Bin Yang

List of Publications by Year
in descending order

14	437	1163117 8	1058476 14
papers	citations	h-index	g-index

14	14	14	678
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Ligation-Triggered DNAzyme Cascade for Amplified Fluorescence Detection of Biological Small Molecules with Zero-Background Signal. Journal of the American Chemical Society, 2011, 133, 11686-11691.	13.7	220
2	Target-Triggered Cyclic Assembly of DNAâ€“Protein Hybrid Nanowires for Dual-Amplified Fluorescence Anisotropy Assay of Small Molecules. Analytical Chemistry, 2013, 85, 11518-11523.	6.5	73
3	Enzymatic cleavage and mass amplification strategy for small molecule detection using aptamer-based fluorescence polarization biosensor. Analytica Chimica Acta, 2015, 879, 91-96.	5.4	29
4	Cooperative Toehold: A Mechanism To Activate DNA Strand Displacement and Construct Biosensors. Analytical Chemistry, 2018, 90, 9751-9760.	6.5	25
5	Intelligent layered nanoflare: â€œlab-on-a-nanoparticleâ€•for multiple DNA logic gate operations and efficient intracellular delivery. Nanoscale, 2014, 6, 8990-8996.	5.6	24
6	Fluorosurfactant-capped gold nanoparticles-based label-free colorimetric assay for Au3+ with tunable dynamic range via a redox strategy. Biosensors and Bioelectronics, 2013, 48, 1-5.	10.1	19
7	A Thirdâ€Generation Hydrogen Peroxide Biosensor Based on Horseradish Peroxidase Immobilized in Carbon Nanotubes/ SBAâ€15 Film. Electroanalysis, 2011, 23, 2415-2420.	2.9	13
8	ATP-responsive near-infrared fluorescent nanoparticles for synergistic chemotherapy and starvation therapy. Nanoscale, 2022, 14, 3808-3817.	5.6	11
9	A green photocatalytic-biosensor for colorimetric detection of pesticide (carbaryl) based on inhibition of acetylcholinesterase. Talanta, 2022, 246, 123525.	5.5	8
10	Abundant cross reactivity in DNA circuits: An efficient and universal strategy to develop sensor arrays. Sensors and Actuators B: Chemical, 2019, 301, 127066.	7.8	4
11	Transient toehold: An interesting transient molecular event for controlled DNA displacement reactions and assay of progesterone with aptamer probe. Sensors and Actuators B: Chemical, 2022, 367, 132077.	7.8	4
12	Cleavable DNA-protein hybrid molecular beacon: A novel efficient signal translator for sensitive fluorescence anisotropy bioassay. Talanta, 2016, 147, 276-281.	5.5	3
13	Allosteric DNA molecular beacons: Using a novel mechanism to develop universal biosensor arrays to fully discriminate DNA/RNA analogues. Sensors and Actuators B: Chemical, 2020, 311, 127908.	7.8	2
14	Junction toehold: A novel approach for flexible DNA strand displacement and bioassay. Sensors and Actuators B: Chemical, 2021, 347, 130645.	7.8	2