

Andrew J Bonham

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,260
citations

623188

14
h-index

752256

20
g-index

30
all docs

30
docs citations

30
times ranked

2180
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time, Aptamer-Based Tracking of Circulating Therapeutic Agents in Living Animals. <i>Science Translational Medicine</i> , 2013, 5, 213ra165.	5.8	291
2	CheapStat: An Open-Source, "Do-It-Yourself" Potentiostat for Analytical and Educational Applications. <i>PLoS ONE</i> , 2011, 6, e23783.	1.1	223
3	Roles of Integrins in Human Induced Pluripotent Stem Cell Growth on Matrigel and Vitronectin. <i>Stem Cells and Development</i> , 2010, 19, 1231-1240.	1.1	143
4	Detection of Sequence-Specific Protein-DNA Interactions via Surface Enhanced Resonance Raman Scattering. <i>Journal of the American Chemical Society</i> , 2007, 129, 14572-14573.	6.6	137
5	Quantification of Transcription Factor Binding in Cell Extracts Using an Electrochemical, Structure-Switching Biosensor. <i>Journal of the American Chemical Society</i> , 2012, 134, 3346-3348.	6.6	81
6	Transcription Factor Beacons for the Quantitative Detection of DNA Binding Activity. <i>Journal of the American Chemical Society</i> , 2011, 133, 13836-13839.	6.6	79
7	Reagentless, Electrochemical Approach for the Specific Detection of Double- and Single-Stranded DNA Binding Proteins. <i>Analytical Chemistry</i> , 2009, 81, 1608-1614.	3.2	72
8	Gold Nanoparticle-Functionalized Reverse Thermal Gel for Tissue Engineering Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18671-18680.	4.0	47
9	Electrochemical aptamer scaffold biosensors for detection of botulism and ricin toxins. <i>Chemical Communications</i> , 2015, 51, 15137-15140.	2.2	33
10	Tracking transcription factor complexes on DNA using total internal reflectance fluorescence protein binding microarrays. <i>Nucleic Acids Research</i> , 2009, 37, e94-e94.	6.5	25
11	Detection of IP-10 protein marker in undiluted blood serum via an electrochemical E-DNA scaffold sensor. <i>Analyst</i> , 2013, 138, 5580.	1.7	25
12	Allele-specific proximal promoter hypomethylation of the telomerase reverse transcriptase gene (<i>TERT</i>) associates with <i>TERT</i> expression in multiple cancers. <i>Molecular Oncology</i> , 2020, 14, 2358-2374.	2.1	23
13	A paucity of knowledge regarding nontuberculous mycobacterial lipids compared to the tubercle bacillus. <i>Tuberculosis</i> , 2019, 115, 96-107.	0.8	21
14	STAT1:DNA sequence-dependent binding modulation by phosphorylation, protein:protein interactions and small-molecule inhibition. <i>Nucleic Acids Research</i> , 2013, 41, 754-763.	6.5	17
15	Fabrication of Electrochemical-DNA Biosensors for the Reagentless Detection of Nucleic Acids, Proteins and Small Molecules. <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	11
16	Temperature and Time-Resolved Total Internal Reflectance Fluorescence Analysis of Reusable DNA Hydrogel Chips. <i>Analytical Chemistry</i> , 2010, 82, 6124-6131.	3.2	10
17	Reusable Electrochemical DNA Biosensor for the Detection of Waterborne Uranium. <i>ChemElectroChem</i> , 2017, 4, 843-845.	1.7	10
18	Electrochemical DNA Biosensor That Detects Early Celiac Disease Autoantibodies. <i>Sensors</i> , 2021, 21, 2671.	2.1	5

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19	Electrochemical Aptamer Scaffold Biosensors for Detection of Botulism and Ricin Proteins. <i>Methods in Molecular Biology</i> , 2017, 1600, 9-23.	0.4	4
20	Conformational design optimization of transcription factor beacon DNA biosensors. <i>Sensing and Bio-Sensing Research</i> , 2014, 2, 49-54.	2.2	3
21	DNA Based Folding Bio-sensors That Are Capable of Detecting Transcription Factors Involved In Cancer Progression By Expressing Recombinant TATA Binding Protein. <i>FASEB Journal</i> , 2013, 27, 551.11.	0.2	0
22	Investigating neurogenesis with biosensors directed at key transcription factors. <i>FASEB Journal</i> , 2013, 27, 547.7.	0.2	0
23	Characterizing Binding Interactions and Elucidating Structure of Aptamer-based Biosensors. <i>FASEB Journal</i> , 2018, 32, 657.4.	0.2	0
24	Characterizing Binding Interactions and Elucidating 3D Structure of Aptamer-based Biosensors. <i>FASEB Journal</i> , 2019, 33, 775.2.	0.2	0
25	Detection of Celiac Disease Autoantibodies with a Rapid and Noninvasive Diagnostic Biosensor. <i>FASEB Journal</i> , 2019, 33, 635.13.	0.2	0
26	Automating the design of structure-switching aptamer biosensors. <i>FASEB Journal</i> , 2019, 33, 642.5.	0.2	0
27	An Electrochemical Biosensor for Detection of P.69 Pertactin Associated with <i>B. pertussis</i> . <i>FASEB Journal</i> , 2022, 36, .	0.2	0
28	Development of an Electrochemical, DNA-based Biosensor to the Cancer Biomarker ENOX2. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
29	Electrochemical DNA Biosensor to Detect Glycopeptidolipids of Nontuberculous Mycobacteria. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
30	Pyllelic, a Software Suite for Examining Allelic DNA CpG Methylation Patterns in Genomic Datasets. <i>FASEB Journal</i> , 2022, 36, .	0.2	0