Switching in Adaptive Coordination Polymer Nanoparticles. Advanced Materials, 2014, 26, 1111-1117.	11.1	115
13	Hyaluronic Acid-Templated Ag Nanoparticles/Graphene Oxide Composites for Synergistic Therapy of Bacteria Infection. ACS Applied Materials & Interfaces, 2017, 9, 19717-19724.	4.0	110
14	Copper(II)â€“Graphitic Carbon Nitride Triggered Synergy: Improved ROS Generation and Reduced Glutathione Levels for Enhanced Photodynamic Therapy. Angewandte Chemie, 2016, 128, 11639-11643.	1.6	95
15	Nanozyme as Artificial Receptor with Multiple Readouts for Pattern Recognition. Analytical Chemistry, 2018, 90, 11775-11779.	3.2	92
16	Nucleic Acids and Smart Materials: Advanced Building Blocks for Logic Systems. Advanced Materials, 2014, 26, 5742-5757.	11.1	89
17	Miniaturization of Metalâ€“Biomolecule Frameworks Based on Stereoselective Selfâ€Assembly and Potential Application in Water Treatment and as Antibacterial Agents. Chemistry - A European Journal, 2012, 18, 4322-4328.	1.7	86
18	Siteâ€Specific DNAâ€Programmed Growth of Fluorescent and Functional Silver Nanoclusters. Chemistry - A European Journal, 2011, 17, 3774-3780.	1.7	85

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19	A GOâ€“Se nanocomposite as an antioxidant nanozyme for cytoprotection. Chemical Communications, 2017, 53, 3082-3085.	2.2	84
20	Constructing metalâ€“organic framework nanodots as bio-inspired artificial superoxide dismutase for alleviating endotoxemia. Materials Horizons, 2019, 6, 1682-1687.	6.4	84
21	Depriving Bacterial Adhesionâ€Related Molecule to Inhibit Biofilm Formation Using CeO₂â€Decorated Metalâ€Organic Frameworks. Small, 2019, 15, e1902522.	5.2	74
22	DNA-based logic gates operating as a biomolecular security device. Chemical Communications, 2011, 47, 6024.	2.2	68
23	Versatile Logic Devices Based on Programmable DNAâ€Regulated Silverâ€Nanocluster Signal Transducers. Chemistry - A European Journal, 2012, 18, 6663-6669.	1.7	67
24	DNAâ€Templated Silver Nanoparticles as a Platform for Highly Sensitive and Selective Fluorescence Turnâ€On Detection of Dopamine. Small, 2011, 7, 1557-1561.	5.2	65
25	Artificial Lightâ€Harvesting Material Based on Selfâ€Assembly of Coordination Polymer Nanoparticles. Advanced Functional Materials, 2014, 24, 4549-4555.	7.8	57
26	Gâ€Quartetâ€Based Nanostructure for Mimicking Lightâ€Harvesting Antenna. Angewandte Chemie - International Edition, 2015, 54, 892-896.	7.2	55
27	Nucleic-acid-programmed Ag-nanoclusters as a generic platform for visualization of latent fingerprints and exogenous substances. Chemical Communications, 2016, 52, 557-560.	2.2	54
28	Universal Platform for Sensitive and Label-Free Nuclease Assay Based on Conjugated Polymer and DNA/Intercalating Dye Complex. Langmuir, 2010, 26, 4540-4545.	1.6	53
29	Pointâ€ofâ€Care Identification of Bacteria Using Proteinâ€Encapsulated Gold Nanoclusters. Advanced Healthcare Materials, 2018, 7, e1701370.	3.9	51
30	Artificial tongue based on metalâ€“biomolecule coordination polymer nanoparticles. Chemical Communications, 2016, 52, 3410-3413.	2.2	49
31	Hydrogel-based artificial enzyme for combating bacteria and accelerating wound healing. Nano Research, 2020, 13, 496-502.	5.8	43
32	Logic gates and pH sensing devices based on a supramolecular telomere DNA/conjugated polymer system. Molecular BioSystems, 2010, 6, 1928.	2.9	40
33	DNA-templated ensemble for label-free and real-time fluorescence turn-on detection of enzymatic/oxidative cleavage of single-stranded DNA. Chemical Communications, 2011, 47, 8133.	2.2	40
34	Nucleic acidâ€“mesoporous silica nanoparticle conjugates for keypad lock security operation. Chemical Communications, 2013, 49, 2305.	2.2	37
35	Hierarchical magnetic coreâ€“shell nanoarchitectures: non-linker reagent synthetic route and applications in a biomolecule separation system. Journal of Materials Chemistry, 2012, 22, 2935-2942.	6.7	33
36	â€œPlug and Playâ€•Logic Gates Based on Fluorescence Switching Regulated by Self-Assembly of Nucleotide and Lanthanide Ions. ACS Applied Materials & Interfaces, 2014, 6, 9557-9562.	4.0	33

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37	Coupling a DNAâ€“ligand ensemble with Ag cluster formation for the label-free and ratiometric detection of intracellular biothiols. Chemical Communications, 2016, 52, 5167-5170.	2.2	33
38	Nucleic acid-driven aggregation-induced emission of Au nanoclusters for visualizing telomerase activity in living cells and in vivo. Materials Horizons, 2021, 8, 1769-1775.	6.4	33
39	Aggregation-induced emission-active Au nanoclusters for ratiometric sensing and bioimaging of highly reactive oxygen species. Chemical Communications, 2019, 55, 15097-15100.	2.2	31
40	A CuS-based chemical tongue chip for pattern recognition of proteins and antibiotic-resistant bacteria. Chemical Communications, 2015, 51, 2675-2678.	2.2	30
41	Multivalued Logic Gates Based on DNA. Chemistry - A European Journal, 2011, 17, 9590-9594.	1.7	29
42	DNAâ€Regulated Upconverting Nanoparticle Signal Transducers for Multivalued Logic Operation. Small, 2014, 10, 1500-1503.	5.2	28
43	Sensitive, selective and label-free protein detection using a smart polymeric transducer and aptamer/ligand system. Chemical Communications, 2009, , 7357.	2.2	26
44	A DNAâ€Based Labelâ€Free Artificial Tongue for Pattern Recognition of Metal Ions. Chemistry - A European Journal, 2017, 23, 9258-9261.	1.7	25
45	Nucleotide-Based Assemblies for Green Synthesis of Silver Nanoparticles with Controlled Localized Surface Plasmon Resonances and Their Applications. ACS Applied Materials & Interfaces, 2018, 10, 9929-9937.	4.0	24
46	Biomolecule-templated photochemical synthesis of silver nanoparticles: Multiple readouts of localized surface plasmon resonance for pattern recognition. Nano Research, 2018, 11, 3213-3221.	5.8	24
47	Easy access to selective binding and recyclable separation of histidine-tagged proteins using Ni2+-decorated superparamagnetic nanoparticles. Nano Research, 2012, 5, 450-459.	5.8	23
48	Identification of polyoxometalates as inhibitors of basic fibroblast growth factor. Molecular BioSystems, 2013, 9, 113-120.	2.9	23
49	Recent progress in sensor arrays using nucleic acid as sensing elements. Coordination Chemistry Reviews, 2022, 456, 214379.	9.5	17
50	Artificial Enzymeâ€based Logic Operations to Mimic an Intracellular Enzymeâ€participated Redox Balance System. Chemistry - A European Journal, 2017, 23, 9156-9161.	1.7	16
51	An intelligent 1:2 demultiplexer as an intracellular theranostic device based on DNA/Ag cluster-gated nanovehicles. Nanotechnology, 2018, 29, 065501.	1.3	14
52	Fe(â…¢)-Oxidized Graphitic Carbon Nitride Nanosheets as a Sensitive Fluorescent Sensor for Detection and Imaging of Fluoride Ions. Sensors and Actuators B: Chemical, 2020, 321, 128630.	4.0	14
53	Confinement of Reactive Oxygen Species in an Artificialâ€Enzymeâ€Based Hollow Structure To Eliminate Adverse Effects of Photocatalysis on UV Filters. Chemistry - A European Journal, 2017, 23, 13518-13524.	1.7	13
54	Embedding magnetic nanoparticles into coordination polymers to mimic zinc ion transporters for targeted tumor therapy. Chemical Communications, 2016, 52, 12598-12601.	2.2	11

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55	A DNAzyme-augmented bioorthogonal catalysis system for synergistic cancer therapy. Chemical Science, 2022, 13, 7829-7836.	3.7	11
56	Fingerprint-like pattern for recognition of thiols. Sensors and Actuators B: Chemical, 2018, 260, 183-188.	4.0	10
57	Engineered Exosomes-Based Photothermal Therapy with MRI/CT Imaging Guidance Enhances Anticancer Efficacy through Deep Tumor Nucleus Penetration. Pharmaceutics, 2021, 13, 1593.	2.0	10
58	MicroRNAâ€Triggered Nanozymes Cascade Reaction for Tumorâ€Specific Chemodynamic Therapy. Chemistry - A European Journal, 2021, 27, 18201-18207.	1.7	10
59	DNA-MnO2 nanosheets as washing- and label-free platform for array-based differentiation of cell types. Analytica Chimica Acta, 2019, 1056, 1-6.	2.6	9
60	Regulation of light-harvesting antenna based on silver ion-enhanced emission of dye-doped coordination polymer nanoparticles. Journal of Colloid and Interface Science, 2020, 578, 254-261.	5.0	8
61	Direct visualization of MicroRNA in vivo via an intelligent MnO2-carried catalytic DNA machine. Sensors and Actuators B: Chemical, 2019, 283, 124-129.	4.0	7
62	pH-responsive DNA assembly regulated through A-motif. Soft Matter, 2011, 7, 10574.	1.2	6
63	Lighting up silica nanotubes transcribed from the submicron structure of a metalâ€“peptide hybrid. Nanotechnology, 2013, 24, 375603.	1.3	6
64	A DNA/metal cluster-based nano-lantern as an intelligent theranostic device. Chemical Communications, 2020, 56, 5295-5298.	2.2	6
65	Versatile Fluorescent Conjugated Polyelectrolyteâ€Capped Mesoporous Silica Nanoparticles for Controlled Drug Delivery and Imaging. ChemPlusChem, 2013, 78, 656-662.	1.3	5
66	DNA-fueled molecular machine for label-free and non-enzymatic ultrasensitive detection of telomerase activity. Analyst, The, 2016, 141, 4855-4858.	1.7	4
67	Conformational switch-mediated accelerated release of drug from cytosine-rich nucleic acid-capped magnetic nanovehicles. Chemical Communications, 2016, 52, 3364-3367.	2.2	4
68	Recent advances in the construction of nanozyme-based logic gates. Biophysics Reports, 2020, 6, 245-255.	0.2	4
69	Primer-Modified G-Quadruplex-Au Nanoparticles for Colorimetric Assay of Human Telomerase Activity and Initial Screening of Telomerase Inhibitors. Methods in Molecular Biology, 2019, 2035, 347-356.	0.4	2
70	Modular AND Gateâ€Controlled Delivery Platform for Tumor Microenvironment Specific Activation of Protein Activity. Chemistry - A European Journal, 2020, 26, 7573-7577.	1.7	1
71	Alternative DNA Structures, Switches and Nanomachines. , 2015, , 329-490.		0