

Le Deng

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,582
citations

279798

23
h-index

302126

39
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47
all docs

47
docs citations

47
times ranked

1802
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel technology for biosorption and recovery hexavalent chromium in wastewater by bio-functional magnetic beads. <i>Bioresource Technology</i> , 2008, 99, 6271-6279.	9.6	194
2	A new method for the detection of ATP using a quantum-dot-tagged aptamer. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 1185-1188.	3.7	113
3	Fluorescent aptasensor for the determination of <i>Salmonella typhimurium</i> based on a graphene oxide platform. <i>Mikrochimica Acta</i> , 2014, 181, 647-653.	5.0	105
4	Highly Specific and Cost-Efficient Detection of <i>Salmonella Paratyphi A</i> Combining Aptamers with Single-Walled Carbon Nanotubes. <i>Sensors</i> , 2013, 13, 6865-6881.	3.8	96
5	The preparation and catalytically active characterization of papain immobilized on magnetic composite microspheres. <i>Enzyme and Microbial Technology</i> , 2004, 35, 15-21.	3.2	93
6	An Ultrasmall Fe ₃ O ₄ -Decorated Polydopamine Hybrid Nanozyme Enables Continuous Conversion of Oxygen into Toxic Hydroxyl Radical via GSH-Depleted Cascade Redox Reactions for Intensive Wound Disinfection. <i>Small</i> , 2022, 18, e2105465.	10.0	63
7	Highly Effective Colorimetric and Visual Detection of ATP by a DNAzyme-Aptamer Sensor. <i>Chemistry and Biodiversity</i> , 2011, 8, 311-316.	2.1	62
8	Gold-Platinum Nanodots with High-Peroxidase-like Activity and Photothermal Conversion Efficiency for Antibacterial Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37535-37544.	8.0	60
9	Enhanced bioremediation of heavy metal from effluent by sulfate-reducing bacteria with copper-iron bimetallic particles support. <i>Bioresource Technology</i> , 2013, 136, 413-417.	9.6	48
10	Nicking enzyme-assisted biosensor for <i>Salmonella enteritidis</i> detection based on fluorescence resonance energy transfer. <i>Biosensors and Bioelectronics</i> , 2014, 55, 400-404.	10.1	46
11	Immunomagnetic separation and MS/SPR end-detection combined procedure for rapid detection of <i>Staphylococcus aureus</i> and protein A. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1487-1492.	10.1	44
12	Aptamer selection for the detection of <i>Escherichia coli</i> K88. <i>Canadian Journal of Microbiology</i> , 2011, 57, 453-459.	1.7	42
13	Decontamination of multiple heavy metals-containing effluents through microbial biotechnology. <i>Journal of Hazardous Materials</i> , 2017, 337, 189-197.	12.4	38
14	Pd-Cu nanoalloy for dual stimuli-responsive chemo-photothermal therapy against pathogenic biofilm bacteria. <i>Acta Biomaterialia</i> , 2022, 137, 276-289.	8.3	37
15	Rapid Fluorescent Detection of <i>Escherichia coli</i> K88 Based on DNA Aptamer Library as Direct and Specific Reporter Combined With Immuno-Magnetic Separation. <i>Journal of Fluorescence</i> , 2014, 24, 1159-1168.	2.5	33
16	Removal of hexavalent chromium by fungal biomass of <i>Mucor racemosus</i> : influencing factors and removal mechanism. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 1685-1693.	3.6	30
17	Efficient suppression of biofilm formation by a nucleic acid aptamer. <i>Pathogens and Disease</i> , 2015, 73, ftv034.	2.0	30
18	Aptamer-based detection of <i>Salmonella enteritidis</i> using double signal amplification by Klenow fragment and dual fluorescence. <i>Mikrochimica Acta</i> , 2016, 183, 643-649.	5.0	29

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19	Flagellar Motility Is Critical for Salmonella enterica Serovar Typhimurium Biofilm Development. <i>Frontiers in Microbiology</i> , 2020, 11, 1695.	3.5	27
20	Magnetically retained and glucose-fueled hydroxyl radical nanogenerators for H ₂ O ₂ -self-supplying chemodynamic therapy of wound infections. <i>Materials Science and Engineering C</i> , 2021, 131, 112522.	7.3	27
21	Preparing a highly specific inert immunomolecular-magnetic beads for rapid detection and separation of <i>S. aureus</i> and group G <i>Streptococcus</i> . <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 1209-1216.	3.6	26
22	Low-cost supports used to immobilize fungi and reliable technique for removal hexavalent chromium in wastewater. <i>Bioresource Technology</i> , 2008, 99, 2234-2241.	9.6	26
23	Influence of aptamer-targeted antibiofilm agents for treatment of <i>Pseudomonas aeruginosa</i> biofilms. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 199-208.	1.7	26
24	A novel homogenous detection method based on the self-assembled DNAzyme labeled DNA probes with SWNT conjugates and its application in detecting pathogen. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4596-4600.	10.1	23
25	Highly sensitive fluorescent aptasensor for <i>Salmonella paratyphi A</i> via DNase I-mediated cyclic signal amplification. <i>Analytical Methods</i> , 2015, 7, 10243-10250.	2.7	23
26	A DNA Aptamer Against Influenza A Virus: An Effective Inhibitor to the Hemagglutinin-Glycan Interactions. <i>Nucleic Acid Therapeutics</i> , 2016, 26, 166-172.	3.6	22
27	Targeting effect of berberine on type I fimbriae of <i>Salmonella Typhimurium</i> and its effective inhibition of biofilm. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1563-1573.	3.6	21
28	High Specific DNAzyme-Aptamer Sensor for <i>Salmonella paratyphi A</i> Using Single-Walled Nanotubes-Based Dual Fluorescence-Spectrophotometric Methods. <i>Journal of Biomolecular Screening</i> , 2014, 19, 1099-1106.	2.6	18
29	Combat biofilm by bacteriostatic aptamer-functionalized graphene oxide. <i>Biotechnology and Applied Biochemistry</i> , 2018, 65, 355-361.	3.1	17
30	One-pot synthesis of CNC-Ag@AgCl with antifouling and antibacterial properties. <i>Cellulose</i> , 2019, 26, 7837-7846.	4.9	15
31	Detection of <i>Staphylococcus aureus</i> Carrying the Gene for Toxic Shock Syndrome Toxin 1 by Quantum-Dot-Probe Complexes. <i>Journal of Fluorescence</i> , 2011, 21, 1525-1530.	2.5	14
32	Label-Free Fluorescent Aptasensor Based on a Graphene Oxide Self-Assembled Probe for the Determination of Adenosine Triphosphate. <i>Analytical Letters</i> , 2014, 47, 2350-2360.	1.8	14
33	Determination of <i>Shigella flexneri</i> by a Novel Fluorescent Aptasensor. <i>Analytical Letters</i> , 2015, 48, 2870-2881.	1.8	14
34	Enzyme-free hybridization chain reaction-based signal amplification strategy for the sensitive detection of <i>Staphylococcus aureus</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 215, 41-47.	3.9	13
35	Rapid Fluorescent Detection of Enterotoxigenic <i>Escherichia coli</i> (ETEC) K88 Based on Graphene Oxide-Dependent Nanoquencher and Klenow Fragment-Triggered Target Cyclic Amplification. <i>Applied Spectroscopy</i> , 2015, 69, 1175-1181.	2.2	12
36	Ferrocene-functionalized hybrid hydrogel dressing with high-adhesion for combating biofilm. <i>Materials Science and Engineering C</i> , 2021, 125, 112111.	7.3	12

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37	G-quadruplex-based assay combined with aptamer and gold nanoparticles for Escherichia coli K88 determination. <i>Mikrochimica Acta</i> , 2020, 187, 308.	5.0	11
38	Gold Nanomaterials as a Promising Integrated Tool for Diagnosis and Treatment of Pathogenic Infections—A Review. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 744-770.	1.1	11
39	Aptamer-Based Fluorescent Determination of Salmonella paratyphi A Using Phi29-DNA Polymerase-Assisted Cyclic Amplification. <i>Analytical Letters</i> , 2019, 52, 919-931.	1.8	7
40	An enzyme-free fluorometric nanoprobe for chloramphenicol based on signal amplification using graphene oxide sheets. <i>Mikrochimica Acta</i> , 2020, 187, 319.	5.0	7
41	Efficient Eradication of Bacterial Biofilms with Highly Specific Graphene-Based Nanocomposite Sheets. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5118-5128.	5.2	7
42	Novel strategy combining SYBR Green I with carbon nanotubes for highly sensitive detection of Salmonella typhimurium DNA. <i>Enzyme and Microbial Technology</i> , 2014, 54, 15-19.	3.2	6
43	An ultrasensitive fluorescence detection template of pathogenic bacteria based on dual catalytic hairpin DNA Walker@Gold nanoparticles enzyme-free amplification. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 277, 121259.	3.9	5
44	Detection of Bifidobacterium Species-specific 16S rDNA Based on QD FRET Bioprobe. <i>Journal of Fluorescence</i> , 2010, 20, 365-369.	2.5	4
45	Application of Activated Biomaterial in the Rapid Start-up and Stable Operation of Biological Processes for Removal Cadmium from Effluent. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	4
46	Green Synthesis of Silver—Carbon Nanocomposites with Extraordinary Stability and Robust Antibacterial Activity against Bacterial Diseases in Fish. <i>ACS Applied Bio Materials</i> , 2022, 5, 1064-1072.	4.6	4
47	A terminal protection system for the detection of adenosine triphosphate via enzyme-assisted signal amplification. <i>Analytical Methods</i> , 2015, 7, 970-975.	2.7	3