

# Bin Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7384270/publications.pdf>

Version: 2024-02-01

14  
papers

437  
citations

1162889

8  
h-index

1058333

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14  
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14  
docs citations

14  
times ranked

678  
citing authors

#	ARTICLE	IF	CITATIONS
1	ATP-responsive near-infrared fluorescent nanoparticles for synergistic chemotherapy and starvation therapy. <i>Nanoscale</i> , 2022, 14, 3808-3817.	2.8	11
2	A green photocatalytic-biosensor for colorimetric detection of pesticide (carbaryl) based on inhibition of acetylcholinesterase. <i>Talanta</i> , 2022, 246, 123525.	2.9	8
3	Transient toehold: An interesting transient molecular event for controlled DNA displacement reactions and assay of progesterone with aptamer probe. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132077.	4.0	4
4	Junction toehold: A novel approach for flexible DNA strand displacement and bioassay. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130645.	4.0	2
5	Allosteric DNA molecular beacons: Using a novel mechanism to develop universal biosensor arrays to fully discriminate DNA/RNA analogues. <i>Sensors and Actuators B: Chemical</i> , 2020, 311, 127908.	4.0	2
6	Abundant cross reactivity in DNA circuits: An efficient and universal strategy to develop sensor arrays. <i>Sensors and Actuators B: Chemical</i> , 2019, 301, 127066.	4.0	4
7	Cooperative Toehold: A Mechanism To Activate DNA Strand Displacement and Construct Biosensors. <i>Analytical Chemistry</i> , 2018, 90, 9751-9760.	3.2	25
8	Cleavable DNA-protein hybrid molecular beacon: A novel efficient signal translator for sensitive fluorescence anisotropy bioassay. <i>Talanta</i> , 2016, 147, 276-281.	2.9	3
9	Enzymatic cleavage and mass amplification strategy for small molecule detection using aptamer-based fluorescence polarization biosensor. <i>Analytica Chimica Acta</i> , 2015, 879, 91-96.	2.6	29
10	Intelligent layered nanoflare: "lab-on-a-nanoparticle" for multiple DNA logic gate operations and efficient intracellular delivery. <i>Nanoscale</i> , 2014, 6, 8990-8996.	2.8	24
11	Target-Triggered Cyclic Assembly of DNA-Protein Hybrid Nanowires for Dual-Amplified Fluorescence Anisotropy Assay of Small Molecules. <i>Analytical Chemistry</i> , 2013, 85, 11518-11523.	3.2	73
12	Fluorosurfactant-capped gold nanoparticles-based label-free colorimetric assay for Au <sup>3+</sup> with tunable dynamic range via a redox strategy. <i>Biosensors and Bioelectronics</i> , 2013, 48, 1-5.	5.3	19
13	A Ligation-Triggered DNAzyme Cascade for Amplified Fluorescence Detection of Biological Small Molecules with Zero-Background Signal. <i>Journal of the American Chemical Society</i> , 2011, 133, 11686-11691.	6.6	220
14	A Third-Generation Hydrogen Peroxide Biosensor Based on Horseradish Peroxidase Immobilized in Carbon Nanotubes/SBA-15 Film. <i>Electroanalysis</i> , 2011, 23, 2415-2420.	1.5	13