

Libing Zhang

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.

38
papers

2,792
citations

26
h-index

38
g-index

38
ext. papers

3,063
ext. citations

10.6
avg, IF

5.46
L-index

#	Paper	IF	Citations
38	DNA-functionalized metal-organic framework ratiometric nanoprobe for MicroRNA detection and imaging in live cells. <i>Sensors and Actuators B: Chemical</i> , 2022 , 361, 131676	8.5	0
37	Near-Infrared Small Molecule as a Specific Fluorescent Probe for Ultrasensitive Recognition of Antiparallel Human Telomere G-Quadruplexes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32743-32752	9.5	1
36	Ultrasensitive and rapid quantification of rare tumorigenic stem cells in hPSC-derived cardiomyocyte populations. <i>Science Advances</i> , 2020 , 6, eaay7629	14.3	14
35	Regioselective magnetization in semiconducting nanorods. <i>Nature Nanotechnology</i> , 2020 , 15, 192-197	28.7	25
34	Potential-Responsive Surfaces for Manipulation of Cell Adhesion, Release, and Differentiation. <i>Angewandte Chemie</i> , 2019 , 131, 14661-14665	3.6	2
33	Potential-Responsive Surfaces for Manipulation of Cell Adhesion, Release, and Differentiation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14519-14523	16.4	23
32	Peptide-Functionalized Nanostructured Microarchitectures Enable Rapid Mechanotransductive Differentiation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41030-41037	9.5	5
31	Curvature-Mediated Surface Accessibility Enables Ultrasensitive Electrochemical Human Methyltransferase Analysis. <i>ACS Sensors</i> , 2018 , 3, 1765-1772	9.2	8
30	Three-Dimensional Nanostructured Architectures Enable Efficient Neural Differentiation of Mesenchymal Stem Cells via Mechanotransduction. <i>Nano Letters</i> , 2018 , 18, 7188-7193	11.5	44
29	Programmable Metal/Semiconductor Nanostructures for mRNA-Modulated Molecular Delivery. <i>Nano Letters</i> , 2018 , 18, 6222-6228	11.5	26
28	Multifunctional quantum dot DNA hydrogels. <i>Nature Communications</i> , 2017 , 8, 381	17.4	80
27	G-quadruplex enhanced fluorescence of DNA-silver nanoclusters and their application in bioimaging. <i>Nanoscale</i> , 2015 , 7, 13224-9	7.7	50
26	Engineering DNA Three-Way Junction with Multifunctional Moieties: Sensing Platform for Bioanalysis. <i>Analytical Chemistry</i> , 2015 , 87, 11295-300	7.8	38
25	G-quadruplex DNA/protoporphyrin IX-based synergistic platform for targeted photodynamic cancer therapy. <i>Talanta</i> , 2015 , 134, 298-304	6.2	7
24	How to split a G-quadruplex for DNA detection: new insight into the formation of DNA split G-quadruplex. <i>Chemical Science</i> , 2015 , 6, 4822-4827	9.4	48
23	Metal nanoclusters: New fluorescent probes for sensors and bioimaging. <i>Nano Today</i> , 2014 , 9, 132-157	17.9	700
22	Aptamer-based sensing platform using three-way DNA junction-driven strand displacement and its application in DNA logic circuit. <i>Analytical Chemistry</i> , 2014 , 86, 312-6	7.8	55

21	Portable, universal, and visual ion sensing platform based on the light emitting diode-based self-referencing-ion selective field-effect transistor. <i>Analytical Chemistry</i> , 2014 , 86, 1380-4	7.8	11
20	Molecular aptamer beacon tuned DNA strand displacement to transform small molecules into DNA logic outputs. <i>Chemical Communications</i> , 2014 , 50, 3321-3	5.8	37
19	A new approach to light up DNA/Ag nanocluster-based beacons for bioanalysis. <i>Chemical Science</i> , 2013 , 4, 4004	9.4	102
18	A nanochannel based on-line universal logic ion sensing platform. <i>Nanoscale</i> , 2013 , 5, 8221-6	7.7	6
17	Paper-based solid-state electrochemiluminescence sensor using poly(sodium 4-styrenesulfonate) functionalized graphene/nafion composite film. <i>Analytica Chimica Acta</i> , 2013 , 763, 20-7	6.6	46
16	Photoinduced electron transfer of DNA/Ag nanoclusters modulated by G-quadruplex/hemin complex for the construction of versatile biosensors. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2403-6	16.4	228
15	Enzyme-free unlabeled DNA logic circuits based on toehold-mediated strand displacement and split G-quadruplex enhanced fluorescence. <i>Advanced Materials</i> , 2013 , 25, 2440-4	24	129
14	G-quadruplex-based fluorescent assay of S1 nuclease activity and K ⁺ . <i>Analytical Chemistry</i> , 2013 , 85, 2431-5	7.5	46
13	A visible multi-digit DNA keypad lock based on split G-quadruplex DNAzyme and silver microspheres. <i>Chemical Communications</i> , 2013 , 49, 5459-61	5.8	40
12	Label-free G-quadruplex-specific fluorescent probe for sensitive detection of copper(II) ion. <i>Biosensors and Bioelectronics</i> , 2013 , 39, 268-73	11.8	59
11	Four-way junction-driven DNA strand displacement and its application in building majority logic circuit. <i>ACS Nano</i> , 2013 , 7, 10211-7	16.7	88
10	A label-free, G-quadruplex DNAzyme-based fluorescent probe for signal-amplified DNA detection and turn-on assay of endonuclease. <i>Biosensors and Bioelectronics</i> , 2012 , 34, 100-5	11.8	63
9	Measurement of the base number of DNA using a special calliper made of a split G-quadruplex. <i>Chemical Communications</i> , 2012 , 48, 11990-2	5.8	26
8	Pd nanowires as new biosensing materials for magnified fluorescent detection of nucleic acid. <i>Analytical Chemistry</i> , 2012 , 84, 3568-73	7.8	43
7	Ion-tuned DNA/Ag fluorescent nanoclusters as versatile logic device. <i>ACS Nano</i> , 2011 , 5, 6334-8	16.7	167
6	Bifunctional colorimetric oligonucleotide probe based on a G-quadruplex DNAzyme molecular beacon. <i>Analytical Chemistry</i> , 2011 , 83, 8871-6	7.8	90
5	G-quadruplex DNAzyme based molecular catalytic beacon for label-free colorimetric logic gates. <i>Biomaterials</i> , 2011 , 32, 7318-24	15.6	66
4	Label-free DNAzyme-based fluorescing molecular switch for sensitive and selective detection of lead ions. <i>Chemical Communications</i> , 2011 , 47, 3099-101	5.8	67

3	Carbon nanotube-DNA hybrid fluorescent sensor for sensitive and selective detection of mercury(II) ion. <i>Chemical Communications</i> , 2010 , 46, 1476-8	5.8	258
2	A carbon nanotubes based ATP apta-sensing platform and its application in cellular assay. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1897-901	11.8	69
1	Solid-state electrochemiluminescence sensor based on the Nafion/poly(sodium 4-styrene sulfonate) composite film. <i>Talanta</i> , 2009 , 79, 454-9	6.2	25