Michalis Averof

List of Publications by Year
in descending order

43 papers	3,114 citations	218677 26 h-index	254184 43 g-index
55 all docs	55 docs citations	55 times ranked	2401 citing authors

#	Article	IF	Citations
1	Tracking cell lineages in 3D by incremental deep learning. ELife, 2022, 11, .	6.0	34
2	The crustacean model Parhyale hawaiensis. Current Topics in Developmental Biology, 2022, 147, 199-230.	2.2	8
3	Distinct gene expression dynamics in developing and regenerating crustacean limbs. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	19
4	CeLaVi: an interactive cell lineage visualization tool. Nucleic Acids Research, 2021, 49, W80-W85.	14.5	9
5	Clonal analysis by tunable CRISPR-mediated excision. Development (Cambridge), 2019, 146, .	2.5	9
6	Analysis of the genetically tractable crustacean Parhyale hawaiensis reveals the organisation of a sensory system for low-resolution vision. BMC Biology, 2019, 17, 67.	3.8	16
7	The multifaceted role of nerves in animal regeneration. Current Opinion in Genetics and Development, 2019, 57, 98-105.	3.3	18
8	Is it possible to reconstruct an accurate cell lineage using CRISPR recorders?. ELife, 2019, 8, .	6.0	62
9	Old questions, new models: unraveling complex organ regeneration with new experimental approaches. Current Opinion in Genetics and Development, 2016, 40, 23-31.	3.3	27
10	Live imaging reveals the progenitors and cell dynamics of limb regeneration. ELife, 2016, 5, .	6.0	48
11	The genome of the crustacean Parhyale hawaiensis, a model for animal development, regeneration, immunity and lignocellulose digestion. ELife, 2016, 5, .	6.0	130
12	Efficient CRISPR-mediated gene targeting and transgene replacement in the beetle<i>Tribolium castaneum</i>. Development (Cambridge), 2015, 142, 2832-9.	2.5	141
13	Functional genetics for all: engineered nucleases, CRISPR and the gene editing revolution. EvoDevo, 2014, 5, 43.	3.2	85
14	A Common Cellular Basis for Muscle Regeneration in Arthropods and Vertebrates. Science, 2014, 343, 788-791.	12.6	87
15	Development: A Deep Breath for Endocrine Organ Evolution. Current Biology, 2014, 24, R38-R40.	3.9	9
16	MicroRNAs Act as Cofactors in Bicoid-Mediated Translational Repression. Current Biology, 2013, 23, 1579-1584.	3.9	13
17	A Segmentation Clock with Two-Segment Periodicity in Insects. Science, 2012, 336, 338-341.	12.6	194
18	A segmentation clock operating in blastoderm and germband stages of <i>Tribolium</i> development. Development (Cambridge), 2012, 139, 4341-4346.	2.5	100

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19	Reconfiguring gene traps for new tasks using iTRAC. Fly, 2011, 5, 352-355.	1.7	3
20	A versatile strategy for gene trapping and trap conversion in emerging model organisms. Development (Cambridge), 2011, 138, 2625-2630.	2.5	32
21	EGF Signaling and the Origin of Axial Polarity among the Insects. Current Biology, 2010, 20, 1042-1047.	3.9	70
22	Early asymmetries in maternal transcript distribution associated with a cortical microtubule network and a polar body in the beetle <i>Tribolium castaneum</i>. Developmental Dynamics, 2010, 239, 2875-2887.	1.8	7
23	Functionality of the GAL4/UAS system in Tribolium requires the use of endogenous core promoters. BMC Developmental Biology, 2010, 10, 53.	2.1	90
24	Evidence for Multiple Independent Origins of trans-Splicing in Metazoa. Molecular Biology and Evolution, 2010, 27, 684-693.	8.9	71
25	Knockdown of <i>Parhyale Ultrabithorax</i> recapitulates evolutionary changes in crustacean appendage morphology. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13892-13896.	7.1	100
26	Probing the evolution of appendage specialization by Hox gene misexpression in an emerging model crustacean. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13897-13902.	7.1	91
27	Knockdown of spalt function by RNAi causes de-repression of Hox genes and homeotic transformations in the crustacean Artemia franciscana. Developmental Biology, 2006, 298, 87-94.	2.0	27
28	Expression of hunchback during trunk segmentation in the branchiopod crustacean Artemia franciscana. Development Genes and Evolution, 2006, 216, 89-93.	0.9	13
29	Association of tracheal placodes with leg primordia in Drosophila and implications for the origin of insect tracheal systems. Development (Cambridge), 2006, 133, 785-790.	2.5	31
30	Establishing genetic transformation for comparative developmental studies in the crustacean Parhyale hawaiensis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7888-7893.	7.1	83
31	Ancestral role of caudal genes in axis elongation and segmentation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17711-17715.	7.1	174
32	Efficient Transformation of the Beetle Tribolium castaneum Using the Minos Transposable Element. Genetics, 2004, 167, 737-746.	2.9	72
33	Posterior patterning genes and the identification of a unique body region in the brine shrimp Artemia franciscana. Development (Cambridge), 2003, 130, 5915-5927.	2.5	59
34	Arthropod Hox genes: insights on the evolutionary forces that shape gene functions. Current Opinion in Genetics and Development, 2002, 12, 386-392.	3.3	20
35	Developmental Evolution: Hox Proteins Ring the Changes. Current Biology, 2002, 12, R291-R293.	3.9	12
36	Diverse Adaptations of an Ancestral Gill. Current Biology, 2002, 12, 1711-1716.	3.9	107

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37	Origin of the spider's head. Nature, 1998, 395, 436-437.	27.8	17
38	Evolutionary origin of insect wings from ancestral gills. Nature, 1997, 385, 627-630.	27.8	220
39	Crustacean appendage evolution associated with changes in Hox gene expression. Nature, 1997, 388, 682-686.	27.8	319
40	Arthropod evolution: Same Hox genes, different body plans. Current Biology, 1997, 7, R634-R636.	3.9	24
41	Hox genes and the diversification of insect and crustacean body plans. Nature, 1995, 376, 420-423.	27.8	246
42	The evolving role of Hox genes in arthropods. Development (Cambridge), 1994, 1994, 209-215.	2.5	76
43	HOM/Hox genes of Artemia: implications for the origin of insect and crustacean body plans. Current Biology, 1993, 3, 73-78.	3.9	101