

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	Globins in the marine annelid <i>Platynereis dumerilii</i> shed new light on hemoglobin evolution in bilaterians. <i>BMC Evolutionary Biology</i> , 2020, 20, 165.	3.2	9
2	An Emerging System to Study Photosymbiosis, Brain Regeneration, Chronobiology, and Behavior: The Marine Acoel <i>Symsagittifera roscoffensis</i> . <i>BioEssays</i> , 2018, 40, e1800107.	2.5	24
3	Xenacoelomorpha Survey Reveals That All 11 Animal Homeobox Gene Classes Were Present in the First Bilaterians. <i>Genome Biology and Evolution</i> , 2018, 10, 2205-2217.	2.5	23
4	Functional brain regeneration in the acoel worm <i>Symsagittifera roscoffensis</i> . <i>Biology Open</i> , 2015, 4, 1688-1695.	1.2	13
5	Phylogeny of Echinoderm Hemoglobins. <i>PLoS ONE</i> , 2015, 10, e0129668.	2.5	9
6	The chimerical and multifaceted marine acoel <i>Symsagittifera roscoffensis</i> : from photosymbiosis to brain regeneration. <i>Frontiers in Microbiology</i> , 2014, 5, 498.	3.5	34
7	The Global Invertebrate Genomics Alliance (GIGA): Developing Community Resources to Study Diverse Invertebrate Genomes. <i>Journal of Heredity</i> , 2014, 105, 1-18.	2.4	96
8	Neuroglobins, Pivotal Proteins Associated with Emerging Neural Systems and Precursors of Metazoan Globin Diversity. <i>Journal of Biological Chemistry</i> , 2013, 288, 6957-6967.	3.4	31
9	Microbial Eukaryote Globins. <i>Advances in Microbial Physiology</i> , 2013, 63, 391-446.	2.4	36
10	The urbilaterian brain revisited: novel insights into old questions from new flatworm clades. <i>Development Genes and Evolution</i> , 2013, 223, 149-157.	0.9	25
11	Evolution of the Globin Gene Family in Deuterostomes: Lineage-Specific Patterns of Diversification and Attrition. <i>Molecular Biology and Evolution</i> , 2012, 29, 1735-1745.	8.9	54
12	Stable Photosymbiotic Relationship under CO ₂ -Induced Acidification in the Acoel Worm <i>Symsagittifera Roscoffensis</i> . <i>PLoS ONE</i> , 2012, 7, e29568.	2.5	27
13	The phylogenetic position of Acoela as revealed by the complete mitochondrial genome of <i>Symsagittifera roscoffensis</i> . <i>BMC Evolutionary Biology</i> , 2010, 10, 309.	3.2	52
14	Steps towards a centralized nervous system in basal bilaterians: Insights from neurogenesis of the acoel <i>Symsagittifera roscoffensis</i> . <i>Development Growth and Differentiation</i> , 2010, 52, 701-713.	1.5	50
15	Assessing the root of bilaterian animals with scalable phylogenomic methods. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 4261-4270.	2.6	645
16	A phylogenomic profile of hemerythrins, the nonheme diiron binding respiratory proteins. <i>BMC Evolutionary Biology</i> , 2008, 8, 244.	3.2	47
17	The Bilaterian Sea Urchin and the Radial Starlet Sea Anemone Globins Share Strong Homologies with Vertebrate Neuroglobins. , 2008, , 191-201.		5
18	A model of globin evolution. <i>Gene</i> , 2007, 398, 132-142.	2.2	99

#	ARTICLE	IF	CITATIONS
19	Conceptual bases for quantifying the role of the environment on gene evolution: the participation of positive selection and neutral evolution. <i>Biological Reviews</i> , 2007, 82, 551-572.	10.4	28
20	Globin gene family evolution and functional diversification in annelids. <i>FEBS Journal</i> , 2007, 274, 2641-2652.	4.7	19
21	The multigenic family of the extracellular hemoglobin from the annelid polychaete <i>Arenicola marina</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 144, 319-325.	1.6	16
22	Molecular Evolution and Phylogeny of Sipunculan Hemerythrins. <i>Journal of Molecular Evolution</i> , 2006, 62, 32-41.	1.8	14
23	Gene Structure and Molecular Phylogeny of the Linker Chains from the Giant Annelid Hexagonal Bilayer Hemoglobins. <i>Journal of Molecular Evolution</i> , 2006, 63, 365-374.	1.8	11
24	A phylogenomic profile of globins. <i>BMC Evolutionary Biology</i> , 2006, 6, 31.	3.2	191
25	The sulfide binding function of annelid hemoglobins: relic of an old biosystem?. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 142-150.	3.5	36
26	Three globin lineages belonging to two structural classes in genomes from the three kingdoms of life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11385-11389.	7.1	156
27	Characterization of carbonic anhydrases from <i>Riftia pachyptila</i> , a symbiotic invertebrate from deep-sea hydrothermal vents. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 51, 327-339.	2.6	24
28	Expression and localization of carbonic anhydrase and ATPases in the symbiotic tubeworm <i>Riftia pachyptila</i> . <i>Journal of Experimental Biology</i> , 2003, 206, 399-409.	1.7	31
29	The loss of the hemoglobin H ₂ S-binding function in annelids from sulfide-free habitats reveals molecular adaptation driven by Darwinian positive selection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5885-5890.	7.1	61
30	Evolution of the Sulfide-Binding Function Within the Globin Multigenic Family of the Deep-Sea Hydrothermal Vent Tubeworm <i>Riftia pachyptila</i> . <i>Molecular Biology and Evolution</i> , 2002, 19, 1421-1433.	8.9	53