

Jaume Baguna

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

3,640
citations

117571

34
h-index

233338

45
g-index

50
all docs

50
docs citations

50
times ranked

2335
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the root of bilaterian animals with scalable phylogenomic methods. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 4261-4270.	1.2	645
2	JNK signaling pathway required for wound healing in regenerating <i>Drosophila</i> wing imaginal discs. <i>Developmental Biology</i> , 2005, 280, 73-86.	0.9	173
3	The Nemertodermatida are basal bilaterians and not members of the Platyhelminthes. <i>Zoologica Scripta</i> , 2002, 31, 201-215.	0.7	169
4	The dawn of bilaterian animals: the case of acoelomorph flatworms. <i>BioEssays</i> , 2004, 26, 1046-1057.	1.2	152
5	Spatial Distribution and Differentiation Potential of Stem Cells in Hatchlings and Adults in the Marine Platyhelminth <i>Macrostomum</i> sp.: A Bromodeoxyuridine Analysis. <i>Developmental Biology</i> , 2000, 226, 231-241.	0.9	133
6	The planarian neoblast: the rambling history of its origin and some current black boxes. <i>International Journal of Developmental Biology</i> , 2012, 56, 19-37.	0.3	132
7	Acoel Flatworms Are Not Platyhelminthes: Evidence from Phylogenomics. <i>PLoS ONE</i> , 2007, 2, e717.	1.1	132
8	Expression of the 22 nucleotide <i>let-7</i> heterochronic RNA throughout the Metazoa: a role in life history evolution?. <i>Evolution & Development</i> , 2003, 5, 372-378.	1.1	130
9	Mitosis in the intact and regenerating planarian <i>Dugesia mediterranea</i> n.sp. I. Mitotic studies during growth, feeding and starvation. <i>The Journal of Experimental Zoology</i> , 1976, 195, 53-64.	1.4	114
10	Regeneration in planarians and other worms: New findings, new tools, and new perspectives. <i>The Journal of Experimental Zoology</i> , 2002, 292, 528-539.	1.4	104
11	Molecular phylogeny of the Platyhelminthes. <i>Canadian Journal of Zoology</i> , 2004, 82, 168-193.	0.4	103
12	Lophotrochozoa internal phylogeny: new insights from an up-to-date analysis of nuclear ribosomal genes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1245-1254.	1.2	103
13	Mitosis in the intact and regenerating planarian <i>Dugesia mediterranea</i> n.sp. II. Mitotic studies during regeneration, and a possible mechanism of blastema formation. <i>The Journal of Experimental Zoology</i> , 1976, 195, 65-79.	1.4	99
14	Phylogenetic distribution of microRNAs supports the basal position of acoel flatworms and the polyphyly of Platyhelminthes. <i>Evolution & Development</i> , 2007, 9, 409-415.	1.1	98
15	Mitochondrial genome data support the basal position of Acoelomorpha and the polyphyly of the Platyhelminthes. <i>Molecular Phylogenetics and Evolution</i> , 2004, 33, 321-332.	1.2	92
16	Bilaterian Phylogeny: A Broad Sampling of 13 Nuclear Genes Provides a New Lophotrochozoa Phylogeny and Supports a Paraphyletic Basal Acoelomorpha. <i>Molecular Biology and Evolution</i> , 2009, 26, 2397-2406.	3.5	90
17	Molecular barcoding and phylogeography of sexual and asexual freshwater planarians of the genus <i>Dugesia</i> in the Western Mediterranean (Platyhelminthes, Tricladida, DugesIIDae). <i>Molecular Phylogenetics and Evolution</i> , 2009, 52, 835-845.	1.2	81
18	Back in time: a new systematic proposal for the Bilateria. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 1481-1491.	1.8	79

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19	Molecular phylogeny of land and freshwater planarians (Tricladida, Platyhelminthes): From freshwater to land and back. <i>Molecular Phylogenetics and Evolution</i> , 2008, 47, 555-568.	1.2	74
20	Growth, Degrowth and Regeneration as Developmental Phenomena in Adult Freshwater Planarians. , 1990, , 129-162.		58
21	A new higher classification of planarian flatworms (Platyhelminthes, Tricladida). <i>Journal of Natural History</i> , 2009, 43, 1763-1777.	0.2	53
22	Dramatic mitotic response in planarians after feeding, and a hypothesis for the control mechanism. <i>The Journal of Experimental Zoology</i> , 1974, 190, 117-122.	1.4	52
23	From morphology and karyology to molecules. New methods for taxonomical identification of asexual populations of freshwater planarians. A tribute to Professor Mario Benazzi. <i>Italian Journal of Zoology</i> , 1999, 66, 207-214.	0.6	51
24	Modulation of the Ras/MAPK Signalling Pathway by the Redox Function of Selenoproteins in <i>Drosophila melanogaster</i> . <i>Developmental Biology</i> , 2001, 238, 145-156.	0.9	51
25	Morphological and biochemical variation in populations of <i>Dugesia (G.) tigrina</i> (Turbellaria, Tricladida). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i> of <i>Zoology</i> , 1989, 218, 609-626.	0.8	50
26	<i>Schmidtea mediterranea</i> phylogeography: an old species surviving on a few Mediterranean islands?. <i>BMC Evolutionary Biology</i> , 2011, 11, 274.	3.2	50
27	The nervous system in planarians: Peripheral and gastrodermal plexuses, pharynx innervation, and the relationship between central nervous system structure and the acoelomate organization. <i>Journal of Morphology</i> , 1978, 155, 237-252.	0.6	48
28	Origin and Evolution of Paralogous rRNA Gene Clusters Within the Flatworm Family Dugesidae (Platyhelminthes, Tricladida). <i>Journal of Molecular Evolution</i> , 1999, 49, 250-259.	0.8	48
29	Origin and proliferation of blastema cells during regeneration of <i>Drosophila</i> wing imaginal discs. <i>International Journal of Developmental Biology</i> , 2008, 52, 1043-1050.	0.3	45
30	Quantitative cellular analysis of growth and reproduction in freshwater planarians (Turbellaria;) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> <i>Development</i> , 1991, 19, 157-165.	0.3	44
31	Tracking the origins of the bilaterian <i>Hox</i> patterning system: insights from the acoel flatworm <i>Symsagittifera roscoffensis</i> . <i>Evolution & Development</i> , 2009, 11, 574-581.	1.1	44
32	Ultrastructural localization of RNA in the chromatoid bodies of undifferentiated cells (neoblasts) in planarians by the RNase-gold complex technique. <i>Journal of Morphology</i> , 1993, 216, 319-326.	0.6	43
33	A robust molecular phylogeny of the Tricladida (Platyhelminthes: Seriata) with a discussion on morphological synapomorphies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 631-640.	1.2	41
34	Cell-, tissue-, and position-specific monoclonal antibodies against the planarian <i>Dugesia (Girardia) tigrina</i> . <i>Histochemistry and Cell Biology</i> , 1997, 107, 139-149.	0.8	38
35	18S rRNA sequences and phylogeny of platyhelminthes. <i>Biochemical Systematics and Ecology</i> , 1993, 21, 71-77.	0.6	35
36	Evo-Devo: the long and winding road. <i>International Journal of Developmental Biology</i> , 2003, 47, 705-13.	0.3	34

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37	A Central Body Region Defined by a Position-Specific Molecule in the Planarian <i>Dugesia (Girardia) tigrina</i> : Spatial and Temporal Variations during Regeneration. <i>Developmental Biology</i> , 1996, 178, 446-458.	0.9	23
38	Planarian pharynx regeneration in regenerating tail fragments monitored with cell-specific monoclonal antibodies. <i>Development Genes and Evolution</i> , 1997, 206, 425-434.	0.4	22
39	Distribution, ecology, mode of reproduction and karyology of freshwater planarians (Platyhelminthes; Turbellaria; Tricladida) in the springs of the central Pyrenees. <i>Ecography</i> , 1992, 15, 373-384.	2.1	21
40	Hox and ParaHox Genes in Flatworms: Characterization and Expression 1. <i>American Zoologist</i> , 2001, 41, 652-663.	0.7	18
41	Leg regeneration in <i>Drosophila</i> abridges the normal developmental program. <i>International Journal of Developmental Biology</i> , 2010, 54, 1241-1250.	0.3	18
42	The <i>Drosophila</i> selenophosphate synthetase (<i>selD</i>) gene is required for development and cell proliferation. <i>BioFactors</i> , 2001, 14, 143-149.	2.6	15
43	Taxonomy, ecology, and karyology of a new species of <i>Phagocata</i> from Spain, with a discussion on the phylogenetic systematics of the genus <i>Phagocata</i> s.l. (Platyhelminthes, Tricladida). <i>TJ ETQq1 1 0.784314 rgBT /@verlock</i>	0.7	14
44	Planarian regeneration between 1960s and 1990s: From skilful baffled ancestors to bold integrative descendants. A personal account. <i>Seminars in Cell and Developmental Biology</i> , 2019, 87, 3-12.	2.3	8
45	Monoclonal antibodies as markers of specific cell types and regional antigens in the freshwater planarian <i>Dugesia (G.) tigrina</i> . , 1991, , 73-79.		8
46	Optimizing a method of protein extraction for two-dimensional electrophoretic separation of proteins from planarians (Platyhelminthes, Turbellaria). <i>Electrophoresis</i> , 1993, 14, 1054-1059.	1.3	5
47	Hox and ParaHox Genes in Flatworms: Characterization and Expression. <i>American Zoologist</i> , 2001, 41, 652-663.	0.7	3
48	Unravelling body plan and axial evolution in the Bilateria with molecular phylogenetic markers. , 0, , 217-238.		2
49	TCEN-49, a monoclonal antibody that identifies a central body antigen in the planarian <i>Dugesia (Girardia) tigrina</i> . Implications for pattern formation and positional signalling mechanisms. , 1995, , 235-240.		1