Nicholas E Baker

List of Publications by Year
in descending order

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Version: 2024-02-01

51 papers	2,337 citations	279798 23 h-index	223800 46 g-index
61 all docs	61 docs citations	61 times ranked	2020 citing authors

#	Article	IF	Citations
1	Engulfment Is Required for Cell Competition. Cell, 2007, 129, 1215-1225.	28.9	213
2	Evolution of proneural atonal expression during distinct regulatory phases in the developing Drosophila eye. Current Biology, 1996, 6, 1290-1302.	3.9	170
3	Genes Affecting Cell Competition in Drosophila. Genetics, 2007, 175, 643-657.	2.9	168
4	Emerging mechanisms of cell competition. Nature Reviews Genetics, 2020, 21, 683-697.	16.3	140
5	Extracellular Signals Responsible for Spatially Regulated Proliferation in the Differentiating Drosophila Eye. Developmental Cell, 2005, 8, 541-551.	7.0	133
6	E Proteins and ID Proteins: Helix-Loop-Helix Partners in Development and Disease. Developmental Cell, 2015, 35, 269-280.	7.0	129
7	Proneural enhancement by Notch overcomes Suppressor-of-Hairless repressor function in the developing Drosophila eye. Current Biology, 2001, 11, 330-338.	3.9	88
8	A Regulatory Response to Ribosomal Protein Mutations Controls Translation, Growth, and Cell Competition. Developmental Cell, 2018, 46, 456-469.e4.	7.0	86
9	Patterning signals and proliferation in Drosophila imaginal discs. Current Opinion in Genetics and Development, 2007, 17, 287-293.	3.3	84
10	Notch signaling in the nervous system. Pieces still missing from the puzzle. BioEssays, 2000, 22, 264-273.	2.5	80
11	A Network of Broadly Expressed HLH Genes Regulates Tissue-Specific Cell Fates. Cell, 2011, 147, 881-892.	28.9	76
12	Cell Competition and Its Possible Relation to Cancer. Cancer Research, 2008, 68, 5505-5507.	0.9	75
13	Deciphering synergistic and redundant roles of Hedgehog, Decapentaplegic and Delta that drive the wave of differentiation in Drosophila eye development. Development (Cambridge), 2003, 130, 5229-5239.	2.5	70
14	All in the family: proneural bHLH genes and neuronal diversity. Development (Cambridge), 2018, 145, .	2.5	70
15	Cell competition. Current Biology, 2011, 21, R11-R15.	3.9	59
16	Oriented Cell Division as a Response to Cell Death and Cell Competition. Current Biology, 2009, 19, 1821-1826.	3.9	51
17	Mechanisms of cell competition emerging from Drosophila studies. Current Opinion in Cell Biology, 2017, 48, 40-46.	5.4	47
18	Retinal determination genes as targets and possible effectors of extracellular signals. Developmental Biology, 2009, 327, 366-375.	2.0	44

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19	Ribosomal Protein S12e Has a Distinct Function in Cell Competition. Developmental Cell, 2018, 44, 42-55.e4.	7.0	43
20	DrosophilaÂRpS12 controls translation, growth, and cell competition through Xrp1. PLoS Genetics, 2019, 15, e1008513.	3.5	41
21	The HLH protein Extramacrochaetae is required for R7 cell and cone cell fates in the Drosophila eye. Developmental Biology, 2009, 327, 288-300.	2.0	40
22	Roles of C/EBP class bZip proteins in the growth and cell competition of Rp (â€˜Minuteâ€™) mutants in Drosophila. ELife, 2020, 9, .	6.0	37
23	Eye development. Methods, 2014, 68, 252-259.	3.8	29
24	Master regulatory genes; telling them what to do. BioEssays, 2001, 23, 763-766.	2.5	26
25	Whole-Genome Sequencing and iPLEX MassARRAY Genotyping Map an EMS-Induced Mutation Affecting Cell Competition in Drosophila melanogaster. G3: Genes, Genomes, Genetics, 2016, 6, 3207-3217.	1.8	26
26	A potential link between p53, cell competition and ribosomopathy in mammals and in Drosophila. Developmental Biology, 2019, 446, 17-19.	2.0	26
27	Cell competition removes segmental aneuploid cells from Drosophila imaginal disc-derived tissues based on ribosomal protein gene dose. ELife, 2021, 10, .	6.0	25
28	Spitz from the retina regulates genes transcribed in the second mitotic wave, peripodial epithelium, glia and plasmatocytes of the Drosophila eye imaginal disc. Developmental Biology, 2007, 307, 521-538.	2.0	22
29	Characterization of the Molecular Basis of the Drosophila Mutations in Carboxypeptidase D. Journal of Biological Chemistry, 2006, 281, 13844-13852.	3.4	20
30	Regulation of Hh signal transduction as Drosophila eye differentiation progresses. Developmental Biology, 2009, 335, 356-366.	2.0	20
31	Functional Analysis of the Fibrinogen-Related scabrous Gene From Drosophila melanogaster Identifies Potential Effector and Stimulatory Protein Domains. Genetics, 1998, 150, 663-673.	2.9	20
32	Mitosis in Neurons: Roughex and APC/C Maintain Cell Cycle Exit to Prevent Cytokinetic and Axonal Defects in Drosophila Photoreceptor Neurons. PLoS Genetics, 2012, 8, e1003049.	3.5	19
33	The transcription factor Xrp1 orchestrates both reduced translation and cell competition upon defective ribosome assembly or function. ELife, 2022, 11, .	6.0	19
34	Retinal determination genes function along with cellâ€cell signals to regulate Drosophila eye development. BioEssays, 2011, 33, 538-546.	2.5	18
35	Salvador-Warts-Hippo Pathway in a Developmental Checkpoint Monitoring Helix-Loop-Helix Proteins. Developmental Cell, 2015, 32, 191-202.	7.0	16
36	NOTCH and the Patterning of Ommatidial Founder Cells in the Developing Drosophila Eye. Results and Problems in Cell Differentiation, 2002, 37, 35-58.	0.7	16

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37	Developmental Regulation of Nucleolus Size during Drosophila Eye Differentiation. PLoS ONE, 2013, 8, e58266.	2.5	15
38	Regulation of the Drosophila ID protein Extra macrochaetae by proneural dimerization partners. ELife, 2018, 7, .	6.0	14
39	Mutations in ribosomal proteins: Apoptosis, cell competition, and cancer. Molecular and Cellular Oncology, 2016, 3, e1029065.	0.7	9
40	Signaling by the Engulfment Receptor Draper: A Screen in Drosophila melanogaster Implicates Cytoskeletal Regulators, Jun N-Terminal Kinase, and Yorkie. Genetics, 2015, 199, 117-134.	2.9	8
41	Salvadorâ€“Wartsâ€“Hippo pathway regulates sensory organ development via caspase-dependent nonapoptotic signaling. Cell Death and Disease, 2019, 10, 669.	6.3	8
42	Atonal Points the Wayâ€” Protein-Protein Interactions and Developmental Biology. Developmental Cell, 2004, 7, 632-634.	7.0	6
43	Proximodistal Patterning in the Drosophila Leg: Models and Mutations. Genetics, 2011, 187, 1003-1010.	2.9	6
44	Spatial regulation of expanded transcription in the Drosophila wing imaginal disc. PLoS ONE, 2018, 13, e0201317.	2.5	4
45	Transcriptional and post-transcriptional regulation of extra macrochaetae during Drosophila adult peripheral neurogenesis. Developmental Biology, 2019, 449, 41-51.	2.0	4
46	New regulators ofDrosophilaeye development identified from temporal transcriptome changes. Genetics, 2021, 217, .	2.9	3
47	Local Cell Death Changes the Orientation of Cell Division in the Developing Drosophila Wing Imaginal Disc Without Using Fat or Dachsous as Orienting Signals. PLoS ONE, 2016, 11, e0167637.	2.5	2
48	The Notch pathway regulates the Second Mitotic Wave cell cycle independently of bHLH proteins. Developmental Biology, 2017, 431, 309-320.	2.0	2
49	Patterning the eye: A role for the cell cycle?. Developmental Biology, 2017, 430, 263-265.	2.0	1
50	Metabolism and the Other Fat: A Protocadherin in Mitochondria. Cell, 2014, 158, 1240-1241.	28.9	0
51	Tumor evolution: Multiple induction mechanisms for cell competition. Molecular and Cellular Oncology, 2018, 5, e1481812.	0.7	0