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	The transcription factor Xrp1 orchestrates both reduced translation and cell competition upon defective ribosome assembly or function. ELife, 2022, 11, .	6.0	19
2	New regulators ofDrosophilaeye development identified from temporal transcriptome changes. Genetics, 2021, 217, .	2.9	3
3	Cell competition removes segmental aneuploid cells from Drosophila imaginal disc-derived tissues based on ribosomal protein gene dose. ELife, 2021, 10, .	6.0	25
4	Emerging mechanisms of cell competition. Nature Reviews Genetics, 2020, 21, 683-697.	16.3	140
5	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
6	Salvadorâ€“Wartsâ€“Hippo pathway regulates sensory organ development via caspase-dependent nonapoptotic signaling. Cell Death and Disease, 2019, 10, 669.	6.3	8
7	Transcriptional and post-transcriptional regulation of extra macrochaetae during Drosophila adult peripheral neurogenesis. Developmental Biology, 2019, 449, 41-51.	2.0	4
8	DrosophilaÂRpS12 controls translation, growth, and cell competition through Xrp1. PLoS Genetics, 2019, 15, e1008513.	3.5	41
9	A potential link between p53, cell competition and ribosomopathy in mammals and in Drosophila. Developmental Biology, 2019, 446, 17-19.	2.0	26
10	Ribosomal Protein S12e Has a Distinct Function in Cell Competition. Developmental Cell, 2018, 44, 42-55.e4.	7.0	43
11	All in the family: proneural bHLH genes and neuronal diversity. Development (Cambridge), 2018, 145, .	2.5	70
12	Tumor evolution: Multiple induction mechanisms for cell competition. Molecular and Cellular Oncology, 2018, 5, e1481812.	0.7	0
13	A Regulatory Response to Ribosomal Protein Mutations Controls Translation, Growth, and Cell Competition. Developmental Cell, 2018, 46, 456-469.e4.	7.0	86
14	Spatial regulation of expanded transcription in the Drosophila wing imaginal disc. PLoS ONE, 2018, 13, e0201317.	2.5	4
15	Regulation of the Drosophila ID protein Extra macrochaetae by proneural dimerization partners. ELife, 2018, 7, .	6.0	14
16	Mechanisms of cell competition emerging from Drosophila studies. Current Opinion in Cell Biology, 2017, 48, 40-46.	5.4	47
17	The Notch pathway regulates the Second Mitotic Wave cell cycle independently of bHLH proteins. Developmental Biology, 2017, 431, 309-320.	2.0	2
18	Patterning the eye: A role for the cell cycle?. Developmental Biology, 2017, 430, 263-265.	2.0	1

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19	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
20	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
21	Mutations in ribosomal proteins: Apoptosis, cell competition, and cancer. Molecular and Cellular Oncology, 2016, 3, e1029065.	0.7	9
22	Salvador-Warts-Hippo Pathway in a Developmental Checkpoint Monitoring Helix-Loop-Helix Proteins. Developmental Cell, 2015, 32, 191-202.	7.0	16
23	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
24	E Proteins and ID Proteins: Helix-Loop-Helix Partners in Development and Disease. Developmental Cell, 2015, 35, 269-280.	7.0	129
25	Eye development. Methods, 2014, 68, 252-259.	3.8	29
26	Metabolism and the Other Fat: A Protocadherin in Mitochondria. Cell, 2014, 158, 1240-1241.	28.9	0
27	Developmental Regulation of Nucleolus Size during Drosophila Eye Differentiation. PLoS ONE, 2013, 8, e58266.	2.5	15
28	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
29	A Network of Broadly Expressed HLH Genes Regulates Tissue-Specific Cell Fates. Cell, 2011, 147, 881-892.	28.9	76
30	Cell competition. Current Biology, 2011, 21, R11-R15.	3.9	59
31	Retinal determination genes function along with cellâ€cell signals to regulate Drosophila eye development. BioEssays, 2011, 33, 538-546.	2.5	18
32	Proximodistal Patterning in the Drosophila Leg: Models and Mutations. Genetics, 2011, 187, 1003-1010.	2.9	6
33	Oriented Cell Division as a Response to Cell Death and Cell Competition. Current Biology, 2009, 19, 1821-1826.	3.9	51
34	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
35	Retinal determination genes as targets and possible effectors of extracellular signals. Developmental Biology, 2009, 327, 366-375.	2.0	44
36	Regulation of Hh signal transduction as Drosophila eye differentiation progresses. Developmental Biology, 2009, 335, 356-366.	2.0	20

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37	Cell Competition and Its Possible Relation to Cancer. Cancer Research, 2008, 68, 5505-5507.	0.9	75
38	Genes Affecting Cell Competition in Drosophila. Genetics, 2007, 175, 643-657.	2.9	168
39	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
40	Engulfment Is Required for Cell Competition. Cell, 2007, 129, 1215-1225.	28.9	213
41	Patterning signals and proliferation in Drosophila imaginal discs. Current Opinion in Genetics and Development, 2007, 17, 287-293.	3.3	84
42	Characterization of the Molecular Basis of the Drosophila Mutations in Carboxypeptidase D. Journal of Biological Chemistry, 2006, 281, 13844-13852.	3.4	20
43	Extracellular Signals Responsible for Spatially Regulated Proliferation in the Differentiating Drosophila Eye. Developmental Cell, 2005, 8, 541-551.	7.0	133
44	Atonal Points the Wayâ€" Protein-Protein Interactions and Developmental Biology. Developmental Cell, 2004, 7, 632-634.	7.0	6
45	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
46	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
47	Master regulatory genes; telling them what to do. BioEssays, 2001, 23, 763-766.	2.5	26
48	Proneural enhancement by Notch overcomes Suppressor-of-Hairless repressor function in the developing Drosophila eye. Current Biology, 2001, 11, 330-338.	3.9	88
49	Notch signaling in the nervous system. Pieces still missing from the puzzle. BioEssays, 2000, 22, 264-273.	2.5	80
50	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
51	Evolution of proneural atonal expression during distinct regulatory phases in the developing Drosophila eye. Current Biology, 1996, 6, 1290-1302.	3.9	170