

# Mingdi Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

1,433  
citations

471509

17  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1968  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile Synthesis of Enhanced Fluorescent Gold-Silver Bimetallic Nanocluster and Its Application for Highly Sensitive Detection of Inorganic Pyrophosphatase Activity. <i>Analytical Chemistry</i> , 2016, 88, 8886-8892.	6.5	190
2	Enzyme-controlled dissolution of MnO <sub>2</sub> nanoflakes with enzyme cascade amplification for colorimetric immunoassay. <i>Biosensors and Bioelectronics</i> , 2017, 89, 645-651.	10.1	162
3	Enhanced Colorimetric Immunoassay Accompanying with Enzyme Cascade Amplification Strategy for Ultrasensitive Detection of Low-Abundance Protein. <i>Scientific Reports</i> , 2014, 4, 3966.	3.3	137
4	Urchin-like (gold core)@(platinum shell) nanohybrids: A highly efficient peroxidase-mimetic system for in situ amplified colorimetric immunoassay. <i>Biosensors and Bioelectronics</i> , 2015, 70, 194-201.	10.1	133
5	Label-free hairpin DNA-scaffolded silver nanoclusters for fluorescent detection of Hg <sup>2+</sup> using exonuclease III-assisted target recycling amplification. <i>Biosensors and Bioelectronics</i> , 2016, 79, 411-415.	10.1	102
6	Target-Induced Nano-Enzyme Reactor Mediated Hole-Trapping for High-Throughput Immunoassay Based on a Split-Type Photoelectrochemical Detection Strategy. <i>Analytical Chemistry</i> , 2015, 87, 9473-9480.	6.5	93
7	In Situ Generation of Electron Donor to Assist Signal Amplification on Porphyrin-Sensitized Titanium Dioxide Nanostructures for Ultrasensitive Photoelectrochemical Immunoassay. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 23812-23818.	8.0	78
8	High-index {hk0} faceted platinum concave nanocubes with enhanced peroxidase-like activity for an ultrasensitive colorimetric immunoassay of the human prostate-specific antigen. <i>Analyst</i> , 2017, 142, 911-917.	3.5	78
9	Terbium ion-coordinated carbon dots for fluorescent aptasensing of adenosine 5'-triphosphate with unmodified gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2016, 86, 978-984.	10.1	72
10	Hemin/G-quadruplex-based DNAzyme concatamers for in situ amplified impedimetric sensing of copper(II) ion coupling with DNAzyme-catalyzed precipitation strategy. <i>Biosensors and Bioelectronics</i> , 2015, 74, 1-7.	10.1	69
11	DNAzyme-functionalized gold-palladium hybrid nanostructures for triple signal amplification of impedimetric immunosensor. <i>Biosensors and Bioelectronics</i> , 2014, 54, 365-371.	10.1	67
12	Invertase-labeling gold-dendrimer for in situ amplified detection mercury(II) with glucometer readout and thymine-Hg <sup>2+</sup> thymine coordination chemistry. <i>Biosensors and Bioelectronics</i> , 2016, 77, 681-686.	10.1	59
13	A three-dimensional DNA walker amplified FRET sensor for detection of telomerase activity based on the MnO <sub>2</sub> nanosheet-upconversion nanoparticle sensing platform. <i>Chemical Communications</i> , 2019, 55, 9857-9860.	4.1	53
14	Recent advances in DNA walker machines and their applications coupled with signal amplification strategies: A critical review. <i>Analytica Chimica Acta</i> , 2021, 1171, 338523.	5.4	49
15	A difunctional DNA-AuNP dendrimer coupling DNAzyme with intercalators for femtomolar detection of nucleic acids. <i>Chemical Communications</i> , 2013, 49, 7304.	4.1	39
16	Dual biomineralized metal-organic frameworks-mediated conversion of chemical energy to electricity enabling portable PEC sensing of telomerase activity in bladder cancer tissues. <i>Biosensors and Bioelectronics</i> , 2022, 204, 114070.	10.1	22
17	Isothermal cycling and cascade signal amplification strategy for ultrasensitive colorimetric detection of nucleic acids. <i>Mikrochimica Acta</i> , 2015, 182, 449-454.	5.0	18
18	Two-in-one: Portable piezoelectric and plasmonic exciton effect-based co-enhanced photoelectrochemical biosensor for point-of-care testing of low-abundance cancer markers. <i>Biosensors and Bioelectronics</i> , 2022, 211, 114413.	10.1	8

#	ARTICLE	IF	CITATIONS
19	Nanoscale assembly line composed of dual DNA-machines enabling sensitive microRNA detection using upconversion nanoparticles probes. Journal of Pharmaceutical and Biomedical Analysis, 2021, 195, 113842.	2.8	4