

Ping Song

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,713
citations

430874

18
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

2212
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical detection of nucleic acids, proteins, small molecules and cells using a DNA-nanostructure-based universal biosensing platform. <i>Nature Protocols</i> , 2016, 11, 1244-1263.	12.0	320
2	DNA Hydrogel with Aptamer-Toehold-Based Recognition, Cloaking, and Decloaking of Circulating Tumor Cells for Live Cell Analysis. <i>Nano Letters</i> , 2017, 17, 5193-5198.	9.1	204
3	Multivalent Capture and Detection of Cancer Cells with DNA Nanostructured Biosensors and Multibranching Hybridization Chain Reaction Amplification. <i>Analytical Chemistry</i> , 2014, 86, 7843-7848.	6.5	154
4	Ultrasensitive Electrochemical Detection of Prostate-Specific Antigen by Using Antibodies Anchored on a DNA Nanostructural Scaffold. <i>Analytical Chemistry</i> , 2014, 86, 7337-7342.	6.5	153
5	PolyA-Mediated DNA Assembly on Gold Nanoparticles for Thermodynamically Favorable and Rapid Hybridization Analysis. <i>Analytical Chemistry</i> , 2016, 88, 4949-4954.	6.5	107
6	Adsorption and corrosion inhibition of phytic acid calcium on the copper surface in 3wt% NaCl solution. <i>Corrosion Science</i> , 2014, 83, 147-154.	6.6	87
7	Programming bulk enzyme heterojunctions for biosensor development with tetrahedral DNA framework. <i>Nature Communications</i> , 2020, 11, 838.	12.8	84
8	β -catenin represses miR455-3p to stimulate m6A modification of HSF1 mRNA and promote its translation in colorectal cancer. <i>Molecular Cancer</i> , 2020, 19, 129.	19.2	66
9	Limitations and opportunities of technologies for the analysis of cell-free DNA in cancer diagnostics. <i>Nature Biomedical Engineering</i> , 2022, 6, 232-245.	22.5	56
10	A Preexisting Rare <i>PIK3CA</i> E545K Subpopulation Confers Clinical Resistance to MEK plus CDK4/6 Inhibition in <i>NRAS</i> Melanoma and Is Dependent on S6K1 Signaling. <i>Cancer Discovery</i> , 2018, 8, 556-567.	9.4	55
11	Dynamic Modulation of DNA Hybridization Using Allosteric DNA Tetrahedral Nanostructures. <i>Analytical Chemistry</i> , 2016, 88, 8043-8049.	6.5	54
12	Encapsulation and release of living tumor cells using hydrogels with the hybridization chain reaction. <i>Nature Protocols</i> , 2020, 15, 2163-2185.	12.0	54
13	Phytic acid adsorption on the copper surface: Observation of electrochemistry and Raman spectroscopy. <i>Applied Surface Science</i> , 2013, 276, 167-173.	6.1	51
14	2-Amino-5-(4-pyridinyl)-1,3,4-thiadiazole monolayers on copper surface: Observation of the relationship between its corrosion inhibition and adsorption structure. <i>Corrosion Science</i> , 2013, 73, 274-280.	6.6	41
15	Insight in cysteamine adsorption behaviors on the copper surface by electrochemistry and Raman spectroscopy. <i>Electrochimica Acta</i> , 2013, 89, 503-509.	5.2	41
16	Insight in layer-by-layer assembly of cysteamine and l-cysteine on the copper surface by electrochemistry and Raman spectroscopy. <i>Applied Surface Science</i> , 2015, 328, 86-94.	6.1	38
17	Selective multiplexed enrichment for the detection and quantitation of low-fraction DNA variants via low-depth sequencing. <i>Nature Biomedical Engineering</i> , 2021, 5, 690-701.	22.5	27
18	SERS and in situ SERS spectroelectrochemical investigations of serotonin monolayers at a silver electrode. <i>Journal of Electroanalytical Chemistry</i> , 2013, 688, 384-391.	3.8	22

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19	Lab on smartphone with interfaced electrochemical chips for on-site gender verification. <i>Journal of Electroanalytical Chemistry</i> , 2016, 777, 117-122.	3.8	17
20	High sensitivity sanger sequencing detection of BRAF mutations in metastatic melanoma FFPE tissue specimens. <i>Scientific Reports</i> , 2021, 11, 9043.	3.3	13
21	Oncogene Concatenated Enriched Amplicon Nanopore Sequencing for rapid, accurate, and affordable somatic mutation detection. <i>Genome Biology</i> , 2021, 22, 227.	8.8	13
22	The role of autophagy in the cytotoxicity induced by trastuzumab emtansine (T-DM1) in HER2-positive breast cancer cells. <i>AMB Express</i> , 2020, 10, 107.	3.0	11
23	Application of Nucleic Acid Frameworks in the Construction of Nanostructures and Cascade Biocatalysts: Recent Progress and Perspective. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 792489.	4.1	10
24	Injection device-related risk management toward safe administration of medications: experience in a university teaching hospital in The People's Republic of China. <i>Therapeutics and Clinical Risk Management</i> , 2014, 10, 165.	2.0	9
25	Designing highly multiplex PCR primer sets with Simulated Annealing Design using Dimer Likelihood Estimation (SADDLE). <i>Nature Communications</i> , 2022, 13, 1881.	12.8	9
26	Hairpin Structure Facilitates Multiplex High-Fidelity DNA Amplification in Real-Time Polymerase Chain Reaction. <i>Analytical Chemistry</i> , 2022, 94, 9586-9594.	6.5	6
27	A randomized phase II, open-label and multicenter study of combination regimens of bortezomib at two doses by subcutaneous injection for newly diagnosed multiple myeloma patients. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 2343-2355.	2.5	4
28	Poor outcomes of immunoglobulin D multiple myeloma patients in the era of novel agents: a single-center experience. <i>Cancer Communications</i> , 2019, 39, 1-6.	9.2	3
29	Transcription, Reverse Transcription, and Amplification of Backbone-Modified Nucleic Acids with Laboratory-Evolved Thermophilic DNA Polymerases. <i>Current Protocols</i> , 2021, 1, e188.	2.9	2