

Michael Eisenstein

List of Publications by Year in descending order

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42
papers

2,099
citations

236925

25
h-index

243625

44
g-index

55
all docs

55
docs citations

55
times ranked

3207
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.	12.4	291
2	Oxford Nanopore announcement sets sequencing sector abuzz. <i>Nature Biotechnology</i> , 2012, 30, 295-296.	17.5	156
3	Integrated Electrochemical Microsystems for Genetic Detection of Pathogens at the Point of Care. <i>Accounts of Chemical Research</i> , 2015, 48, 911-920.	15.6	135
4	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.	7.1	115
5	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.	13.7	110
6	Particle Display: A Quantitative Screening Method for Generating High-Affinity Aptamers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4796-4801.	13.8	96
7	A Cellular Repressor of E1A-Stimulated Genes That Inhibits Activation by E2F. <i>Molecular and Cellular Biology</i> , 1998, 18, 5032-5041.	2.3	87
8	The secreted glycoprotein CREG enhances differentiation of NTERA-2 human embryonal carcinoma cells. <i>Oncogene</i> , 2000, 19, 2120-2128.	5.9	76
9	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.	13.8	71
10	Engineering Aptamer Switches for Multifunctional Stimulus-Responsive Nanosystems. <i>Advanced Materials</i> , 2020, 32, e2003704.	21.0	68
11	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.	7.1	67
12	Independent control of the thermodynamic and kinetic properties of aptamer switches. <i>Nature Communications</i> , 2019, 10, 5079.	12.8	62
13	High-Fidelity Nanopore Sequencing of Ultra-Short DNA Targets. <i>Analytical Chemistry</i> , 2019, 91, 6783-6789.	6.5	50
14	Phenotypic effects of an induced mutation of the ObRa isoform of the leptin receptor. <i>Molecular Metabolism</i> , 2013, 2, 364-375.	6.5	49
15	Startups use short-read data to expand long-read sequencing market. <i>Nature Biotechnology</i> , 2015, 33, 433-435.	17.5	48
16	Rational design of aptamer switches with programmable pH response. <i>Nature Communications</i> , 2020, 11, 2946.	12.8	45
17	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.	22.5	44
18	Direct Selection of Fluorescence-Enhancing RNA Aptamers. <i>Journal of the American Chemical Society</i> , 2018, 140, 3583-3591.	13.7	42

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19	Thousand-Fold Volumetric Concentration of Live Cells with a Recirculating Acoustofluidic Device. <i>Analytical Chemistry</i> , 2015, 87, 8497-8502.	6.5	39
20	Array-based Discovery of Aptamer Pairs. <i>Analytical Chemistry</i> , 2015, 87, 821-828.	6.5	39
21	Directed Evolution of Aptamer Discovery Technologies. <i>Accounts of Chemical Research</i> , 2022, 55, 685-695.	15.6	35
22	Accelerated Electron Transfer in Nanostructured Electrodes Improves the Sensitivity of Electrochemical Biosensors. <i>Advanced Science</i> , 2021, 8, e2102495.	11.2	32
23	Accurate Zygote-Specific Discrimination of Single-Nucleotide Polymorphisms Using Microfluidic Electrochemical DNA Melting Curves. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3163-3167.	13.8	29
24	Shape-based separation of synthetic microparticles. <i>Nature Materials</i> , 2019, 18, 82-89.	27.5	29
25	Discovery of indole-modified aptamers for highly specific recognition of protein glycoforms. <i>Nature Communications</i> , 2021, 12, 7106.	12.8	28
26	<i>In Vitro</i> Selection of Shape-Changing DNA Nanostructures Capable of Binding-Induced Cargo Release. <i>ACS Nano</i> , 2013, 7, 9675-9683.	14.6	26
27	Real-time monitoring of drug pharmacokinetics within tumor tissue in live animals. <i>Science Advances</i> , 2022, 8, eabk2901.	10.3	26
28	The field that came in from the cold. <i>Nature Methods</i> , 2016, 13, 19-22.	19.0	23
29	The battle for sequencing supremacy. <i>Nature Biotechnology</i> , 2012, 30, 1023-1026.	17.5	20
30	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.	7.1	20
31	Direct Selection Strategy for Isolating Aptamers with pH-Sensitive Binding Activity. <i>ACS Sensors</i> , 2018, 3, 2574-2580.	7.8	17
32	High-Throughput Discovery of Aptamers for Sandwich Assays. <i>Analytical Chemistry</i> , 2016, 88, 10842-10847.	6.5	14
33	Measuring Aptamer Folding Energy Using a Molecular Clamp. <i>Journal of the American Chemical Society</i> , 2020, 142, 11743-11749.	13.7	9
34	Up for grabs. <i>Nature Biotechnology</i> , 2010, 28, 544-546.	17.5	7
35	Personalized, sequencing-based immune profiling spurs startups. <i>Nature Biotechnology</i> , 2013, 31, 184-185.	17.5	7
36	Strategy for Generating Sequence-Defined Aptamer Reagent Sets for Detecting Protein Contaminants in Biotherapeutics. <i>Analytical Chemistry</i> , 2018, 90, 3262-3269.	6.5	7

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37	Companies 'going long' generate sequencing buzz at Marco Island. Nature Biotechnology, 2013, 31, 265-266.	17.5	6
38	Multiparameter Particle Display (MPPD): A Quantitative Screening Method for the Discovery of Highly Specific Aptamers. Angewandte Chemie, 2017, 129, 762-765.	2.0	6
39	Illumina swallows PacBio in long shot for market domination. Nature Biotechnology, 2019, 37, 3-4.	17.5	4
40	Comparing assays via the resolution of molecular concentration. Nature Biomedical Engineering, 2022, 6, 227-231.	22.5	4
41	Immune profiling players shift gear to guide cancer drug development. Nature Biotechnology, 2016, 34, 215-216.	17.5	1
42	Frontispiece: Particle Display: A Quantitative Screening Method for Generating High-Affinity Aptamers. Angewandte Chemie - International Edition, 2014, 53, n/a-n/a.	13.8	0