

# Xiaobo Zhang

## List of Publications by Year in descending order

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29  
papers

994  
citations

430442

18  
h-index

433756

31  
g-index

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all docs

31  
docs citations

31  
times ranked

1137  
citing authors

#	ARTICLE	IF	CITATIONS
1	A DNA-Driven Azobenzene Nanopump Fueled by Upconversion Luminescence for Controllable Intracellular Drug Release. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18207-18211.	7.2	86
2	A photo zipper locked DNA nanomachine with an internal standard for precise miRNA imaging in living cells. <i>Chemical Science</i> , 2020, 11, 6289-6296.	3.7	70
3	Photo-tearable tape close-wrapped upconversion nanocapsules for near-infrared modulated efficient siRNA delivery and therapy. <i>Biomaterials</i> , 2018, 163, 55-66.	5.7	69
4	Activating a DNA Nanomachine via Computation across Cancer Cell Membranes for Precise Therapy of Solid Tumors. <i>Journal of the American Chemical Society</i> , 2021, 143, 15233-15242.	6.6	67
5	Lab on a single microbead: an ultrasensitive detection strategy enabling microRNA analysis at the single-molecule level. <i>Chemical Science</i> , 2015, 6, 6213-6218.	3.7	66
6	Generation of hydroxyl radical-activatable ratiometric near-infrared bimodal probes for early monitoring of tumor response to therapy. <i>Nature Communications</i> , 2021, 12, 6145.	5.8	66
7	In Situ siRNA Assembly in Living Cells for Gene Therapy with MicroRNA Triggered Cascade Reactions Templated by Nucleic Acids. <i>ACS Nano</i> , 2018, 12, 10797-10806.	7.3	61
8	Colorimetric Detection of Nucleic Acids through Triplex-Hybridization Chain Reaction and DNA-Controlled Growth of Platinum Nanoparticles on Graphene Oxide. <i>Analytical Chemistry</i> , 2020, 92, 2714-2721.	3.2	61
9	A Near-Infrared Photo-Switched MicroRNA Amplifier for Precise Photodynamic Therapy of Early-Stage Cancers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21454-21459.	7.2	60
10	Boosting Luminance Energy Transfer Efficiency in Upconversion Nanoparticles with an Energy-Concentrating Zone. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12117-12122.	7.2	56
11	Rare Earth Ion Mediated Fluorescence Accumulation on a Single Microbead: An Ultrasensitive Strategy for the Detection of Protein Kinase Activity at the Single-Cell Level. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15186-15190.	7.2	43
12	Detection of T4 polynucleotide kinase activity based on cationic conjugated polymer-mediated fluorescence resonance energy transfer. <i>Biosensors and Bioelectronics</i> , 2015, 66, 316-320.	5.3	30
13	Efficient Biocatalytic System for Biosensing by Combining Metal-Organic Framework (MOF)-Based Nanozymes and G-Quadruplex (G4)-DNAzymes. <i>Analytical Chemistry</i> , 2022, 94, 7295-7302.	3.2	28
14	The beginning and the end: flanking nucleotides induce a parallel G-quadruplex topology. <i>Nucleic Acids Research</i> , 2021, 49, 9548-9559.	6.5	27
15	Highly Sensitive Biosensing Applications of a Magnetically Immobilizable Covalent G-Quadruplex-Hemin DNAzyme Catalytic System. <i>Analytical Chemistry</i> , 2022, 94, 2212-2219.	3.2	25
16	An enzyme-free signal amplification strategy for sensitive detection of microRNA via catalyzed hairpin assembly. <i>Analytical Methods</i> , 2014, 6, 9477-9482.	1.3	24
17	Activatable Photodynamic Therapy with Therapeutic Effect Prediction Based on a Self-correction Upconversion Nanoprobe. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 19313-19323.	4.0	23
18	Boosting Luminance Energy Transfer Efficiency in Upconversion Nanoparticles with an Energy-Concentrating Zone. <i>Angewandte Chemie</i> , 2019, 131, 12245-12250.	1.6	19

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19	Synthesis of <i>C</i> -Pseudonucleosides Bearing Thiazolidin-4-one as a Novel Potential Immunostimulating Agent. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 845-848.	1.3	16
20	<i>In Situ</i> Protease Secretion Visualization and Metastatic Lymph Nodes Imaging <i>via</i> a Cell Membrane-Anchored Upconversion Nanoprobe. <i>Analytical Chemistry</i> , 2021, 93, 7258-7265.	3.2	16
21	A DNA-Driven Azobenzene Nanopump Fueled by Upconversion Luminescence for Controllable Intracellular Drug Release. <i>Angewandte Chemie</i> , 2019, 131, 18375-18379.	1.6	15
22	Enzymatically driven formation of palindromic DNA-Au nanoparticles for snowball assembly and colorimetric biosensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 328-335.	4.0	14
23	A Near-Infrared Photo-Switched MicroRNA Amplifier for Precise Photodynamic Therapy of Early-Stage Cancers. <i>Angewandte Chemie</i> , 2020, 132, 21638-21643.	1.6	12
24	Self-assembled micelle responsive to quick NIR light irradiation for fast drug release and highly efficient cancer therapy. <i>Journal of Controlled Release</i> , 2021, 336, 469-479.	4.8	8
25	Effect of Distance from Catalytic Synergy Group to Iron Porphyrin Center on Activity of G-Quadruplex/Hemin DNAzyme. <i>Molecules</i> , 2020, 25, 3425.	1.7	6
26	Energy Pumping by Surface Collectors on Upconversion Nanoparticles for Extended Transfer and Efficient Self-Evaluable Photodynamic Therapy. <i>CCS Chemistry</i> , 2022, 4, 1251-1262.	4.6	6
27	All on size-coded single bead set: a modular enrich-amplify-amplify strategy for attomolar level multi-immunoassay. <i>Chemical Science</i> , 2022, 13, 3501-3506.	3.7	6
28	Transformable upconversion metal-organic frameworks for near-infrared light-programmed chemotherapy. <i>Chemical Communications</i> , 2021, 57, 7826-7829.	2.2	5
29	Single Microbead-Anchored Fluorescent Immunoassay (SMFIA): A Facile and Versatile Platform Allowing Simultaneous Detection of Multiple Antigens. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2894-2898.	1.7	4