

# Bo Tian

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

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citations

471509

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677142

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24  
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times ranked

1361  
citing authors

#	ARTICLE	IF	CITATIONS
1	Homogeneous circle-to-circle amplification for real-time optomagnetic detection of SARS-CoV-2 RdRp coding sequence. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112356.	10.1	128
2	Detection of <i>Bacillus anthracis</i> spores by super-paramagnetic lateral-flow immunoassays based on "Road Closure". <i>Biosensors and Bioelectronics</i> , 2015, 67, 608-614.	10.1	84
3	Rapid detection of <i>Bacillus anthracis</i> spores using a super-paramagnetic lateral-flow immunological detectionsystem. <i>Biosensors and Bioelectronics</i> , 2013, 42, 661-667.	10.1	83
4	Attomolar Zika virus oligonucleotide detection based on loop-mediated isothermal amplification and AC susceptometry. <i>Biosensors and Bioelectronics</i> , 2016, 86, 420-425.	10.1	79
5	Optomagnetic Detection of MicroRNA Based on Duplex-Specific Nuclease-Assisted Target Recycling and Multilayer Core-Satellite Magnetic Superstructures. <i>ACS Nano</i> , 2017, 11, 1798-1806.	14.6	67
6	CRISPR-Cas12a based internal negative control for nonspecific products of exponential rolling circle amplification. <i>Nucleic Acids Research</i> , 2020, 48, e30-e30.	14.5	65
7	On-Particle Rolling Circle Amplification-Based Core-Satellite Magnetic Superstructures for MicroRNA Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 2957-2964.	8.0	39
8	Blu-ray optomagnetic measurement based competitive immunoassay for <i>Salmonella</i> detection. <i>Biosensors and Bioelectronics</i> , 2016, 77, 32-39.	10.1	36
9	MicroRNA Detection through DNAzyme-Mediated Disintegration of Magnetic Nanoparticle Assemblies. <i>ACS Sensors</i> , 2018, 3, 1884-1891.	7.8	35
10	Ultrasensitive Real-Time Rolling Circle Amplification Detection Enhanced by Nicking-Induced Tandem-Acting Polymerases. <i>Analytical Chemistry</i> , 2019, 91, 10102-10109.	6.5	34
11	Ferromagnetic Resonance Biosensor for Homogeneous and Volumetric Detection of DNA. <i>ACS Sensors</i> , 2018, 3, 1093-1101.	7.8	33
12	Rapid Newcastle Disease Virus Detection Based on Loop-Mediated Isothermal Amplification and Optomagnetic Readout. <i>ACS Sensors</i> , 2016, 1, 1228-1234.	7.8	29
13	MicroRNA detection based on duplex-specific nuclease-assisted target recycling and gold nanoparticle/graphene oxide nanocomposite-mediated electrocatalytic amplification. <i>Biosensors and Bioelectronics</i> , 2019, 127, 188-193.	10.1	28
14	Sequence-specific validation of LAMP amplicons in real-time optomagnetic detection of Dengue serotype 2 synthetic DNA. <i>Analyst</i> , The, 2017, 142, 3441-3450.	3.5	25
15	Nicking-assisted on-loop and off-loop enzymatic cascade amplification for optomagnetic detection of a highly conserved dengue virus sequence. <i>Biosensors and Bioelectronics</i> , 2020, 160, 112219.	10.1	23
16	Multi-scale magnetic nanoparticle based optomagnetic bioassay for sensitive DNA and bacteria detection. <i>Analytical Methods</i> , 2016, 8, 5009-5016.	2.7	22
17	Self-Assembled Magnetic Nanoparticle-Graphene Oxide Nanotag for Optomagnetic Detection of DNA. <i>ACS Applied Nano Materials</i> , 2019, 2, 1683-1690.	5.0	21
18	Shape anisotropy enhanced optomagnetic measurement for prostate-specific antigen detection via magnetic chain formation. <i>Biosensors and Bioelectronics</i> , 2017, 98, 285-291.	10.1	14

#	ARTICLE	IF	CITATIONS
19	Optomagnetic biosensors: Volumetric sensing based on magnetic actuation-induced optical modulations. <i>Biosensors and Bioelectronics</i> , 2022, 215, 114560.	10.1	10
20	Magnetophoretic Transport Line System for Rapid On-Chip Attomole Protein Detection. <i>Langmuir</i> , 2015, 31, 10296-10302.	3.5	8
21	Automated on-chip analysis of tuberculosis drug-resistance mutation with integrated DNA ligation and amplification. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2705-2710.	3.7	8
22	Real-time analysis of switchable nanocomposites of magnesium pyrophosphates and rolling circle amplification products. <i>ChemNanoMat</i> , 2020, 6, 1276-1282.	2.8	4
23	Dyes as Labels in Biosensing. , 0, , .		2