Michael Eisenstein

List of Publications by Year
in descending order

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 monitoring of drug pharmacokinetics within tumor tissue in live animals. Science Advances, 2022, 8, eabk2901.	10.3	26
2	Directed Evolution of Aptamer Discovery Technologies. Accounts of Chemical Research, 2022, 55, 685-695.	15.6	35
3	A system for multiplexed selection of aptamers with exquisite specificity without counterselection. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119945119.	7.1	20
4	Comparing assays via the resolution of molecular concentration. Nature Biomedical Engineering, 2022, 6, 227-231.	22.5	4
5	A fluorescence sandwich immunoassay for the real-time continuous detection of glucose and insulin in live animals. Nature Biomedical Engineering, 2021, 5, 53-63.	22.5	44
6	Accelerated Electron Transfer in Nanostructured Electrodes Improves the Sensitivity of Electrochemical Biosensors. Advanced Science, 2021, 8, e2102495.	11.2	32
7	Discovery of indole-modified aptamers for highly specific recognition of protein glycoforms. Nature Communications, 2021, 12, 7106.	12.8	28
8	Engineering Aptamer Switches for Multifunctional Stimulusâ€Responsive Nanosystems. Advanced Materials, 2020, 32, e2003704.	21.0	68
9	Measuring Aptamer Folding Energy Using a Molecular Clamp. Journal of the American Chemical Society, 2020, 142, 11743-11749.	13.7	9
10	Rational design of aptamer switches with programmable pH response. Nature Communications, 2020, 11, 2946.	12.8	45
11	Independent control of the thermodynamic and kinetic properties of aptamer switches. Nature Communications, 2019, 10, 5079.	12.8	62
12	Illumina swallows PacBio in long shot for market domination. Nature Biotechnology, 2019, 37, 3-4.	17.5	4
13	High-Fidelity Nanopore Sequencing of Ultra-Short DNA Targets. Analytical Chemistry, 2019, 91, 6783-6789.	6.5	50
14	Shape-based separation of synthetic microparticles. Nature Materials, 2019, 18, 82-89.	27.5	29
15	Direct Selection of Fluorescence-Enhancing RNA Aptamers. Journal of the American Chemical Society, 2018, 140, 3583-3591.	13.7	42
16	Strategy for Generating Sequence-Defined Aptamer Reagent Sets for Detecting Protein Contaminants in Biotherapeutics. Analytical Chemistry, 2018, 90, 3262-3269.	6.5	7
17	Direct Selection Strategy for Isolating Aptamers with pH-Sensitive Binding Activity. ACS Sensors, 2018, 3, 2574-2580.	7.8	17
18	Multiparameter Particle Display (MPPD): A Quantitative Screening Method for the Discovery of Highly Specific Aptamers. Angewandte Chemie - International Edition, 2017, 56, 744-747.	13.8	71

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19	Multiparameter Particle Display (MPPD): A Quantitative Screening Method for the Discovery of Highly Specific Aptamers. Angewandte Chemie, 2017, 129, 762-765.	2.0	6
20	Dual-reporter SERS-based biomolecular assay with reduced false-positive signals. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9056-9061.	7.1	67
21	High-Throughput Discovery of Aptamers for Sandwich Assays. Analytical Chemistry, 2016, 88, 10842-10847.	6.5	14
22	The field that came in from the cold. Nature Methods, 2016, 13, 19-22.	19.0	23
23	Immune profiling players shift gear to guide cancer drug development. Nature Biotechnology, 2016, 34, 215-216.	17.5	1
24	Thousand-Fold Volumetric Concentration of Live Cells with a Recirculating Acoustofluidic Device. Analytical Chemistry, 2015, 87, 8497-8502.	6.5	39
25	Array-based Discovery of Aptamer Pairs. Analytical Chemistry, 2015, 87, 821-828.	6.5	39
26	Startups use short-read data to expand long-read sequencing market. Nature Biotechnology, 2015, 33, 433-435.	17.5	48
27	Integrated Electrochemical Microsystems for Genetic Detection of Pathogens at the Point of Care. Accounts of Chemical Research, 2015, 48, 911-920.	15.6	135
28	Synthetic Aptamer-Polymer Hybrid Constructs for Programmed Drug Delivery into Specific Target Cells. Journal of the American Chemical Society, 2014, 136, 15010-15015.	13.7	110
29	Particle Display: A Quantitative Screening Method for Generating Highâ€Affinity Aptamers. Angewandte Chemie - International Edition, 2014, 53, 4796-4801.	13.8	96
30	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
31	Accurate Zygoteâ€Specific Discrimination of Singleâ€Nucleotide Polymorphisms Using Microfluidic Electrochemical DNA Melting Curves. Angewandte Chemie - International Edition, 2014, 53, 3163-3167.	13.8	29
32	Phenotypic effects of an induced mutation of the ObRa isoform of the leptin receptor. Molecular Metabolism, 2013, 2, 364-375.	6.5	49
33	Quantitative selection and parallel characterization of aptamers. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18460-18465.	7.1	115
34	Real-Time, Aptamer-Based Tracking of Circulating Therapeutic Agents in Living Animals. Science Translational Medicine, 2013, 5, 213ra165.	12.4	291
35	Personalized, sequencing-based immune profiling spurs startups. Nature Biotechnology, 2013, 31, 184-185.	17.5	7
36	In Vitro Selection of Shape-Changing DNA Nanostructures Capable of Binding-Induced Cargo Release. ACS Nano, 2013, 7, 9675-9683.	14.6	26

#	Article	IF	Citations
37	Companies 'going long' generate sequencing buzz at Marco Island. Nature Biotechnology, 2013, 31, 265-266.	17.5	6
38	The battle for sequencing supremacy. Nature Biotechnology, 2012, 30, 1023-1026.	17.5	20
39	Oxford Nanopore announcement sets sequencing sector abuzz. Nature Biotechnology, 2012, 30, 295-296.	17.5	156
40	Up for grabs. Nature Biotechnology, 2010, 28, 544-546.	17.5	7
41	The secreted glycoprotein CREG enhances differentiation of NTERA-2 human embryonal carcinoma cells. Oncogene, 2000, 19, 2120-2128.	5.9	76
42	A Cellular Repressor of E1A-Stimulated Genes That Inhibits Activation by E2F. Molecular and Cellular Biology, 1998, 18, 5032-5041.	2.3	87