

Erel Levine

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

972

citations

14

h-index

30

g-index

30

ext. papers

1,139

ext. citations

6.8

avg, IF

4.38

L-index

#	Paper	IF	Citations
26	Quantitative characteristics of gene regulation by small RNA. <i>PLoS Biology</i> , 2007 , 5, e229	9.7	305
25	Small RNAs establish gene expression thresholds. <i>Current Opinion in Microbiology</i> , 2008 , 11, 574-9	7.9	108
24	Stochastic fluctuations in metabolic pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9224-9	11.5	91
23	Small regulatory RNAs may sharpen spatial expression patterns. <i>PLoS Computational Biology</i> , 2007 , 3, e233	5	79
22	Target-specific and global effectors in gene regulation by MicroRNA. <i>Biophysical Journal</i> , 2007 , 93, L52-42.9	4.9	44
21	Homeostasis in <i>C. elegans</i> sleep is characterized by two behaviorally and genetically distinct mechanisms. <i>ELife</i> , 2014 , 3, e04380	8.9	42
20	Durable spatiotemporal surveillance of <i>Caenorhabditis elegans</i> response to environmental cues. <i>Lab on A Chip</i> , 2014 , 14, 764-70	7.2	40
19	Serotonin-dependent kinetics of feeding bursts underlie a graded response to food availability in <i>C. elegans</i> . <i>Nature Communications</i> , 2017 , 8, 14221	17.4	39
18	Sort-seq under the hood: implications of design choices on large-scale characterization of sequence-function relations. <i>BMC Genomics</i> , 2016 , 17, 206	4.5	32
17	Small RNA biology is systems biology. <i>BMB Reports</i> , 2011 , 44, 11-21	5.5	30
16	Serotonin promotes exploitation in complex environments by accelerating decision-making. <i>BMC Biology</i> , 2016 , 14, 9	7.3	28
15	Large-scale mapping of sequence-function relations in small regulatory RNAs reveals plasticity and modularity. <i>Nucleic Acids Research</i> , 2014 , 42, 12177-88	20.1	25
14	A scalable method for automatically measuring pharyngeal pumping in <i>C. elegans</i> . <i>Journal of Neuroscience Methods</i> , 2016 , 274, 172-178	3	23
13	Regulating the many to benefit the few: role of weak small RNA targets. <i>Biophysical Journal</i> , 2013 , 104, 1773-82	2.9	19
12	Sub-cellular mRNA localization modulates the regulation of gene expression by small RNAs in bacteria. <i>Physical Biology</i> , 2017 , 14, 056001	3	12
11	Stochastic feeding dynamics arise from the need for information and energy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9261-9266	11.5	11
10	Quantitative effect of target translation on small RNA efficacy reveals a novel mode of interaction. <i>Nucleic Acids Research</i> , 2014 , 42, 12200-11	20.1	10

9	Dynamics of translation can determine the spatial organization of membrane-bound proteins and their mRNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 13424-13429	11.5	9
8	HandKChip - Hands-free killing assay on a chip. <i>Scientific Reports</i> , 2016 , 6, 35862	4.9	6
7	Microfluidic approaches for research. <i>Animal Cells and Systems</i> , 2020 , 24, 311-320	2.3	5
6	Exploring the miRNA regulatory network using evolutionary correlations. <i>PLoS Computational Biology</i> , 2014 , 10, e1003860	5	5
5	Mechanisms of fast and stringent search in homologous pairing of double-stranded DNA. <i>PLoS Computational Biology</i> , 2017 , 13, e1005421	5	5
4	A Microfluidic Platform for Longitudinal Imaging in <i>Caenorhabditis elegans</i> . <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	2
3	Dynamics of Heat Shock Detection and Response in the Intestine of <i>Caenorhabditis elegans</i>		1
2	A Primer on Quantitative Modeling. <i>Methods in Molecular Biology</i> , 2015 , 1327, 241-50	1.4	1
1	Primer on Mathematical Modeling in <i>C. elegans</i> .. <i>Methods in Molecular Biology</i> , 2022 , 2468, 375-386	1.4	