Leonid Peshkin

List of Publications by Year
in descending order

38 papers	17,934 citations	394421 19 h-index	361022 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. Nature Methods, 2010, 7, 248-249.	19.0	11,491
2	Droplet Barcoding for Single-Cell Transcriptomics Applied to Embryonic Stem Cells. Cell, 2015, 161, 1187-1201.	28.9	2,857
3	A Tissue-Mapped Axolotl De Novo Transcriptome Enables Identification of Limb Regeneration Factors. Cell Reports, 2017, 18, 762-776.	6.4	752
4	The dynamics of gene expression in vertebrate embryogenesis at single-cell resolution. Science, 2018, 360, .	12.6	471
5	A Noncanonical Frizzled2 Pathway Regulates Epithelial-Mesenchymal Transition and Metastasis. Cell, 2014, 159, 844-856.	28.9	296
6	Deep Proteomics of the Xenopus laevis Egg using an mRNA-Derived Reference Database. Current Biology, 2014, 24, 1467-1475.	3.9	234
7	Hemichordate genomes and deuterostome origins. Nature, 2015, 527, 459-465.	27.8	217
8	A public resource facilitating clinical use of genomes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11920-11927.	7.1	194
9	Mapping Gene Expression in Two Xenopus Species: Evolutionary Constraints and Developmental Flexibility. Developmental Cell, 2011, 20, 483-496.	7.0	187
10	Resveratrol Prevents High Fat/Sucrose Diet-Induced Central Arterial Wall Inflammation and Stiffening in Nonhuman Primates. Cell Metabolism, 2014, 20, 183-190.	16.2	186
11	On the Relationship of Protein and mRNA Dynamics in Vertebrate Embryonic Development. Developmental Cell, 2015, 35, 383-394.	7.0	182
12	Effects of temperature on gene expression in embryos of the coral Montastraea faveolata. BMC Genomics, 2009, 10, 627.	2.8	140
13	Accurate Multiplexed Proteomics at the MS2 Level Using the Complement Reporter Ion Cluster. Analytical Chemistry, 2012, 84, 9214-9221.	6.5	138
14	The Nuclear Proteome of a Vertebrate. Current Biology, 2015, 25, 2663-2671.	3.9	117
15	Exploiting polypharmacology for drug target deconvolution. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5048-5053.	7.1	95
16	Remodeling of the Metabolome during Early Frog Development. PLoS ONE, 2011, 6, e16881.	2.5	59
17	Proteomics of phosphorylation and protein dynamics during fertilization and meiotic exit in the <i>Xenopus</i> egg. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10838-E10847.	7.1	43
18	Computationally enhanced quantitative phase microscopy reveals autonomous oscillations in mammalian cell growth. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27388-27399.	7.1	32

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19	YAP regulates cell size and growth dynamics via non-cell autonomous mediators. ELife, 2020, 9, .	6.0	28
20	Bayesian Confidence Intervals for Multiplexed Proteomics Integrate Ion-statistics with Peptide Quantification Concordance*[S]. Molecular and Cellular Proteomics, 2019, 18, 2108-2120.	3.8	23
21	Vascular Disrupting Agent Drug Classes Differ in Effects on the Cytoskeleton. PLoS ONE, 2012, 7, e40177.	2.5	22
22	Structure induction by lossless graph compression. , 2007, , .		16
23	Luteinizing Hormone is an effective replacement for hCG to induce ovulation in Xenopus. Developmental Biology, 2017, 426, 442-448.	2.0	15
24	Integration of mtDNA pseudogenes into the nuclear genome coincides with speciation of the human genus. A hypothesis. Mitochondrion, 2017, 34, 20-23.	3.4	13
25	Bioinformatics Screening of Genes Specific for Well-Regenerating Vertebrates Reveals c-answer, a Regulator of Brain Development and Regeneration. Cell Reports, 2019, 29, 1027-1040.e6.	6.4	12
26	Transcriptomic insights into genetic diversity of protein-coding genes in X. laevis. Developmental Biology, 2017, 424, 181-188.	2.0	10
27	Intelligent high–throughput intervention testing platform in <i>Daphnia</i>. Aging Cell, 2022, 21, e13571.	6.7	9
28	Bounds on Sample Size for Policy Evaluation in Markov Environments. Lecture Notes in Computer Science, 2001, , 616-629.	1.3	7
29	Mitochondrial Pseudogenes Suggest Repeated Inter-Species Hybridization among Direct Human Ancestors. Genes, 2022, 13, 810.	2.4	5
30	Data on the time of integration of the human mitochondrial pseudogenes (NUMTs) into the nuclear genome. Data in Brief, 2017, 13, 536-544.	1.0	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. PeerJ, 2015, 3, e1490.	2.0	4
33	Lack of age-related respiratory changes in Daphnia. Biogerontology, 2022, 23, 85-97.	3.9	4
34	Developing immortal cell lines from <i>Xenopus</i> embryos <i>,</i> four novel cell lines derived from <i>Xenopus tropicalis</i>. Open Biology, 2022, 12, .	3.6	4
35	A cell type annotation Jamboree—Revival of а communal science forum. Genesis, 2020, 58, e23383.	1.6	3
36	Quantitative Proteomics Reveals Remodeling of Protein Repertoire Across Life Phases of <i>Daphnia pulex</i>. Proteomics, 2019, 19, e1900155.	2.2	2

#	Article	IF	Citations
37	Toward an unbiased evolutionary platform for unraveling *Xenopus* developmental gene networks. Genesis, 2012, 50, 186-191.	1.6	1
38	Bioinformatic Screening of Genes Present Only in Well Regenerating Vertebrates Reveals Novel FGF and Purinergic Signaling Modulator - C-Answer. SSRN Electronic Journal, 0, , .	0.4	0