Eduardo Moreno Lampaya

List of Publications by Year
in descending order

60 papers	4,672 citations	136950 32 h-index	128289 60 g-index
68 all docs	68 docs citations	68 times ranked	3531 citing authors

#	Article	IF	Citations
1	dMyc Transforms Cells into Super-Competitors. Cell, 2004, 117, 117-129.	28.9	534
2	Visualization of Gene Expression in Living Adult Drosophila. Science, 1996, 274, 252-255.	12.6	482
3	Cells compete for Decapentaplegic survival factor to prevent apoptosis in Drosophila wing development. Nature, 2002, 416, 755-759.	27.8	410
4	Evolution of TNF Signaling Mechanisms. Current Biology, 2002, 12, 1263-1268.	3.9	342
5	Flower Forms an Extracellular Code that Reveals the Fitness of a Cell to its Neighbors in Drosophila. Developmental Cell, 2010, 18, 985-998.	7.0	189
6	Tissue Crowding Induces Caspase-Dependent Competition for Space. Current Biology, 2016, 26, 670-677.	3.9	179
7	Is cell competition relevant to cancer?. Nature Reviews Cancer, 2008, 8, 141-147.	28.4	176
8	Elimination of Unfit Cells Maintains Tissue Health and Prolongs Lifespan. Cell, 2015, 160, 461-476.	28.9	138
9	Mechanisms of cell competition: Themes and variations. Journal of Cell Biology, 2013, 200, 689-698.	5.2	128
10	Caudal is the Hox gene that specifies the most posterior Drosophile segment. Nature, 1999, 400, 873-877.	27.8	125
11	Cell mixing induced by myc is required for competitive tissue invasion and destruction. Nature, 2015, 524, 476-480.	27.8	123
12	Survival of the Fittest: Essential Roles of Cell Competition in Development, Aging, and Cancer. Trends in Cell Biology, 2016, 26, 776-788.	7.9	121
13	Drosophila SPARC Is a Self-Protective Signal Expressed by Loser Cells during Cell Competition. Developmental Cell, 2010, 19, 562-573.	7.0	115
14	The Biocide Triclosan Selects Stenotrophomonas maltophilia Mutants That Overproduce the SmeDEF Multidrug Efflux Pump. Antimicrobial Agents and Chemotherapy, 2005, 49, 781-782.	3.2	108
15	Competition for Space Induces Cell Elimination through Compaction-Driven ERK Downregulation. Current Biology, 2019, 29, 23-34.e8.	3.9	100
16	Flower isoforms promote competitive growth inÂcancer. Nature, 2019, 572, 260-264.	27.8	96
17	The brinker gradient controls wing growth in Drosophila. Development (Cambridge), 2004, 131, 4921-4930.	2.5	90
18	Persistent competition among stem cells and their daughters in theDrosophilaovary germline niche. Development (Cambridge), 2009, 136, 995-1006.	2.5	84

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19	Cell Competition Time Line: Winners Kill Losers, which Are Extruded and Engulfed by Hemocytes. Cell Reports, 2012, 2, 526-539.	6.4	81
20	Adult Neurogenesis in Drosophila. Cell Reports, 2013, 3, 1857-1865.	6.4	80
21	â€œFitness Fingerprintsâ€•Mediate Physiological Culling of Unwanted Neurons in Drosophila. Current Biology, 2013, 23, 1300-1309.	3.9	64
22	Cell competition in development: information from flies and vertebrates. Current Opinion in Cell Biology, 2018, 55, 150-157.	5.4	59
23	Mechanical cell competition. Current Opinion in Cell Biology, 2018, 51, 15-21.	5.4	54
24	Super competition as a possible mechanism to pioneer precancerous fields. Carcinogenesis, 2009, 30, 723-728.	2.8	53
25	Cell competition in intratumoral and tumor microenvironment interactions. EMBO Journal, 2021, 40, e107271.	7.8	48
26	Tracking the origins of the bilaterian Hox patterning system: insights from the acoel flatworm Symsagittifera roscoffensis. Evolution & Development, 2009, 11, 574-581.	2.0	44
27	Cell Competition During Growth and Regeneration. Annual Review of Genetics, 2015, 49, 697-718.	7.6	43
28	HIF-transcribed p53 chaperones HIF-1Î±. Nucleic Acids Research, 2019, 47, 10212-10234.	14.5	43
29	Brain Regeneration in Drosophila Involves Comparison of Neuronal Fitness. Current Biology, 2015, 25, 955-963.	3.9	41
30	Active JNK-dependent secretion of Drosophila Tyrosyl-tRNA synthetase by loser cells recruits haemocytes during cell competition. Nature Communications, 2015, 6, 10022.	12.8	38
31	Culling Less Fit Neurons Protects against Amyloid-Î²-Induced Brain Damage and Cognitive and Motor Decline. Cell Reports, 2018, 25, 3661-3673.e3.	6.4	38
32	Flower-deficient mice have reduced susceptibility to skin papilloma formation. DMM Disease Models and Mechanisms, 2012, 5, 553-61.	2.4	37
33	The competitive nature of cells. Experimental Cell Research, 2005, 306, 317-322.	2.6	36
34	The Toll pathway inhibits tissue growth and regulates cell fitness in an infection-dependent manner. ELife, 2018, 7, .	6.0	36
35	Darwin's multicellularity: from neurotrophic theories and cell competition to fitness fingerprints. Current Opinion in Cell Biology, 2014, 31, 16-22.	5.4	33
36	The expression of SPARC in human tumors is consistent with its role during cell competition. Communicative and Integrative Biology, 2011, 4, 171-174.	1.4	25

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37	An intergenic regulatory region mediates Drosophila Myc-induced apoptosis and blocks tissue hyperplasia. Oncogene, 2015, 34, 2385-2397.	5.9	23
38	Design and Construction of â€œSynthetic Speciesâ€• PLoS ONE, 2012, 7, e39054.	2.5	22
39	SPARC-p53: The double agents of cancer. Advances in Cancer Research, 2020, 148, 171-199.	5.0	18
40	Inferring the ancestral function of the posterior Hox gene within the bilateria: controlling the maintenance of reproductive structures, the musculature and the nervous system in the acoel flatworm Isodiametra pulchra. Evolution & Development, 2010, 12, 258-266.	2.0	17
41	Cell Competition Boosts Clonal Evolution and Hypoxic Selection in Cancer. Trends in Cell Biology, 2020, 30, 967-978.	7.9	17
42	The co-regulator dNAB interacts with Brinker to eliminate cells with reduced Dpp signaling. Development (Cambridge), 2009, 136, 1137-1145.	2.5	16
43	Cell Competition Spurs Selection of Aggressive Cancer Cells. Trends in Cancer, 2020, 6, 732-736.	7.4	16
44	The society of our â€œout of Africaâ€•ancestors (I). Communicative and Integrative Biology, 2011, 4, 163-170.	1.4	14
45	The flower code and cancer development. Clinical and Translational Oncology, 2011, 13, 5-9.	2.4	13
46	Emerging links between cell competition and Alzheimer's disease. Journal of Cell Science, 2019, 132, .	2.0	12
47	Darwinian tumour suppression. Nature, 2014, 509, 435-436.	27.8	11
48	The Origin of Patterning Systems in Bilateriaâ€"Insights from the Hox and ParaHox Genes in Acoelomorpha. Genomics, Proteomics and Bioinformatics, 2011, 9, 65-76.	6.9	10
49	How winner cells cause the demise of loser cells. BioEssays, 2013, 35, 348-353.	2.5	10
50	Oxygen regulates molecular mechanisms of cancer progression and metastasis. Cancer and Metastasis Reviews, 2014, 33, 183-215.	5.9	10
51	Role of cell competition in ageing. Developmental Biology, 2021, 476, 79-87.	2.0	10
52	How to be in a good shape? The influence of clone morphology on cell competition. Communicative and Integrative Biology, 2016, 9, e1102806.	1.4	8
53	BM-derived cells randomly contribute to neoplastic and non-neoplastic epithelial tissues at low rates. Bone Marrow Transplantation, 2008, 42, 749-755.	2.4	7
54	Neuronal Selection Based on Relative Fitness Comparison Detects and Eliminates Amyloid-Î²-Induced Hyperactive Neurons in Drosophila. IScience, 2020, 23, 101468.	4.1	7

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55	Emerging Role of Cell Competition in Cancer. Seminars in Cancer Biology, 2020, 63, iii-iv.	9.6	5
56	Flower lose, a cell fitness marker, predicts COVIDâ€19 prognosis. EMBO Molecular Medicine, 2021, 13, e13714.	6.9	4
57	A war-prone tribe migrated out of Africa to populate the world.. Nature Precedings, 2010, , .	0.1	3
58	Cell competition from development to neurodegeneration. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	3
59	The â€œOut of Africa Tribeâ€•(II). Communicative and Integrative Biology, 2013, 6, e24145.	1.4	2
60	Design and construction of a new Drosophila species, D.synthetica, by synthetic regulatory evolution. Nature Precedings, 2011, , .	0.1	0