# Bernard M Degnan

List of Publications by Year
in descending order



| 226 | 17,606 | 18482 62 | 17105 122 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 232 | 232 | 232 | 14031 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Conservation of the sequence and temporal expression of let-7 heterochronic regulatory RNA. Nature, 2000, 408, 86-89. | 27.8 | 2,167 |
| 2 | The Draft Genome of Ciona intestinalis : Insights into Chordate and Vertebrate Origins. Science, 2002, 298, 2157-2167. | 12.6 | 1,539 |
| 3 | The Amphimedon queenslandica genome and the evolution of animal complexity. Nature, 2010, 466, 720-726. | 27.8 | 917 |
| 4 | Early origins and evolution of microRNAs and Piwi-interacting RNAs in animals. Nature, 2008, 455, 1193-1197. | 27.8 | 630 |
| 5 | Origin and diversification of the basic helix-loop-helix gene family in metazoans: insights from comparative genomics. BMC Evolutionary Biology, 2007, 7, 33. | 3.2 | 263 |
| 6 | Genesis and Expansion of Metazoan Transcription Factor Gene Classes. Molecular Biology and Evolution, 2008, 25, 980-996. | 8.9 | 262 |
| 7 | Parallel Evolution of Nacre Building Gene Sets in Molluscs. Molecular Biology and Evolution, 2010, 27, 591-608. | 8.9 | 239 |
| 8 | The origin of Metazoa: a unicellular perspective. Nature Reviews Genetics, 2017, 18, 498-512. | 16.3 | 239 |
| 9 | The mid-developmental transition and the evolution of animal body plans. Nature, 2016, 531, 637-641. | 27.8 | 231 |
| 10 | Early metazoan cell type diversity and the evolution of multicellular gene regulation. Nature Ecology and Evolution, 2018, 2, 1176-1188. | 7.8 | 226 |
| 11 | Independent evolution of striated muscles in cnidarians and bilaterians. Nature, 2012, 487, 231-234. | 27.8 | 221 |
| 12 | Wnt and TGF-Î² Expression in the Sponge Amphimedon queenslandica and the Origin of Metazoan Embryonic Patterning. PLoS ONE, 2007, 2, e1031. | 2.5 | 216 |
| 13 | A Post-Synaptic Scaffold at the Origin of the Animal Kingdom. PLoS ONE, 2007, 2, e506. | 2.5 | 215 |
| 14 | Protein Evolution by Molecular Tinkering: Diversification of the Nuclear Receptor Superfamily from a Ligand-Dependent Ancestor. PLoS Biology, 2010, 8, e1000497. | 5.6 | 202 |
| 15 | Origin and evolution of the Notch signalling pathway: an overview from eukaryotic genomes. BMC Evolutionary Biology, 2009, 9, 249. | 3.2 | 191 |
| 16 | Cytological Basis of Photoresponsive Behavior in a Sponge Larva. Biological Bulletin, 2001, 201, 323-338. | 1.8 | 187 |
| 17 | A rapidly evolving secretome builds and patterns a sea shell. BMC Biology, 2006, 4, 40. | 3.8 | 180 |
| 18 | Unexpected Repertoire of Metazoan Transcription Factors in the Unicellular Holozoan Capsaspora owczarzaki. Molecular Biology and Evolution, 2011, 28, 1241-1254. | 8.9 | 172 |

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| 19 | An ancient and variable mannose-binding lectin from the coral Acropora millepora binds both pathogens and symbionts. Developmental and Comparative Immunology, 2008, 32, 1582-1592. | 2.3 | 170 |
| 20 | Developmental expression of transcription factor genes in a demosponge: insights into the origin of metazoan multicellularity. Evolution & Development, 2006, 8, 150-173. | 2.0 | 165 |
| 21 | The NK Homeobox Gene Cluster Predates the Origin of Hox Genes. Current Biology, 2007, 17, 706-710. | 3.9 | 159 |
| 22 | Novel cytotoxic compounds from the ascidian Lissoclinum bistratum. Journal of Medicinal Chemistry, 1989, 32, 1354-1359. | 6.4 | 157 |
| 23 | The crown-of-thorns starfish genome as a guide for biocontrol of this coral reef pest. Nature, 2017, 544, 231-234. | 27.8 | 157 |
| 24 | New cyclic peptides with cytotoxic activity from the ascidian Lissoclinum patella. Journal of Medicinal Chemistry, 1989, 32, 1349-1354. | 6.4 | 151 |
| 25 | Nuclear-localized tiny RNAs are associated with transcription initiation and splice sites in metazoans. Nature Structural and Molecular Biology, 2010, 17, 1030-1034. | 8.2 | 146 |
| 26 | Sea shell diversity and rapidly evolving secretomes: insights into the evolution of biomineralization. Frontiers in Zoology, 2016, 13, 23. | 2.0 | 144 |
| 27 | Sponge Genes Provide New Insight into the Evolutionary Origin of the Neurogenic Circuit. Current Biology, 2008, 18, 1156-1161. | 3.9 | 140 |
| 28 | A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 235-244. | 0.9 | 138 |
| 29 | Hemichordates and deuterostome evolution: robust molecular phylogenetic support for a hemichordate + echinoderm clade. Evolution & Development, 1999, 1, 166-171. | 2.0 | 137 |
| 30 | Early evolution of metazoan transcription factors. Current Opinion in Genetics and Development, 2009, 19, 591-599. | 3.3 | 123 |
| 31 | The evolutionary origin of hedgehog proteins. Current Biology, 2007, 17, R836-R837. | 3.9 | 121 |
| 32 | Proteomic analysis of the organic matrix of the abalone Haliotis asinina calcified shell. Proteome Science, 2010, 8, 54. | 1.7 | 119 |
| 33 | Expression of anterior Hox genes during larval development of the gastropod Haliotis asinina. Evolution & Development, 2003, 5, 508-521. | 2.0 | 113 |
| 34 | Embryogenesis and metamorphosis in a haplosclerid demosponge: gastrulation and transdifferentiation of larval ciliated cells to choanocytes. Invertebrate Biology, 2002, 121, 171-189. | 0.9 | 112 |
| 35 | Structure and expression of conserved Wnt pathway components in the demosponge Amphimedon queenslandica. Evolution & Development, 2010, 12, 494-518. | 2.0 | 112 |
| 36 | Sponge Paleogenomics Reveals an Ancient Role for Carbonic Anhydrase in Skeletogenesis. Science, 2007, 316, 1893-1895. | 12.6 | 111 |

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| 37 | Theetsmultigene family is conserved throughout the Metazoa. Nucleic Acids Research, 1993, 21, 3479-3484. | 14.5 | 106 |
| 38 | Pluripotency and the origin of animal multicellularity. Nature, 2019, 570, 519-522. | 27.8 | 106 |
| 39 | Phylogeography of western Pacific Leucetta 'chagosensis' (Porifera: Calcarea) from ribosomal DNA sequences: implications for population history and conservation of the Great Barrier Reef World Heritage Area (Australia). Molecular Ecology, 2002, 11, 1753-1768. | 3.9 | 104 |
| 40 | Nervous and muscle system development in Phascolion strombus (Sipuncula). Development Genes and Evolution, 2005, 215, 509-518. | 0.9 | 104 |
| 41 | Piecing together evolution of the vertebrate endocrine system. Trends in Genetics, 2004, 20, 359-366. | 6.7 | 100 |
| 42 | Dynamic expression of ancient and novel molluscan shell genes during ecological transitions. BMC Evolutionary Biology, 2007, 7, 160. | 3.2 | 100 |
| 43 | The Origins of Novel Protein Interactions during Animal Opsin Evolution. PLoS ONE, 2007, 2, e1054. | 2.5 | 99 |
| 44 | The Dawn of Developmental Signaling in the Metazoa. Cold Spring Harbor Symposia on Quantitative Biology, 2009, 74, 81-90. | 1.1 | 94 |
| 45 | Origin of animal epithelia: insights from the sponge genome. Evolution & Development, 2010, 12, 601-617. | 2.0 | 94 |
| 46 | Deep developmental transcriptome sequencing uncovers numerous new genes and enhances gene annotation in the sponge Amphimedon queenslandica. BMC Genomics, 2015, 16, 387. | 2.8 | 91 |
| 47 | Spectral sensitivity in a sponge larva. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2002, 188, 199-202. | 1.6 | 90 |
| 48 | Blue-light-receptive cryptochrome is expressed in a sponge eye lacking neurons and opsin. Journal of Experimental Biology, 2012, 215, 1278-1286. | 1.7 | 90 |
| 49 | Deep conservation of the enhancer regulatory code in animals. Science, 2020, 370, . | 12.6 | 89 |
| 50 | Evolution of the tyrosinase gene family in bivalve molluscs: Independent expansion of the mantle gene repertoire. Acta Biomaterialia, 2014, 10, 3855-3865. | 8.3 | 86 |
| 51 | The genome of the sponge Amphimedon queenslandica provides new perspectives into the origin of Tollâ€like and interleukin 1 receptor pathways. Evolution & Development, 2010, 12, 519-533. | 2.0 | 79 |
| 52 | A hox/hom homeobox gene in sponges. Gene, 1995, 155, 175-177. | 2.2 | 78 |
| 53 | Evolution of a Novel Carotenoid-Binding Protein Responsible for Crustacean Shell Color. Molecular Biology and Evolution, 2009, 26, 1851-1864. | 8.9 | 78 |
| 54 | Evolutionary origin of gastrulation: insights from sponge development. BMC Biology, 2014, 12, 26. | 3.8 | 78 |

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| 55 | Early evolution of the LIM homeobox gene family. BMC Biology, 2010, 8, 4. | 3.8 | 77 |
| 56 | Pattern, synchrony and predictability of spawning of the tropical abalone Haliotis asinina from Heron Reef, Australia. Marine Ecology - Progress Series, 2001, 213, 193-202. | 1.9 | 76 |
| 57 | A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 245-253. | 0.9 | 69 |
| 58 | Evolutionary genomics of the Fox genes: Origin of gene families and the ancestry of gene clusters. Genomics, 2010, 95, 256-260. | 2.9 | 68 |
| 59 | Induction of metamorphosis with potassium ions requires development of competence and an anterior signalling centre in the ascidian Herdmania momus. Development Genes and Evolution, 1997, 206, 370-376. | 0.9 | 67 |
| 60 | Pleistocene isolation and recent gene flow in Haliotis asinina, an Indo-Pacific vetigastropod with limited dispersal capacity. Molecular Ecology, 2006, 16, 289-304. | 3.9 | 67 |
| 61 | Real-time RT-PCR quantification of Kuruma shrimp transcripts: A comparison of relative and absolute quantification procedures. Journal of Biotechnology, 2007, 129, 391-399. | 3.8 | 67 |
| 62 | Co-option and de novo gene evolution underlie molluscan shell diversity. Molecular Biology and Evolution, 2017, 34, msw294. | 8.9 | 67 |
| 63 | A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 254-263. | 0.9 | 66 |
| 64 | Differential expression of immune-related genes and transposable elements in black tiger shrimp (Penaeus monodon) exposed to a range of environmental stressors. Fish and Shellfish Immunology, 2007, 23, 1072-1088. | 3.6 | 66 |
| 65 | Dynamic and Widespread lncRNA Expression in a Sponge and the Origin of Animal Complexity. Molecular Biology and Evolution, 2015, 32, 2367-2382. | 8.9 | 66 |
| 66 | Male Accessory Gland Protein Reduces Egg Laying in a Simultaneous Hermaphrodite. PLoS ONE, 2010, 5, e10117. | 2.5 | 65 |
| 67 | The origin of the ADAR gene family and animal RNA editing. BMC Evolutionary Biology, 2015, 15, 4. | 3.2 | 65 |
| 68 | Ecological regulation of development: induction of marine invertebrate metamorphosis. International Journal of Developmental Biology, 2002, 46, 679-86. | 0.6 | 65 |
| 69 | Origin, evolution and classification of type-3 copper proteins: lineage-specific gene expansions and losses across the Metazoa. BMC Evolutionary Biology, 2013, 13, 96. | 3.2 | 64 |
| 70 | Short-term hyperthermic treatment of Penaeus monodon increases expression of heat shock protein 70 (HSP70) and reduces replication of gill associated virus (GAV). Aquaculture, 2006, 253, 82-90. | 3.5 | 63 |
| 71 | Esterified astaxanthin levels in lobster epithelia correlate with shell colour intensity: Potential role in crustacean shell colour formation. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 141, 307-313. | 1.6 | 62 |
| 72 | The diversification of the basic leucine zipper family in eukaryotes correlates with the evolution of multicellularity. BMC Evolutionary Biology, 2016, 16, 28. | 3.2 | 62 |

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| 73 | Quantitative real-time RT-PCR demonstrates that handling stress can lead to rapid increases of gill-associated virus (GAV) infection levels in Penaeus monodon. Diseases of Aquatic Organisms, 2004, 59, 195-203. | 1.0 | 60 |
| 74 | Immunocytochemistry and metamorphic fate of the larval nervous system of Triphyllozoon mucronatum (Ectoprocta: Gymnolaemata: Cheilostomata). Zoomorphology, 2005, 124, 161-170. | 0.8 | 59 |
| 75 | Stress-induced gene expression profiling in the black tiger shrimp Penaeus monodon. Physiological Genomics, 2007, 31, 126-138. | 2.3 | 59 |
| 76 | The transcription factor NF-Î¹B in the demosponge Amphimedon queenslandica: insights on the evolutionary origin of the Rel homology domain. Development Genes and Evolution, 2008, 218, 23-32. | 0.9 | 59 |
| 77 | The evolution of mollusc shells. Wiley Interdisciplinary Reviews: Developmental Biology, 2018, 7, e313. | 5.9 | 59 |
| 78 | The role of MAPK signaling in patterning and establishing axial symmetry in the gastropod Haliotis asinina. Developmental Biology, 2007, 311, 200-212. | 2.0 | 58 |
| 79 | 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 |
| 80 | Developmental and Morphogenetic Gene Regulation inHaliotis rufescensLarvae at Metamorphosis. American Zoologist, 1995, 35, 391-398. | 0.7 | 56 |
| 81 | Demosponge and Sea Anemone Fibrillar Collagen Diversity Reveals the Early Emergence of A/C Clades and the Maintenance of the Modular Structure of Type V/XI Collagens from Sponge to Human. Journal of Biological Chemistry, 2008, 283, 28226-28235. | 3.4 | 55 |
| 82 | Widespread transcriptional changes preâ€empt the critical pelagicâ€“benthic transition in the vetigastropod Haliotis asinina. Molecular Ecology, 2009, 18, 1006-1025. | 3.9 | 55 |
| 83 | What sponges can tell us about the evolution of developmental processes. Zoology, 2011, 114, 1-10. | 1.2 | 55 |
| 84 | Functionalization of a protosynaptic gene expression network. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10612-10618. | 7.1 | 55 |
| 85 | Rapid evolution of pearl oyster shell matrix proteins with repetitive, low-complexity domains. Journal of the Royal Society Interface, 2013, 10, 20130041. | 3.4 | 55 |
| 86 | An ancient role for nitric oxide in regulating the animal pelagobenthic life cycle: evidence from a marine sponge. Scientific Reports, 2016, 6, 37546. | 3.3 | 54 |
| 87 | Microsatellite Genotyping of Individual Abalone Larvae: Parentage Assignment in Aquaculture. Marine Biotechnology, 2001, 3, 478-485. | 2.4 | 53 |
| 88 | Extreme Aggression in Male Squid Induced by a Î²-MSP-like Pheromone. Current Biology, 2011, 21, 322-327. | 3.9 | 53 |
| 89 | Expression of a Scr/Hox5 gene in the larval central nervous system of the gastropod Haliotis, a nonâ€segmented spiralian lophotrochozoan. Evolution & Development, 2000, 2, 294-302. | 2.0 | 52 |
| 90 | Mitochondrial Diversity of Early-Branching Metazoa Is Revealed by the Complete mt Genome of a Haplosclerid Demosponge. Molecular Biology and Evolution, 2007, 24, 19-22. | 8.9 | 52 |

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| 91 | Retinoic acid perturbs Otx gene expression in the ascidian pharynx. Development Genes and Evolution, 2000, 210, 129-139. | 0.9 | 51 |
| 92 | BLIND ordering of large-scale transcriptomic developmental timecourses. Development (Cambridge), 2014, 141, 1161-1166. | 2.5 | 51 |
| 93 | Landscape of histone modifications in a sponge reveals the origin of animal cis-regulatory complexity. ELife, 2017, 6, . | 6.0 | 51 |
| 94 | Heritability estimates for growth in the tropical abalone Haliotis asinina using microsatellites to assign parentage. Aquaculture, 2006, 259, 146-152. | 3.5 | 50 |
| 95 | Retinoic acid disrupts anterior ectodermal and endodermal development in ascidian larvae and postlarvae. Development Genes and Evolution, 1998, 208, 336-345. | 0.9 | 49 |
| 96 | FMRFamide gene and peptide expression during central nervous system development of the cephalopod mollusk, Idiosepius notoides. Evolution & Development, 2010, 12, 113-130. | 2.0 | 49 |
| 97 | Evolution of RNA-Binding Proteins in Animals: Insights from Genome-Wide Analysis in the Sponge Amphimedon queenslandica. Molecular Biology and Evolution, 2011, 28, 2289-2303. | 8.9 | 49 |
| 98 | Control of shell pigmentation by secretory tubules in the abalone mantle. Frontiers in Zoology, 2014, 11, . | 2.0 | 49 |
| 99 | The Penaeus monodon Chitinase 1 Gene Is Differentially Expressed in the Hepatopancreas During the Molt Cycle. Marine Biotechnology, 2000, 2, 126-135. | 2.4 | 47 |
| 100 | Candidate chemoreceptor subfamilies differentially expressed in the chemosensory organs of the mollusc Aplysia. BMC Biology, 2009, 7, 28. | 3.8 | 47 |
| 101 | The initiation of metamorphosis as an ancient polyphenic trait and its role in metazoan life-cycle evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 641-651. | 4.0 | 47 |
| 102 | Transcriptome profiling of the demosponge Amphimedon queenslandica reveals genome-wide events that accompany major life cycle transitions. BMC Genomics, 2012, 13, 209. | 2.8 | 47 |
| 103 | Convergent evolution of a vertebrate-like methylome in a marine sponge. Nature Ecology and Evolution, 2019, 3, 1464-1473. | 7.8 | 47 |
| 104 | Sponge Development and Antiquity of Animal Pattern Formation. Integrative and Comparative Biology, 2005, 45, 335-341. | 2.0 | 46 |
| 105 | Origin and Evolution of Laminin Gene Family Diversity. Molecular Biology and Evolution, 2012, 29, 1823-1836. | 8.9 | 45 |
| 106 | Developmental expression of Hsp90, Hsp70 and HSF during morphogenesis in the vetigastropod Haliotis asinina. Development Genes and Evolution, 2007, 217, 603-612. | 0.9 | 44 |
| 107 | Origin and evolution of the metazoan non-coding regulatory genome. Developmental Biology, 2017, 427, 193-202. | 2.0 | 42 |
| 108 | The Iron-Responsive Genome of the Chiton Acanthopleura granulata. Genome Biology and Evolution, 2021, 13, . | 2.5 | 42 |

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| 109 | Gene expression during early ascidian metamorphosis requires signalling by Hemps, an EGF-like protein. Development (Cambridge), 2004, 131, 2921-2933. | 2.5 | 41 |
| 110 | Expression of serotonin (5-HT) during CNS development of the cephalopod mollusk, Idiosepius notoides. Cell and Tissue Research, 2010, 342, 161-178. | 2.9 | 41 |
| 111 | The importance of evo-devo to an integrated understanding of molluscan biomineralisation. Journal of Structural Biology, 2016, 196, 67-74. | 2.8 | 41 |
| 112 | Muscle-specific regulation of tropomyosin gene expression and myofibrillogenesis differs among muscle systems examined at metamorphosis of the gastropod Haliotis rufescens. Development Genes and Evolution, 1997, 206, 464-471. | 0.9 | 40 |
| 113 | Marked changes in neuropeptide expression accompany broadcast spawnings in the gastropod Haliotis asinina. Frontiers in Zoology, 2012, 9, 9. | 2.0 | 40 |
| 114 | Genomic organization of <scp>H</scp>ox and <scp>P</scp>ara<scp>H</scp>ox clusters in the echinoderm, <scp>A</scp>canthaster planci. Genesis, 2014, 52, 952-958. | 1.6 | 40 |
| 115 | Evolution in temperate and tropical seas: Disparate patterns in southern hemisphere abalone (Mollusca: Vetigastropoda: Haliotidae). Molecular Phylogenetics and Evolution, 2006, 41, 249-256. | 2.7 | 36 |
| 116 | Mox homeobox expression in muscle lineage of the gastropod Haliotis asinina : evidence for a conserved role in bilaterian myogenesis. Development Genes and Evolution, 2002, 212, 141-144. | 0.9 | 35 |
| 117 | Phylogenetic Analyses Under Secondary Structure-Specific Substitution Models Outperform Traditional Approaches: Case Studies with Diploblast LSU. Journal of Molecular Evolution, 2007, 64, 543-557. | 1.8 | 35 |
| 118 | The expression of Delta ligands in the sponge Amphimedon queenslandica suggests an ancient role for Notch signaling in metazoan development. EvoDevo, 2012, 3, 15. | 3.2 | 35 |
| 119 | The origin of the pelagobenthic metazoan life cycle: what's sex got to do with it?. Integrative and Comparative Biology, 2006, 46, 683-690. | 2.0 | 34 |
| 120 | Identifying the germline in an equally cleaving mollusc: Vasa and Nanos expression during embryonic and larval development of the vetigastropod Haliotis asinina. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2010, 314B, 267-279. | 1.3 | 34 |
| 121 | Expression of Pax258 in the gastropod statocyst: insights into the antiquity of metazoan geosensory organs. Evolution & Development, 2003, 5, 572-578. | 2.0 | 33 |
| 122 | Ancestral role of Pax2/5/8 in molluscan brain and multimodal sensory system development. BMC Evolutionary Biology, 2015, 15, 231. | 3.2 | 33 |
| 123 | Developmental expression of a class IV POU gene in the gastropod Haliotis asinina supports a conserved role in sensory cell development in bilaterians. Development Genes and Evolution, 2002, 212, 394-398. | 0.9 | 32 |
| 124 | Production of triploid Kuruma shrimp, Marsupenaeus (Penaeus) japonicus (Bate) nauplii through inhibition of polar body I, or polar body I and II extrusion using 6-dimethylaminopurine. Aquaculture, 2006, 256, 337-345. | 3.5 | 32 |
| 125 | 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 |
| 126 | Expression of POU, Sox, and Pax Genes in the Brain Ganglia of the Tropical Abalone Haliotis asinina. Marine Biotechnology, 2000, 2, 545-557. | 2.4 | 31 |

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| 127 | Sensory Flask Cells in Sponge Larvae Regulate Metamorphosis via Calcium Signaling. Integrative and Comparative Biology, 2015, 55, 1018-1027. | 2.0 | 31 |
| 128 | Isolation of Amphimedon Developmental Material. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5095-pdb.prot5095. | 0.3 | 29 |
| 129 | Normal development and embryonic gene activity of the ascidian Herdmania momus. Marine and Freshwater Research, 1996, 47, 543. | 1.3 | 28 |
| 130 | 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 |
| 131 | Deciphering the fossil record of early bilaterian embryonic development in light of experimental taphonomy. Evolution & Development, 2008, 10, 339-349. | 2.0 | 27 |
| 132 | The ontogeny of choanocyte chambers during metamorphosis in the demosponge Amphimedon queenslandica. EvoDevo, 2016, 7, 6. | 3.2 | 27 |
| 133 | Origin and evolution of the sponge aggregation factor gene family. Molecular Biology and Evolution, 2017, 34, msx058. | 8.9 | 27 |
| 134 | Convergent Antifouling Activities of Structurally Distinct Bioactive Compounds Synthesized Within Two Sympatric Haliclona Demosponges. Marine Biotechnology, 2009, 11, 188-198. | 2.4 | 26 |
| 135 | The ParaHox gene Gsx patterns the apical organ and central nervous system but not the foregut in scaphopod and cephalopod mollusks. EvoDevo, 2015, 6, 41. | 3.2 | 26 |
| 136 | Porifera. , 2015, , 65-106. | | 26 |
| 137 | rRNA genes from the lower chordateHerdmania momus: structural similarity with higher eukaryotes. Nucleic Acids Research, 1990, 18, 7063-7070. | 14.5 | 25 |
| 138 | Chymotrypsin mRNA expression in digestive gland amoebocytes: cell specification occurs prior to metamorphosis and gut morphogenesis in the gastropod, Haliotis rufescens. Roux's Archives of Developmental Biology, 1995, 205, 97-101. | 1.2 | 25 |
| 139 | Neuroectodermal and endodermal expression of the ascidian Cdx gene is separated by metamorphosis. Development Genes and Evolution, 2000, 210, 212-216. | 0.9 | 25 |
| 140 | Expression of a poriferan potassium channel: insights into the evolution of ion channels in metazoans. Journal of Experimental Biology, 2009, 212, 761-767. | 1.7 | 25 |
| 141 | POU genes are expressed during the formation of individual ganglia of the cephalopod central nervous system. EvoDevo, 2014, 5, 41. | 3.2 | 25 |
| 142 | Inhibition of Settlement and Metamorphosis of the Ascidian Herdmania curvata by Non-geniculate Coralline Algae. Biological Bulletin, 1999, 197, 332-340. | 1.8 | 24 |
| 143 | Aplysia temptinâ€ƒâ€”â€ƒthe â€˜glueâ€™ in the waterâ€borne attractin pheromone complex. FEBS Journal, 2007, 274, 5425-5437. | 4.7 | 24 |
| 144 | The Demosponge Amphimedon queenslandica: Reconstructing the Ancestral Metazoan Genome and Deciphering the Origin of Animal Multicellularity. Cold Spring Harbor Protocols, 2008, 2008, pdb.emo108. | 0.3 | 24 |

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| 145 | Host and donor influence on pearls produced by the silver-lip pearl oyster, Pinctada maxima. Aquaculture, 2016, 450, 313-320. | 3.5 | 24 |
| 146 | Living in a potentially toxic environment: comparisons of endofauna in two congeneric sponges from the Great Barrier Reef. Marine Ecology - Progress Series, 2005, 304, 67-75. | 1.9 | 23 |
| 147 | The effect of larval age on morphology and gene expression during ascidian metamorphosis. Integrative and Comparative Biology, 2006, 46, 760-776. | 2.0 | 22 |
| 148 | The systematics of Raspailiidae (Demospongiae: Poecilosclerida: Microcionina) re-analysed with a ribosomal marker. Journal of the Marine Biological Association of the United Kingdom, 2007, 87, 1571-1576. | 0.8 | 22 |
| 149 | Molecular analysis of two FMRFamideâ€encoding transcripts expressed during the development of the tropical abalone haliotis asinina. Journal of Comparative Neurology, 2011, 519, 2043-2059. | 1.6 | 22 |
| 150 | Diverse RNA interference strategies in early-branching metazoans. BMC Evolutionary Biology, 2018, 18, 160. | 3.2 | 22 |
| 151 | Highly polymorphic microsatellite loci in the Heron Reef population of the tropical abaloneHaliotis asinina. Molecular Ecology, 2000, 9, 1184-1186. | 3.9 | 21 |
| 152 | Digenean trematodes infecting the tropical abalone Haliotis asinina have species-specific cercarial emergence patterns that follow daily or semilunar spawning cycles. Marine Biology, 2005, 148, 285-292. | 1.5 | 20 |
| 153 | A PL10 vasa-Like Gene in the Kuruma Shrimp, Marsupenaeus japonicus, Expressed During Development and in Adult Gonad. Marine Biotechnology, 2007, 9, 377-387. | 2.4 | 20 |
| 154 | Will increased storm disturbance affect the biodiversity of intertidal, nonscleractinian sessile fauna on coral reefs?. Global Change Biology, 2008, 14, 2755-2770. | 9.5 | 20 |
| 155 | Partitioning of genetically distinct cell populations in chimeric juveniles of the sponge Amphimedon queenslandica. Developmental and Comparative Immunology, 2008, 32, 1270-1280. | 2.3 | 20 |
| 156 | Does the High Gene Density in the Sponge NK Homeobox Gene Cluster Reflect Limited Regulatory Capacity?. Biological Bulletin, 2008, 214, 205-217. | 1.8 | 20 |
| 157 | Diversity of Mycobacterium species from marine sponges and their sensitivity to antagonism by sponge-derived rifamycin-synthesizing actinobacterium in the genus Salinispora. FEMS Microbiology Letters, 2010, 313, 33-40. | 1.8 | 20 |
| 158 | A Mox homeobox gene in the gastropod molluscHaliotis rufescensis differentially expressed during larval morphogenesis and metamorphosis. FEBS Letters, 1997, 411, 119-122. | 2.8 | 19 |
| 159 | NUMTs in the Sponge Genome Reveal Conserved Transposition Mechanisms in Metazoans. Molecular Biology and Evolution, 2011, 28, 1-5. | 8.9 | 19 |
| 160 | Characterization of mucusâ€associated proteins from abalone (Haliotis) â€“ candidates for chemical signaling. FEBS Journal, 2012, 279, 437-450. | 4.7 | 19 |
| 161 | The Widespread Prevalence and Functional Significance of Silk-Like Structural Proteins in Metazoan Biological Materials. PLoS ONE, 2016, 11, e0159128. | 2.5 | 19 |
| 162 | Pleiotropic developmental expression of HasPOU-III, a class III POU gene, in the gastropod Haliotis asinina. Mechanisms of Development, 2002, 114, 129-132. | 1.7 | 18 |

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