

Yaqing Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

1,865
citations

29
h-index

40
g-index

82
ext. papers

2,189
ext. citations

7.3
avg, IF

5.15
L-index

#	Paper	IF	Citations
76	A smartphone integrated ratiometric fluorescent sensor for point-of-care testing of fluoride ions.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	1
75	A reliable fluorescent and colorimetric dual-readout assay for Ag tracing.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 268, 120696	4.4	
74	A conductive polyacrylamide hydrogel enabled by dispersion-enhanced MXene@chitosan assembly for highly stretchable and sensitive wearable skin. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 8862-8870	7.3	4
73	Bacteria-Triggered Multifunctional Hydrogel for Localized Chemodynamic and Low-Temperature Photothermal Sterilization. <i>Small</i> , 2021 , e2103303	11	10
72	Integrated SERS Platform for Reliable Detection and Photothermal Elimination of Bacteria in Whole Blood Samples. <i>Analytical Chemistry</i> , 2021 , 93, 1569-1577	7.8	21
71	RhB/UiO-66-N3 MOF-based ratiometric fluorescent detection and intracellular imaging of hydrogen sulfide. <i>Sensors and Actuators B: Chemical</i> , 2021 , 331, 129448	8.5	10
70	Ratiometric fluorescence nanoplatfrom integrated with smartphone as readout device for sensing trace water. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 4267-4275	4.4	1
69	A cerium-based fluorescent nanosensor for highly specific detection of glutathione over cysteine and homocysteine. <i>Analyst, The</i> , 2021 , 146, 283-288	5	3
68	Universal Nanoplatfrom for Ultrasensitive Ratiometric Fluorescence Detection and Highly Efficient Photothermal Inactivation of Pathogenic Bacteria.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 6361-6370	4.1	1
67	Chemical-tongue sensor array for determination of multiple metal ions based on trichromatic lanthanide-based nanomaterials. <i>Sensors and Actuators B: Chemical</i> , 2021 , 343, 130107	8.5	6
66	A lanthanide-based ratiometric fluorescent biosensor for the enzyme-free detection of organophosphorus pesticides. <i>Analytical Methods</i> , 2021 , 13, 2005-2010	3.2	3
65	The oasis regional small and medium lake water transparency monitoring research and impact factor analysis based on field data combined with high resolution GF-1 satellite data. <i>Journal of Freshwater Ecology</i> , 2021 , 36, 77-96	1.4	1
64	Smartphone-based enzyme-free fluorescence sensing of organophosphate DDVP. <i>Mikrochimica Acta</i> , 2020 , 187, 419	5.8	6
63	A multifunctional plasmonic chip for bacteria capture, imaging, detection, and in situ elimination for wound therapy. <i>Nanoscale</i> , 2020 , 12, 6489-6497	7.7	13
62	Sugar-metabolism-triggered pathogenic bacteria identification based on pH-sensitive fluorescent carbon dots. <i>Sensors and Actuators B: Chemical</i> , 2020 , 316, 128063	8.5	4
61	A smartphone-integrated paper sensing system for fluorescent and colorimetric dual-channel detection of foodborne pathogenic bacteria. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 611-620	4.4	20
60	A smartphone-integrated ratiometric fluorescence sensing platform for visual and quantitative point-of-care testing of tetracycline. <i>Biosensors and Bioelectronics</i> , 2020 , 148, 111791	11.8	60

59	Multifunctional nanoplatform for dual-mode sensitive detection of pathogenic bacteria and the real-time bacteria inactivation. <i>Biosensors and Bioelectronics</i> , 2020 , 173, 112789	11.8	15
58	A ratiometric fluorescent nanoprobe consisting of ssDNA-templated silver nanoclusters for detection of histidine/cysteine, and the construction of combinatorial logic circuits. <i>Mikrochimica Acta</i> , 2019 , 186, 648	5.8	9
57	Tumor-Microenvironment-Induced All-in-One Nanoplatform for Multimodal Imaging-Guided Chemical and Photothermal Therapy of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25043-25053	9.5	33
56	A hierarchical cobalt/carbon nanotube hybrid nanocomplex-based ratiometric fluorescent nanosensor for ultrasensitive detection of hydrogen peroxide and glucose in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 1517-1524	4.4	13
55	A MnO nanosheet-based ratiometric fluorescent nanosensor with single excitation for rapid and specific detection of ascorbic acid. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4093-4101	4.4	6
54	A single fluorophore ratiometric nanosensor based on dual-emission DNA-templated silver nanoclusters for ultrasensitive and selective Pb ²⁺ detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 712-718	8.5	40
53	A Asp/Ce nanotube-based colorimetric nanosensor for HO-free and enzyme-free detection of cysteine. <i>Talanta</i> , 2019 , 196, 556-562	6.2	9
52	A target-induced logically reversible logic gate for intelligent and rapid detection of pathogenic bacterial genes. <i>Chemical Communications</i> , 2018 , 54, 3110-3113	5.8	16
51	Target-induced DNA machine amplification strategy for high sensitive and selective detection of biotoxin. <i>Sensors and Actuators B: Chemical</i> , 2018 , 262, 619-624	8.5	9
50	Multiple advanced logic gates made of DNA-Ag nanocluster and the application for intelligent detection of pathogenic bacterial genes. <i>Chemical Science</i> , 2018 , 9, 1774-1781	9.4	49
49	An Ultrasensitive Fluorescence Sensor with Simple Operation for Cu Specific Detection in Drinking Water. <i>ACS Omega</i> , 2018 , 3, 3045-3050	3.9	22
48	Engineering a universal and label-free evaluation method for mycotoxins detection based on strand displacement amplification and G-quadruplex signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 573-579	8.5	15
47	A ratiometric fluorescent biosensor based on cascaded amplification strategy for ultrasensitive detection of kanamycin. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 1495-1500	8.5	36
46	A reusable ratiometric fluorescent biosensor with simple operation for cysteine detection in biological sample. <i>Sensors and Actuators B: Chemical</i> , 2018 , 277, 415-422	8.5	7
45	Nanozyme-based bio-barcode assay for high sensitive and logic-controlled specific detection of multiple DNAs. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 471-477	11.8	38
44	Implementation of cascade logic gates and majority logic gate on a simple and universal molecular platform. <i>Scientific Reports</i> , 2017 , 7, 14014	4.9	10
43	Cascaded multiple amplification strategy for ultrasensitive detection of HIV/HCV virus DNA. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 116-121	11.8	33
42	Integration of DNA and graphene oxide for the construction of various advanced logic circuits. <i>Nanoscale</i> , 2016 , 8, 17524-17531	7.7	21

41	Effective construction of a AuNPs/DNA system for the implementation of various advanced logic gates. <i>RSC Advances</i> , 2016 , 6, 106641-106647	3.7	10
40	Label-free and enzyme-free platform for the construction of advanced DNA logic devices based on the assembly of graphene oxide and DNA-templated AgNCs. <i>Nanoscale</i> , 2016 , 8, 3834-40	7.7	70
39	Supramolecular Chirality of the Two-Component Supramolecular Copolymer Gels: Who Determines the Handedness?. <i>Langmuir</i> , 2016 , 32, 322-8	4	32
38	Colorimetric Strategy for Highly Sensitive and Selective Simultaneous Detection of Histidine and Cysteine Based on G-Quadruplex-Cu(II) Metalloenzyme. <i>Analytical Chemistry</i> , 2016 , 88, 2899-903	7.8	87
37	DNA-based visual majority logic gate with one-vote veto function. <i>Chemical Science</i> , 2015 , 6, 1973-1978	9.4	59
36	Implementation of Arithmetic Functions on a Simple and Universal Molecular Beacon Platform. <i>Advanced Science</i> , 2015 , 2, 1500054	13.6	31
35	An enzyme-free and DNA-based Feynman gate for logically reversible operation. <i>Chemical Communications</i> , 2015 , 51, 10284-6	5.8	30
34	DNA-based advanced logic circuits for nonarithmetic information processing. <i>NPG Asia Materials</i> , 2015 , 7, e166-e166	10.3	30
33	Enzyme-free and DNA-based multiplexer and demultiplexer. <i>Chemical Communications</i> , 2015 , 51, 15940-3	3.8	29
32	Highly sensitive and specific colorimetric detection of cancer cells via dual-aptamer target binding strategy. <i>Biosensors and Bioelectronics</i> , 2015 , 73, 1-6	11.8	83
31	A resettable and reprogrammable DNA-based security system to identify multiple users with hierarchy. <i>ACS Nano</i> , 2014 , 8, 2796-803	16.7	48
30	Application of DNA machine in amplified DNA detection. <i>Chemical Communications</i> , 2014 , 50, 704-6	5.8	48
29	New Design for Detection Cell Applied in Magnetic Particle-Based Electrochemiluminescence Assays. <i>Electroanalysis</i> , 2014 , 26, 2563-2566	3	
28	Integration of graphene oxide and DNA as a universal platform for multiple arithmetic logic units. <i>Chemical Communications</i> , 2014 , 50, 14390-3	5.8	38
27	Self-assembled supramolecular nanotube yarn. <i>Advanced Materials</i> , 2013 , 25, 5875-9	24	52
26	Copper(II) ion selective and strong acid-tolerable hydrogels formed by an L-histidine ester terminated bolaamphiphile: from single molecular thick nanofibers to single-wall nanotubes. <i>Chemical Communications</i> , 2013 , 49, 4767-9	5.8	39
25	DNA-templated Ag nanoclusters as signal transducers for a label-free and resettable keypad lock. <i>Chemical Communications</i> , 2013 , 49, 3107-9	5.8	25
24	Discovered triethylamine as impurity in synthetic DNAs for and by electrochemiluminescence techniques. <i>Talanta</i> , 2013 , 116, 308-14	6.2	8

23	G-quadruplex-based ultrasensitive and selective detection of histidine and cysteine. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 563-8	11.8	58
22	Molecular Switches and Multiple Logic Gates Based on 4-(2-Pyridylazo)resorcinol. <i>Chinese Journal of Chemistry</i> , 2013 , 31, 721-725	4.9	
21	Implementation of half adder and half subtractor with a simple and universal DNA-based platform. <i>NPG Asia Materials</i> , 2013 , 5, e76-e76	10.3	49
20	Ein elektrochemischer Gleichrichter ermöglicht Transistorfunktionen. <i>Angewandte Chemie</i> , 2013 , 125, 4121-4124	3.6	4
19	Transistor functions based on electrochemical rectification. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4029-32	16.4	18
18	Biocompatible conductive architecture with surface-confined probe for non-invasive electrochemical cytosensing. <i>Electrochemistry Communications</i> , 2012 , 18, 81-84	5.1	9
17	Supramolecular polymer hydrogels from bolaamphiphilic L-histidine and benzene dicarboxylic acids: thixotropy and significant enhancement of Eu(III) fluorescence. <i>Chemistry - A European Journal</i> , 2012 , 18, 14650-9	4.8	54
16	A DNA-based and electrochemically transduced keypad lock system with reset function. <i>Chemistry - A European Journal</i> , 2012 , 18, 14939-42	4.8	30
15	Electrochemical current rectifier as a highly sensitive and selective cytosensor for cancer cell detection. <i>Chemical Communications</i> , 2012 , 48, 2594-6	5.8	23
14	An aptamer-based keypad lock system. <i>Chemical Communications</i> , 2012 , 48, 802-4	5.8	47
13	Synthesis of phospholipid monolayer membrane functionalized graphene for drug delivery. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20634		51
12	Rectification behaviors based on redox-active molecular systems. <i>Electrochemistry Communications</i> , 2011 , 13, 906-908	5.1	3
11	Redox mediated electron transfer behaviors at azobenzene functionalized electrode. <i>Chemical Communications</i> , 2011 , 47, 8232-4	5.8	8
10	From redox gating to quantized charging. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8187-93	16.4	61
9	Rectified tunneling current response of bio-functionalized metal-bridge-metal junctions. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1173-8	11.8	13
8	An Electrochemically Transduced XOR Logic Gate at the Molecular Level. <i>Angewandte Chemie</i> , 2010 , 122, 2649-2652	3.6	19
7	An electrochemically transduced XOR logic gate at the molecular level. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2595-8	16.4	51
6	Electrochemical current rectification at bio-functionalized electrodes. <i>Bioelectrochemistry</i> , 2010 , 77, 89-93	5.6	21

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| 5 | Molecular rectification in metal-bridge molecule-metal junctions. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010 , 207, 891-897 | 1.6 | 5 |
| 4 | Scanned probe oxidation on an octadecyl-terminated silicon (111) surface with an atomic force microscope: kinetic investigations in line patterning. <i>Nanotechnology</i> , 2006 , 17, 330-337 | 3-4 | 32 |
| 3 | Direct patterning of negative nanostructures on self-assembled monolayers of 16-mercaptohexadecanoic acid on Au(111) substrate via dip-pen nanolithography. <i>Nanotechnology</i> , 2006 , 17, 5378-5386 | 3-4 | 13 |
| 2 | Kinetics of atomic force microscope-based scanned probe oxidation on an octadecylated silicon(111) surface. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 10365-73 | 3-4 | 21 |
| 1 | In situ synthesis of Pt nanoparticles in hyperbranched thin film for electrocatalytic reduction of dioxygen. <i>Electrochimica Acta</i> , 2005 , 51, 605-610 | 6-7 | 5 |