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List of Publications by Year
in descending order

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53 papers	2,389 citations	257450 24 h-index	206112 48 g-index
56 all docs	56 docs citations	56 times ranked	2852 citing authors

#	Article	IF	Citations
1	One-step isothermal amplification strategy for microRNA specific and ultrasensitive detection based on nicking-assisted entropy-driven DNA circuit triggered exponential amplification reaction. Analytica Chimica Acta, 2022, 1203, 339706.	5.4	5
2	THz-ATR Spectroscopy Integrated with Species Recognition Based on Multi-Classifier Voting for Automated Clinical Microbial Identification. Biosensors, 2022, 12, 378.	4.7	5
3	A terahertz metamaterial biosensor for sensitive detection of microRNAs based on gold-nanoparticles and strand displacement amplification. Biosensors and Bioelectronics, 2021, 175, 112874.	10.1	89
4	An enzyme-powered, three-dimensional lame DNA walker. Biosensors and Bioelectronics, 2021, 177, 112981.	10.1	33
5	Molecule-Specific Terahertz Biosensors Based on an Aptamer Hydrogel-Functionalized Metamaterial for Sensitive Assays in Aqueous Environments. ACS Sensors, 2021, 6, 1884-1890.	7.8	44
6	A novel THz molecule-selective sensing strategy in aqueous environments: THz-ATR spectroscopy integrated with a smart hydrogel. Talanta, 2021, 228, 122213.	5.5	21
7	ICBP90 Regulates MIF Expression, Glucocorticoid Sensitivity, and Apoptosis at the MIF Immune Susceptibility Locus. Arthritis and Rheumatology, 2021, 73, 1931-1942.	5.6	4
8	Streptavidin-functionalized terahertz metamaterials for attomolar exosomal microRNA assay in pancreatic cancer based on duplex-specific nuclease-triggered rolling circle amplification. Biosensors and Bioelectronics, 2021, 188, 113314.	10.1	51
9	Surface-enhanced Raman scattering inspired by programmable nucleic acid isothermal amplification technology. TrAC - Trends in Analytical Chemistry, 2021, 143, 116401.	11.4	14
10	Surface bio-sensor based on terahertz Bragg fiber. Laser Physics, 2021, 31, 105102.	1.2	0
11	Biomedical Applications of Terahertz Near-field Imaging. , 2021, , .		1
12	Rapid and sensitive exosome detection with CRISPR/Cas12a. Analytical and Bioanalytical Chemistry, 2020, 412, 601-609.	3.7	124
13	Evaluation of the Reliability of Six Commercial SERS Substrates. Plasmonics, 2020, 15, 743-752.	3.4	35
14	Highly sensitive detection ofStaphylococcus aureusby a THz metamaterial biosensor based on gold nanoparticles and rolling circle amplification. RSC Advances, 2020, 10, 26824-26833.	3.6	30
15	Spatiotemporally Controllable MicroRNA Imaging in Living Cells via a Near-Infrared Light-Activated Nanoprobe. ACS Applied Materials & Interfaces, 2020, 12, 35958-35966.	8.0	42
16	Target-triggered â€œsignal-offâ€•electrochemical aptasensor assisted by Au nanoparticleâ€“modified sensing platform for high-sensitivity determination of circulating tumor cells. Analytical and Bioanalytical Chemistry, 2020, 412, 8107-8115.	3.7	19
17	Three-dimensional DNA tweezers serve as modular DNA intelligent machines for detection and regulation of intracellular microRNA. Science Advances, 2020, 6, eabb0695.	10.3	41
18	Aptamer-Cholesterol-Mediated Proximity Ligation Assay for Accurate Identification of Exosomes. Analytical Chemistry, 2020, 92, 5411-5418.	6.5	90

#	Article	IF	Citations
19	Dataset concerning plasmonic thermal destruction of murine melanoma by gold nanoparticles obtained by green chemistry. Data in Brief, 2020, 29, 105370.	1.0	5
20	An ultraportable and versatile point-of-care DNA testing platform. Science Advances, 2020, 6, eaaz7445.	10.3	71
21	Application of fluorescence in situ hybridization in the detection of bladder transitional-cell carcinoma: A multi-center clinical study based on Chinese population. Asian Journal of Urology, 2019, 6, 114-121.	1.2	8
22	Proof of concept of plasmonic thermal destruction of surface cancers by gold nanoparticles obtained by green chemistry. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110496.	5.0	10
23	Femtomolar detection of nucleic acid based on functionalized gold nanoparticles. Nanophotonics, 2019, 8, 1495-1503.	6.0	14
24	Rapid screening of colistin-resistantEscherichia coli,Acinetobacter baumanniiandPseudomonas aeruginosaby the use of Raman spectroscopy and hierarchical cluster analysis. Analyst, The, 2019, 144, 2803-2810.	3.5	25
25	The medical application of terahertz technology in non-invasive detection of cells and tissues: opportunities and challenges. RSC Advances, 2019, 9, 9354-9363.	3.6	196
26	A label-free electrochemical biosensor for microRNAs detection based on DNA nanomaterial by coupling with Y-shaped DNA structure and non-linear hybridization chain reaction. Biosensors and Bioelectronics, 2019, 126, 657-663.	10.1	75
27	Surface-enhanced Raman scattering method for the identification of methicillin-resistant Staphylococcus aureus using positively charged silver nanoparticles. Mikrochimica Acta, 2019, 186, 102.	5.0	57
28	THz Spectroscopy for a Rapid and Label-Free Cell Viability Assay in a Microfluidic Chip Based on an Optical Clearing Agent. Analytical Chemistry, 2019, 91, 785-791.	6.5	23
29	Influence of the Aptamer Grafting on its Conformation and its Interaction with Targeted Protein. Plasmonics, 2019, 14, 1029-1038.	3.4	5
30	Thyrotropin receptor antibody: A novel risk indicator for pregnancy loss. Clinical Biochemistry, 2019, 64, 44-48.	1.9	8
31	Label-free self-referenced sensing of living cells by terahertz metamaterial-based reflection spectroscopy. Biomedical Optics Express, 2019, 10, 1196.	2.9	20
32	Identification and investigation of the vibrational properties of crystalline and co-amorphous drugs with Raman and terahertz spectroscopy. Biomedical Optics Express, 2019, 10, 4290.	2.9	9
33	Rapid and label-free detection of pathogenic bacteria by terahertz metamaterial. , 2019, , .		0
34	Serum Protein-Based Profiles as Novel Biomarkers for the Diagnosis of Alzheimerâ€™s Disease. Molecular Neurobiology, 2018, 55, 3999-4008.	4.0	12
35	Label-free bacterial colony detection and viability assessment by continuous-wave terahertz transmission imaging. Journal of Biophotonics, 2018, 11, e201700386.	2.3	12
36	Terahertz spectroscopy for the isothermal detection of bacterial DNA by magnetic bead-based rolling circle amplification. Analyst, The, 2017, 142, 4661-4669.	3.5	32

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37	Wild-type blocking pcr coupled with internal competitive amplified fragment improved the detection of rare mutation of KRAS. Molecular Medicine Reports, 2017, 16, 2726-2732.	2.4	3
38	Cell viability and hydration assay based on metamaterial-enhanced terahertz spectroscopy. RSC Advances, 2017, 7, 53963-53969.	3.6	9
39	Label-free sensing of the binding state of MUC1 peptide and anti-MUC1 aptamer solution in fluidic chip by terahertz spectroscopy. Biomedical Optics Express, 2017, 8, 4427.	2.9	20
40	The ET-1-mediated carbonylation and degradation of ANXA1 induce inflammatory phenotype and proliferation of pulmonary artery smooth muscle cells in HPS. PLoS ONE, 2017, 12, e0175443.	2.5	8
41	Terahertz spectroscopy for bacterial detection: opportunities and challenges. Applied Microbiology and Biotechnology, 2016, 100, 5289-5299.	3.6	49
42	Biomedical Applications of Terahertz Spectroscopy and Imaging. Trends in Biotechnology, 2016, 34, 810-824.	9.3	626
43	A SPR biosensor based on signal amplification using antibody-QD conjugates for quantitative determination of multiple tumor markers. Scientific Reports, 2016, 6, 33140.	3.3	58
44	Rapid and label-free detection and assessment of bacteria by terahertz time-domain spectroscopy. Journal of Biophotonics, 2016, 9, 1050-1058.	2.3	45
45	Reagent-free photochemical silver dendrite synthesis on a gallium nitride thin film as a SERS-active substrate and catalytic cluster. RSC Advances, 2015, 5, 24210-24214.	3.6	7
46	Activation of Dopamine D2 Receptor Suppresses Neuroinflammation Through Î±B-Crystalline by Inhibition of NF-Î²B Nuclear Translocation in Experimental ICH Mice Model. Stroke, 2015, 46, 2637-2646.	2.0	126
47	Real-time monitoring of mycobacterium genomic DNA with target-primed rolling circle amplification by a Au nanoparticle-embedded SPR biosensor. Biosensors and Bioelectronics, 2015, 66, 512-519.	10.1	61
48	Response to comment on â€œInterference-free determination of ischemia-modified albumin using quantum dot coupled X-ray fluorescence spectroscopyâ€•[Biosens. Bioelectron. 51 (2014) 136â€“142]. Biosensors and Bioelectronics, 2015, 65, 437-438.	10.1	0
49	A new system for the amplification of biological signals: RecA and complimentary single strand DNA probes on a leaky surface acoustic wave biosensor. Biosensors and Bioelectronics, 2014, 60, 259-264.	10.1	11
50	Isothermal and rapid detection of pathogenic microorganisms using a nano-rolling circle amplification-surface plasmon resonance biosensor. Biosensors and Bioelectronics, 2014, 62, 280-287.	10.1	60
51	Genomewide expression profile analysis in different TNM stages of lung adenocarcinoma. , 2014, , .		0
52	Isothermal detection of multiple point mutations by a surface plasmon resonance biosensor with Au nanoparticles enhanced surface-anchored rolling circle amplification. Biosensors and Bioelectronics, 2013, 49, 442-449.	10.1	46
53	Detection of Staphylococcus epidermidis by a Quartz Crystal Microbalance Nucleic Acid Biosensor Array Using Au Nanoparticle Signal Amplification. Sensors, 2008, 8, 6453-6470.	3.8	30