

Assaf Rotem

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

3,160
citations

394421

19
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

5193
citing authors

#	ARTICLE	IF	CITATIONS
1	Loop-Mediated Isothermal Amplification Detection of SARS-CoV-2 and Myriad Other Applications. <i>Journal of Biomolecular Techniques</i> , 2021, 32, 228-275.	1.5	28
2	Direct on-the-spot detection of SARS-CoV-2 in patients. <i>Experimental Biology and Medicine</i> , 2020, 245, 1187-1193.	2.4	33
3	MAFG-driven astrocytes promote CNS inflammation. <i>Nature</i> , 2020, 578, 593-599.	27.8	282
4	A Protocol for Simple, Rapid, and Direct Detection of SARS-CoV-2 from clinical samples, using Reverse Transcribed Loop-Mediated Isothermal Amplification (RT-LAMP). <i>Bio-protocol</i> , 2020, 10, e3789.	0.4	0
5	Evolution on the Biophysical Fitness Landscape of an RNA Virus. <i>Molecular Biology and Evolution</i> , 2018, 35, 2390-2400.	8.9	45
6	External Excitation of Neurons Using Electric and Magnetic Fields in One- and Two-dimensional Cultures. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	5
7	Artifact-Free Quantification and Sequencing of Rare Recombinant Viruses by Using Drop-Based Microfluidics. <i>ChemBioChem</i> , 2015, 16, 2167-2171.	2.6	28
8	Whole-Genome Sequencing of a Single Viral Species from a Highly Heterogeneous Sample. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13985-13988.	13.8	17
9	Chronaxie Measurements in Patterned Neuronal Cultures from Rat Hippocampus. <i>PLoS ONE</i> , 2015, 10, e0132577.	2.5	22
10	Isolation and Analysis of Rare Norovirus Recombinants from Coinfected Mice Using Drop-Based Microfluidics. <i>Journal of Virology</i> , 2015, 89, 7722-7734.	3.4	32
11	A high-throughput drop microfluidic system for virus culture and analysis. <i>Journal of Virological Methods</i> , 2015, 213, 111-117.	2.1	28
12	Single-cell ChIP-seq reveals cell subpopulations defined by chromatin state. <i>Nature Biotechnology</i> , 2015, 33, 1165-1172.	17.5	748
13	Rapid, targeted and culture-free viral infectivity assay in drop-based microfluidics. <i>Lab on A Chip</i> , 2015, 15, 3934-3940.	6.0	53
14	High-Throughput Single-Cell Labeling (Hi-SCL) for RNA-Seq Using Drop-Based Microfluidics. <i>PLoS ONE</i> , 2015, 10, e0116328.	2.5	64
15	Solving the Orientation Specific Constraints in Transcranial Magnetic Stimulation by Rotating Fields. <i>PLoS ONE</i> , 2014, 9, e86794.	2.5	21
16	Cross-Kingdom Chemical Communication Drives a Heritable, Mutually Beneficial Prion-Based Transformation of Metabolism. <i>Cell</i> , 2014, 158, 1083-1093.	28.9	158
17	DNA sequence analysis with droplet-based microfluidics. <i>Lab on A Chip</i> , 2013, 13, 4864.	6.0	103
18	Droplet microfluidics for high-throughput biological assays. <i>Lab on A Chip</i> , 2012, 12, 2146.	6.0	854

#	ARTICLE	IF	CITATIONS
19	Drop formation in non-planar microfluidic devices. Lab on A Chip, 2012, 12, 4263.	6.0	88
20	High throughput production of single core double emulsions in a parallelized microfluidic device. Lab on A Chip, 2012, 12, 802.	6.0	241
21	Synthesis of Monodisperse Microparticles from Non-Newtonian Polymer Solutions with Microfluidic Devices. Advanced Materials, 2011, 23, 1757-1760.	21.0	96
22	Efficient encapsulation with plug-triggered drop formation. Physical Review E, 2011, 84, 031502.	2.1	13
23	Reliable neuronal logic devices from patterned hippocampal cultures. Nature Physics, 2008, 4, 967-973.	16.7	138
24	Magnetic Stimulation of One-Dimensional Neuronal Cultures. Biophysical Journal, 2008, 94, 5065-5078.	0.5	57