Xavier Bailly

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11761730/publications.pdf

Version: 2024-02-01

30 papers	1,920 citations	361413 20 h-index	477307 29 g-index

31 all docs	31 docs citations	31 times ranked	2134 citing authors

#	Article	IF	Citations
1	Assessing the root of bilaterian animals with scalable phylogenomic methods. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 4261-4270.	2.6	645
2	A phylogenomic profile of globins. BMC Evolutionary Biology, 2006, 6, 31.	3.2	191
3	Three globin lineages belonging to two structural classes in genomes from the three kingdoms of life. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11385-11389.	7.1	156
4	A model of globin evolution. Gene, 2007, 398, 132-142.	2.2	99
5	The Global Invertebrate Genomics Alliance (GIGA): Developing Community Resources to Study Diverse Invertebrate Genomes. Journal of Heredity, 2014, 105, 1-18.	2.4	96
6	The loss of the hemoglobin H2S-binding function in annelids from sulfide-free habitats reveals molecular adaptation driven by Darwinian positive selection. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5885-5890.	7.1	61
7	Evolution of the Globin Gene Family in Deuterostomes: Lineage-Specific Patterns of Diversification and Attrition. Molecular Biology and Evolution, 2012, 29, 1735-1745.	8.9	54
8	Evolution of the Sulfide-Binding Function Within the Globin Multigenic Family of the Deep-Sea Hydrothermal Vent Tubeworm Riftia pachyptila. Molecular Biology and Evolution, 2002, 19, 1421-1433.	8.9	53
9	The phylogenetic position of Acoela as revealed by the complete mitochondrial genome of Symsagittifera roscoffensis. BMC Evolutionary Biology, 2010, 10, 309.	3.2	52
10	Steps towards a centralized nervous system in basal bilaterians: Insights from neurogenesis of the acoel Symsagittifera roscoffensis. Development Growth and Differentiation, 2010, 52, 701-713.	1.5	50
11	A phylogenomic profile of hemerythrins, the nonheme diiron binding respiratory proteins. BMC Evolutionary Biology, 2008, 8, 244.	3.2	47
12	The sulfide binding function of annelid hemoglobins: relic of an old biosystem?. Journal of Inorganic Biochemistry, 2005, 99, 142-150.	3.5	36
13	Microbial Eukaryote Globins. Advances in Microbial Physiology, 2013, 63, 391-446.	2.4	36
14	The chimerical and multifaceted marine acoel Symsagittifera roscoffensis: from photosymbiosis to brain regeneration. Frontiers in Microbiology, 2014, 5, 498.	3.5	34
15	Expression and localization of carbonic anhydrase and ATPases in the symbiotic tubeworm Riftia pachyptila. Journal of Experimental Biology, 2003, 206, 399-409.	1.7	31
16	Neuroglobins, Pivotal Proteins Associated with Emerging Neural Systems and Precursors of Metazoan Globin Diversity. Journal of Biological Chemistry, 2013, 288, 6957-6967.	3.4	31
17	Conceptual bases for quantifying the role of the environment on gene evolution: the participation of positive selection and neutral evolution. Biological Reviews, 2007, 82, 551-572.	10.4	28
18	Stable Photosymbiotic Relationship under CO2-Induced Acidification in the Acoel Worm Symsagittifera Roscoffensis. PLoS ONE, 2012, 7, e29568.	2.5	27

#	Article	IF	Citations
19	The urbilaterian brain revisited: novel insights into old questions from new flatworm clades. Development Genes and Evolution, 2013, 223, 149-157.	0.9	25
20	Characterization of carbonic anhydrases from Riftia pachyptila, a symbiotic invertebrate from deep-sea hydrothermal vents. Proteins: Structure, Function and Bioinformatics, 2003, 51, 327-339.	2.6	24
21	An Emerging System to Study Photosymbiosis, Brain Regeneration, Chronobiology, and Behavior: The Marine Acoel Symsagittifera roscoffensis. BioEssays, 2018, 40, e1800107.	2.5	24
22	Xenacoelomorpha Survey Reveals That All 11 Animal Homeobox Gene Classes Were Present in the First Bilaterians. Genome Biology and Evolution, 2018, 10, 2205-2217.	2.5	23
23	Globin gene family evolution and functional diversification in annelids. FEBS Journal, 2007, 274, 2641-2652.	4.7	19
24	The multigenic family of the extracellular hemoglobin from the annelid polychaete Arenicola marina. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2006, 144, 319-325.	1.6	16
25	Molecular Evolution and Phylogeny of Sipunculan Hemerythrins. Journal of Molecular Evolution, 2006, 62, 32-41.	1.8	14
26	Functional brain regeneration in the acoel worm Symsagittifera roscoffensis. Biology Open, 2015, 4, 1688-1695.	1.2	13
27	Gene Structure and Molecular Phylogeny of the Linker Chains from the Giant Annelid Hexagonal Bilayer Hemoglobins. Journal of Molecular Evolution, 2006, 63, 365-374.	1.8	11
28	Phylogeny of Echinoderm Hemoglobins. PLoS ONE, 2015, 10, e0129668.	2.5	9
29	Globins in the marine annelid Platynereis dumerilii shed new light on hemoglobin evolution in bilaterians. BMC Evolutionary Biology, 2020, 20, 165.	3.2	9
30	The Bilatarian Sea Urchin and the Radial Starlet Sea Anemone Globins Share Strong Homologies with Vertebrate Neuroglobins. , 2008, , 191-201.		5