Daniel John Jackson

List of Publications by Year
in descending order

60 papers	8,906 citations	218677 26 h-index	128289 60 g-index
64 all docs	64 docs citations	64 times ranked	18392 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	The Amphimedon queenslandica genome and the evolution of animal complexity. Nature, 2010, 466, 720-726.	27.8	917
3	Phylogenomics Revives Traditional Views on Deep Animal Relationships. Current Biology, 2009, 19, 706-712.	3.9	611
4	Parallel Evolution of Nacre Building Gene Sets in Molluscs. Molecular Biology and Evolution, 2010, 27, 591-608.	8.9	239
5	Whole genome analysis of a schistosomiasis-transmitting freshwater snail. Nature Communications, 2017, 8, 15451.	12.8	216
6	Estimating the Phanerozoic history of the Ascomycota lineages: Combining fossil and molecular data. Molecular Phylogenetics and Evolution, 2014, 78, 386-398.	2.7	197
7	A rapidly evolving secretome builds and patterns a sea shell. BMC Biology, 2006, 4, 40.	3.8	180
8	Sea shell diversity and rapidly evolving secretomes: insights into the evolution of biomineralization. Frontiers in Zoology, 2016, 13, 23.	2.0	144
9	Formin Is Associated with Left-Right Asymmetry in the Pond Snail and the Frog. Current Biology, 2016, 26, 654-660.	3.9	135
10	Proteomic analysis of the organic matrix of the abalone Haliotis asinina calcified shell. Proteome Science, 2010, 8, 54.	1.7	119
11	Sponge Paleogenomics Reveals an Ancient Role for Carbonic Anhydrase in Skeletogenesis. Science, 2007, 316, 1893-1895.	12.6	111
12	The shellâ€forming proteome of <i><scp>L</scp>ottiaÂgigantea</i> reveals both deep conservations and lineageâ€specific novelties. FEBS Journal, 2013, 280, 214-232.	4.7	109
13	Dynamic expression of ancient and novel molluscan shell genes during ecological transitions. BMC Evolutionary Biology, 2007, 7, 160.	3.2	100
14	The evolution of metazoan Î±-carbonic anhydrases and their roles in calcium carbonate biomineralization. Frontiers in Zoology, 2014, 11, .	2.0	78
15	Characterization of the pigmented shell-forming proteome of the common grove snail Cepaea nemoralis. BMC Genomics, 2014, 15, 249.	2.8	76
16	A technical review and guide to RNA fluorescence in situ hybridization. PeerJ, 2020, 8, e8806.	2.0	72
17	Combining independent de novo assemblies optimizes the coding transcriptome for nonconventional model eukaryotic organisms. BMC Bioinformatics, 2016, 17, 525.	2.6	63
18	Correlating gene expression with larval competence, and the effect of age and parentage on metamorphosis in the tropical abalone Haliotis asinina. Marine Biology, 2005, 147, 681-697.	1.5	57

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19	Widespread transcriptional changes preâ€empt the critical pelagicâ€“benthic transition in the vetigastropod <i>Haliotis asinina</i>. Molecular Ecology, 2009, 18, 1006-1025.	3.9	55
20	A horizontal gene transfer supported the evolution of an early metazoan biomineralization strategy. BMC Evolutionary Biology, 2011, 11, 238.	3.2	52
21	The Magellania venosa Biomineralizing Proteome: A Window into Brachiopod Shell Evolution. Genome Biology and Evolution, 2015, 7, 1349-1362.	2.5	52
22	An ancient process in a modern mollusc: early development of the shell in Lymnaea stagnalis. BMC Developmental Biology, 2013, 13, 27.	2.1	51
23	A shell regeneration assay to identify biomineralization candidate genes in mytilid mussels. Marine Genomics, 2016, 27, 57-67.	1.1	46
24	The importance of evo-devo to an integrated understanding of molluscan biomineralisation. Journal of Structural Biology, 2016, 196, 67-74.	2.8	41
25	In-depth proteomic analyses of Haliotis laevigata (greenlip abalone) nacre and prismatic organic shell matrix. Proteome Science, 2018, 16, 11.	1.7	33
26	Ultrastructure of the Mantle of the Gastropod <i>Haliotis asinina </i>and Mechanisms of Shell Regionalization. Cells Tissues Organs, 2011, 194, 103-107.	2.3	32
27	Developmental expression of COE across the Metazoa supports a conserved role in neuronal cell-type specification and mesodermal development. Development Genes and Evolution, 2010, 220, 221-234.	0.9	28
28	A conserved set of maternal genes? Insights from a molluscan transcriptome. International Journal of Developmental Biology, 2014, 58, 501-511.	0.6	28
29	Transposable Elements: From DNA Parasites to Architects of Metazoan Evolution. Genes, 2012, 3, 409-422.	2.4	26
30	Tracking the Ancestry of a Deeply Conserved Eumetazoan SINE Domain. Molecular Biology and Evolution, 2011, 28, 2727-2730.	8.9	25
31	Molecular modularity and asymmetry of the molluscan mantle revealed by a gene expression atlas. GigaScience, 2018, 7, .	6.4	22
32	The Skeleton Forming Proteome of an Early Branching Metazoan: A Molecular Survey of the Biomineralization Components Employed by the Coralline Sponge Vaceletia Sp.. PLoS ONE, 2015, 10, e0140100.	2.5	21
33	Eumelanin and pheomelanin pigmentation in mollusc shells may be less common than expected: insights from mass spectrometry. Frontiers in Zoology, 2019, 16, 47.	2.0	20
34	The Holo-Transcriptome of a Calcified Early Branching Metazoan. Frontiers in Marine Science, 2017, 4, .	2.5	19
35	EXPRESSED SEQUENCE TAG ANALYSIS OF GENES EXPRESSED DURING DEVELOPMENT OF THE TROPICAL ABALONE HALIOTIS ASININA. Journal of Shellfish Research, 2006, 25, 225-231.	0.9	18
36	Characterisation and expression of the biomineralising gene Lustrin A during shell formation of the European abalone Haliotis tuberculata. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2014, 169, 1-8.	1.6	18

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37	An Antarctic molluscan biomineralisation tool-kit. Scientific Reports, 2016, 6, 36978.	3.3	17
38	Hydrothermal alteration of aragonitic biocarbonates: assessment of micro- and nanostructural dissolutionâ€"reprecipitation and constraints of diagenetic overprint from quantitative statistical grain-area analysis. Biogeosciences, 2018, 15, 7451-7484.	3.3	16
39	Variation in Orthologous Shell-Forming Proteins Contribute to Molluscan Shell Diversity. Molecular Biology and Evolution, 2017, 34, 2959-2969.	8.9	15
40	Symbiophagy and biomineralization in the â€œliving fossilâ€<i>Astrosclera willeyana</i>. Autophagy, 2014, 10, 408-415.	9.1	13
41	Quantitation of eumelanin and pheomelanin markers in diverse biological samples by HPLC-UV-MS following solid-phase extraction. PLoS ONE, 2019, 14, e0223552.	2.5	13
42	Variation in rates of early development in Haliotis asinina generate competent larvae of different ages. Frontiers in Zoology, 2012, 9, 2.	2.0	12
43	Parasitic castration by the digenian trematodeAllopodocotylesp. alters gene expression in the brain of the host molluscHaliotis asinina. FEBS Letters, 2006, 580, 3769-3774.	2.8	11
44	Hemocyanin genes as indicators of habitat shifts in Panpulmonata?. Molecular Phylogenetics and Evolution, 2019, 130, 99-103.	2.7	10
45	Temporal expression profile of an accessory-gland protein that is transferred via the seminal fluid of the simultaneous hermaphrodite Lymnaea stagnalis. Journal of Molluscan Studies, 2019, 85, 177-183.	1.2	9
46	Tissue-specific evaluation of suitable reference genes for RT-qPCR in the pond snail,<i>Lymnaea stagnalis</i>. PeerJ, 2019, 7, e7888.	2.0	9
47	Cloning, characterization and sulfonamide inhibition studies of an Î±-carbonic anhydrase from the living fossil sponge Astrosclera willeyana. Bioorganic and Medicinal Chemistry, 2012, 20, 1403-1410.	3.0	8
48	Challenging the concept that eumelanin is the polymorphic brown banded pigment in Cepaea nemoralis. Scientific Reports, 2020, 10, 2442.	3.3	7
49	Anion inhibition studies of an Î±-carbonic anhydrase from the living fossil Astrosclera willeyana. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1314-1316.	2.2	6
50	A sea urchin Na+K+2Clâˆ' cotransporter is involved in the maintenance of calcification-relevant cytoplasmic cords in Strongylocentrotus droebachiensis larvae. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 187, 184-192.	1.8	6
51	Formin, an opinion. Development (Cambridge), 2020, 147, .	2.5	5
52	Mantle Modularity Underlies the Plasticity of the Molluscan Shell: Supporting Data From Cepaea nemoralis. Frontiers in Genetics, 2021, 12, 622400.	2.3	5
53	An optimised whole mount in situ hybridisation protocol for the mollusc Lymnaea stagnalis. BMC Developmental Biology, 2015, 15, 19.	2.1	4
54	A Whole Mount In Situ Hybridization Method for the Gastropod Mollusc Lymnaea stagnalis. Journal of Visualized Experiments, 2016, , .	0.3	4

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55	A survey of miRNAs involved in biomineralization and shell repair in the freshwater gastropod Lymnaea stagnalis. Discover Materials, 2021, 1, 1.	2.8	4
56	The evolution of hemocyanin genes in Tectipleura: a multitude of conserved introns in highly diverse gastropods. Bmc Ecology and Evolution, 2021, 21, 36.	1.6	3
57	Identification and validation of reference genes for qPCR in the terrestrial gastropod Cepaea nemoralis. PLoS ONE, 2018, 13, e0201396.	2.5	2
58	Tyrosine hydroxylase messenger RNA corroborates protein localization in the nervous system of the pond snail, <scp><i>Lymnaea stagnalis</i></scp>. Invertebrate Biology, 2022, 141, .	0.9	2
59	Animal Biocalcification, Evolution. Encyclopedia of Earth Sciences Series, 2011, , 53-58.	0.1	1
60	The evolution of an ancient metazoan biomineralisation strategy was supported by a horizontal gene transfer. Mobile Genetic Elements, 2011, 1, 242-246.	1.8	0