

# Leonid Peshkin

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

17,934  
citations

393982

19  
h-index

360668

35  
g-index

58  
all docs

58  
docs citations

58  
times ranked

43084  
citing authors

#	ARTICLE	IF	CITATIONS
1	A method and server for predicting damaging missense mutations. <i>Nature Methods</i> , 2010, 7, 248-249.	9.0	11,491
2	Droplet Barcoding for Single-Cell Transcriptomics Applied to Embryonic Stem Cells. <i>Cell</i> , 2015, 161, 1187-1201.	13.5	2,857
3	A Tissue-Mapped Axolotl De Novo Transcriptome Enables Identification of Limb Regeneration Factors. <i>Cell Reports</i> , 2017, 18, 762-776.	2.9	752
4	The dynamics of gene expression in vertebrate embryogenesis at single-cell resolution. <i>Science</i> , 2018, 360, .	6.0	471
5	A Noncanonical Frizzled2 Pathway Regulates Epithelial-Mesenchymal Transition and Metastasis. <i>Cell</i> , 2014, 159, 844-856.	13.5	296
6	Deep Proteomics of the <i>Xenopus laevis</i> Egg using an mRNA-Derived Reference Database. <i>Current Biology</i> , 2014, 24, 1467-1475.	1.8	234
7	Hemichordate genomes and deuterostome origins. <i>Nature</i> , 2015, 527, 459-465.	13.7	217
8	A public resource facilitating clinical use of genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11920-11927.	3.3	194
9	Mapping Gene Expression in Two <i>Xenopus</i> Species: Evolutionary Constraints and Developmental Flexibility. <i>Developmental Cell</i> , 2011, 20, 483-496.	3.1	187
10	Resveratrol Prevents High Fat/Sucrose Diet-Induced Central Arterial Wall Inflammation and Stiffening in Nonhuman Primates. <i>Cell Metabolism</i> , 2014, 20, 183-190.	7.2	186
11	On the Relationship of Protein and mRNA Dynamics in Vertebrate Embryonic Development. <i>Developmental Cell</i> , 2015, 35, 383-394.	3.1	182
12	Effects of temperature on gene expression in embryos of the coral <i>Montastraea faveolata</i> . <i>BMC Genomics</i> , 2009, 10, 627.	1.2	140
13	Accurate Multiplexed Proteomics at the MS2 Level Using the Complement Reporter Ion Cluster. <i>Analytical Chemistry</i> , 2012, 84, 9214-9221.	3.2	138
14	The Nuclear Proteome of a Vertebrate. <i>Current Biology</i> , 2015, 25, 2663-2671.	1.8	117
15	Exploiting polypharmacology for drug target deconvolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5048-5053.	3.3	95
16	Remodeling of the Metabolome during Early Frog Development. <i>PLoS ONE</i> , 2011, 6, e16881.	1.1	59
17	Proteomics of phosphorylation and protein dynamics during fertilization and meiotic exit in the <i>Xenopus</i> egg. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10838-E10847.	3.3	43
18	Computationally enhanced quantitative phase microscopy reveals autonomous oscillations in mammalian cell growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27388-27399.	3.3	32

#	ARTICLE	IF	CITATIONS
19	YAP regulates cell size and growth dynamics via non-cell autonomous mediators. <i>ELife</i> , 2020, 9, .	2.8	28
20	Bayesian Confidence Intervals for Multiplexed Proteomics Integrate Ion-statistics with Peptide Quantification Concordance* [S]. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 2108-2120.	2.5	23
21	Vascular Disrupting Agent Drug Classes Differ in Effects on the Cytoskeleton. <i>PLoS ONE</i> , 2012, 7, e40177.	1.1	22
22	Structure induction by lossless graph compression. , 2007, , .		16
23	Luteinizing Hormone is an effective replacement for hCG to induce ovulation in <i>Xenopus</i> . <i>Developmental Biology</i> , 2017, 426, 442-448.	0.9	15
24	Integration of mtDNA pseudogenes into the nuclear genome coincides with speciation of the human genus. A hypothesis. <i>Mitochondrion</i> , 2017, 34, 20-23.	1.6	13
25	Bioinformatics Screening of Genes Specific for Well-Regenerating Vertebrates Reveals c-answer, a Regulator of Brain Development and Regeneration. <i>Cell Reports</i> , 2019, 29, 1027-1040.e6.	2.9	12
26	Transcriptomic insights into genetic diversity of protein-coding genes in <i>X. laevis</i> . <i>Developmental Biology</i> , 2017, 424, 181-188.	0.9	10
27	Intelligent high-throughput intervention testing platform in <i>Daphnia</i> . <i>Aging Cell</i> , 2022, 21, e13571.	3.0	9
28	Bounds on Sample Size for Policy Evaluation in Markov Environments. <i>Lecture Notes in Computer Science</i> , 2001, , 616-629.	1.0	7
29	Mitochondrial Pseudogenes Suggest Repeated Inter-Species Hybridization among Direct Human Ancestors. <i>Genes</i> , 2022, 13, 810.	1.0	5
30	Data on the time of integration of the human mitochondrial pseudogenes (NUMTs) into the nuclear genome. <i>Data in Brief</i> , 2017, 13, 536-544.	0.5	4
31	Bayesian nets in syntactic categorization of novel words. , 2003, , .		4
32	On the embryonic cell division beyond the contractile ring mechanism: experimental and computational investigation of effects of vitelline confinement, temperature and egg size. <i>PeerJ</i> , 2015, 3, e1490.	0.9	4
33	Lack of age-related respiratory changes in <i>Daphnia</i> . <i>Biogerontology</i> , 2022, 23, 85-97.	2.0	4
34	Developing immortal cell lines from <i>Xenopus</i> embryos <i>, </i> four novel cell lines derived from <i>Xenopus tropicalis</i> . <i>Open Biology</i> , 2022, 12, .	1.5	4
35	A cell type annotation Jamboree” Revival of Ð° communal science forum. <i>Genesis</i> , 2020, 58, e23383.	0.8	3
36	Quantitative Proteomics Reveals Remodeling of Protein Repertoire Across Life Phases of <i>Daphnia pulex</i> . <i>Proteomics</i> , 2019, 19, e1900155.	1.3	2

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37	Toward an unbiased evolutionary platform for unraveling <i>Xenopus</i> developmental gene networks. <i>Genesis</i> , 2012, 50, 186-191.	0.8	1
38	Bioinformatic Screening of Genes Present Only in Well Regenerating Vertebrates Reveals Novel FGF and Purinergic Signaling Modulator - C-Answer. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0