

Michael Eisenstein

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,099
citations

270111

25
h-index

274796

44
g-index

55
all docs

55
docs citations

55
times ranked

3625
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time monitoring of drug pharmacokinetics within tumor tissue in live animals. <i>Science Advances</i> , 2022, 8, eabk2901.	4.7	26
2	Directed Evolution of Aptamer Discovery Technologies. <i>Accounts of Chemical Research</i> , 2022, 55, 685-695.	7.6	35
3	A system for multiplexed selection of aptamers with exquisite specificity without counterselection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119945119.	3.3	20
4	Comparing assays via the resolution of molecular concentration. <i>Nature Biomedical Engineering</i> , 2022, 6, 227-231.	11.6	4
5	A fluorescence sandwich immunoassay for the real-time continuous detection of glucose and insulin in live animals. <i>Nature Biomedical Engineering</i> , 2021, 5, 53-63.	11.6	44
6	Accelerated Electron Transfer in Nanostructured Electrodes Improves the Sensitivity of Electrochemical Biosensors. <i>Advanced Science</i> , 2021, 8, e2102495.	5.6	32
7	Discovery of indole-modified aptamers for highly specific recognition of protein glycoforms. <i>Nature Communications</i> , 2021, 12, 7106.	5.8	28
8	Engineering Aptamer Switches for Multifunctional Stimulus-Responsive Nanosystems. <i>Advanced Materials</i> , 2020, 32, e2003704.	11.1	68
9	Measuring Aptamer Folding Energy Using a Molecular Clamp. <i>Journal of the American Chemical Society</i> , 2020, 142, 11743-11749.	6.6	9
10	Rational design of aptamer switches with programmable pH response. <i>Nature Communications</i> , 2020, 11, 2946.	5.8	45
11	Independent control of the thermodynamic and kinetic properties of aptamer switches. <i>Nature Communications</i> , 2019, 10, 5079.	5.8	62
12	Illumina swallows PacBio in long shot for market domination. <i>Nature Biotechnology</i> , 2019, 37, 3-4.	9.4	4
13	High-Fidelity Nanopore Sequencing of Ultra-Short DNA Targets. <i>Analytical Chemistry</i> , 2019, 91, 6783-6789.	3.2	50
14	Shape-based separation of synthetic microparticles. <i>Nature Materials</i> , 2019, 18, 82-89.	13.3	29
15	Direct Selection of Fluorescence-Enhancing RNA Aptamers. <i>Journal of the American Chemical Society</i> , 2018, 140, 3583-3591.	6.6	42
16	Strategy for Generating Sequence-Defined Aptamer Reagent Sets for Detecting Protein Contaminants in Biotherapeutics. <i>Analytical Chemistry</i> , 2018, 90, 3262-3269.	3.2	7
17	Direct Selection Strategy for Isolating Aptamers with pH-Sensitive Binding Activity. <i>ACS Sensors</i> , 2018, 3, 2574-2580.	4.0	17
18	Multiparameter Particle Display (MPPD): A Quantitative Screening Method for the Discovery of Highly Specific Aptamers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 744-747.	7.2	71

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19	Multiparameter Particle Display (MPPD): A Quantitative Screening Method for the Discovery of Highly Specific Aptamers. <i>Angewandte Chemie</i> , 2017, 129, 762-765.	1.6	6
20	Dual-reporter SERS-based biomolecular assay with reduced false-positive signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9056-9061.	3.3	67
21	High-Throughput Discovery of Aptamers for Sandwich Assays. <i>Analytical Chemistry</i> , 2016, 88, 10842-10847.	3.2	14
22	The field that came in from the cold. <i>Nature Methods</i> , 2016, 13, 19-22.	9.0	23
23	Immune profiling players shift gear to guide cancer drug development. <i>Nature Biotechnology</i> , 2016, 34, 215-216.	9.4	1
24	Thousand-Fold Volumetric Concentration of Live Cells with a Recirculating Acoustofluidic Device. <i>Analytical Chemistry</i> , 2015, 87, 8497-8502.	3.2	39
25	Array-based Discovery of Aptamer Pairs. <i>Analytical Chemistry</i> , 2015, 87, 821-828.	3.2	39
26	Startups use short-read data to expand long-read sequencing market. <i>Nature Biotechnology</i> , 2015, 33, 433-435.	9.4	48
27	Integrated Electrochemical Microsystems for Genetic Detection of Pathogens at the Point of Care. <i>Accounts of Chemical Research</i> , 2015, 48, 911-920.	7.6	135
28	Synthetic Aptamer-Polymer Hybrid Constructs for Programmed Drug Delivery into Specific Target Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 15010-15015.	6.6	110
29	Particle Display: A Quantitative Screening Method for Generating High-Affinity Aptamers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4796-4801.	7.2	96
30	Frontispiece: Particle Display: A Quantitative Screening Method for Generating High-Affinity Aptamers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, n/a-n/a.	7.2	0
31	Accurate Zygote-Specific Discrimination of Single-Nucleotide Polymorphisms Using Microfluidic Electrochemical DNA Melting Curves. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3163-3167.	7.2	29
32	Phenotypic effects of an induced mutation of the ObRa isoform of the leptin receptor. <i>Molecular Metabolism</i> , 2013, 2, 364-375.	3.0	49
33	Quantitative selection and parallel characterization of aptamers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18460-18465.	3.3	115
34	Real-Time, Aptamer-Based Tracking of Circulating Therapeutic Agents in Living Animals. <i>Science Translational Medicine</i> , 2013, 5, 213ra165.	5.8	291
35	Personalized, sequencing-based immune profiling spurs startups. <i>Nature Biotechnology</i> , 2013, 31, 184-185.	9.4	7
36	<i>In Vitro</i> Selection of Shape-Changing DNA Nanostructures Capable of Binding-Induced Cargo Release. <i>ACS Nano</i> , 2013, 7, 9675-9683.	7.3	26

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37	Companies 'going long' generate sequencing buzz at Marco Island. Nature Biotechnology, 2013, 31, 265-266.	9.4	6
38	The battle for sequencing supremacy. Nature Biotechnology, 2012, 30, 1023-1026.	9.4	20
39	Oxford Nanopore announcement sets sequencing sector abuzz. Nature Biotechnology, 2012, 30, 295-296.	9.4	156
40	Up for grabs. Nature Biotechnology, 2010, 28, 544-546.	9.4	7
41	The secreted glycoprotein CREG enhances differentiation of NTERA-2 human embryonal carcinoma cells. Oncogene, 2000, 19, 2120-2128.	2.6	76
42	A Cellular Repressor of E1A-Stimulated Genes That Inhibits Activation by E2F. Molecular and Cellular Biology, 1998, 18, 5032-5041.	1.1	87