Sea Anemone Genome Reveals Ancestral Eumetazoan G Organization

Science

317, 86-94

DOI: 10.1126/science.1139158

Citation Report

#	Article	IF	Citations
1	Life: The Final Frontier for Complexity?. , 2013, .		9
2	Intron Loss and Gain in Drosophila. Molecular Biology and Evolution, 2007, 24, 2842-50.	6.2	75
3	Divergent Functions of Two Ancient Hydra Brachyury Paralogues Suggest Specific Roles for Their C-Terminal Domains in Tissue Fate Induction. Development (Cambridge), 2007, 134, 4187-4197.	3.7	49
4	Trio's Rho-Specific GEF Domain Is the Missing Gαq Effector in C. Elegans. Genes and Development, 2007, 21, 2731-2746.	4.8	78
5	Upgrades to StellaBase Facilitate Medical and Genetic Studies on the Starlet Sea Anemone, Nematostella vectensis. Nucleic Acids Research, 2008, 36, D607-11.	19.7	20
6	Exceptionally Preserved Jellyfishes From the Middle Cambrian. PLoS ONE, 2007, 2, e1121.	3.2	145
7	Early Development and Axis Specification in the Sea Anemone Nematostella vectensis. Developmental Biology, 2007, 310, 264-279.	2.1	121
8	Surprising Complexity of the Ancestral Apoptosis Network. Genome Biology, 2007, 8, 1-8.	9.8	82
9	Drawing the Tree of Eukaryotic Life Based on the Analysis of 2,269 Manually Annotated Myosins From 328 Species. Genome Biology, 2007, 8, 1-23.	9.8	346
10	Hox, Wnt, and the Evolution of the Primary Body Axis: Insights From the Early-Divergent Phyla. Biology Direct, 2007, 2, 1-11.	5.3	52
11	Molecular Evolution of the Vertebrate Mechanosensory Cell and Ear. International Journal of Developmental Biology, 2007, 51, 663-78.	1.9	99
12	The p53 Tumor Suppressor-Like Protein nvp63 Mediates Selective Germ Cell Death in the Sea Anemone Nematostella vectensis. PLoS ONE, 2007, 2, e782.	3.2	67
13	Mammalian Karyotype Evolution. Nature Reviews Genetics, 2007, 8, 950-962.	59.2	291
14	Evolutionary Developmental Biology and Genomics. Nature Reviews Genetics, 2007, 8, 932-942.	59.2	130
15	Dicyema Pax6 and Zic: Tool-Kit Genes in a Highly Simplified Bilaterian. BMC Evolutionary Biology, 2007, 7, 1-16.	3.7	31
16	Helitrons on a Roll: Eukaryotic Rolling-Circle Transposons. Trends in Genetics, 2007, 23, 521-529.	13.4	249
17	Environmental Sensing and Response Genes in Cnidaria: The Chemical Defensome in the Sea Anemone Nematostella vectensis. Cell Biology and Toxicology, 2008, 24, 483-502.	6.6	92
18	The Evolution of Alternative Splicing in the Pax Family: The View From the Basal Chordate Amphioxus. Journal of Molecular Evolution, 2008, 66, 605-620.	2.1	30

#	Article	IF	Citations
19	Ancient Origin of the Parkinson Disease Gene LRRK2. Journal of Molecular Evolution, 2008, 67, 41-50.	2.1	70
20	Lysine Conservation and Context in TGFβ and Wnt Signaling Suggest New Targets and General Themes for Posttranslational Modification. Journal of Molecular Evolution, 2008, 67, 323-333.	2.1	14
21	The Neural Crest and Neural Crest Cells: Discovery and Significance for Theories of Embryonic Organization. Journal of Biosciences, 2008, 33, 781-793.	1.9	94
22	Do Teashirt Family Genes Specify Trunk Identity? Insights From the Single Tiptop/Teashirt Homolog of Tribolium castaneum. Development Genes and Evolution, 2008, 218, 141-152.	1.6	25
23	Developmental Expression of Homeobox Genes in the Ctenophore Mnemiopsis leidyi. Development Genes and Evolution, 2008, 218, 307-319.	1.6	65
24	Early Development, Pattern, and Reorganization of the Planula Nervous System in Aurelia (Cnidaria, Scyphozoa). Development Genes and Evolution, 2008, 218, 511-524.	1.6	66
25	NK Homeobox Genes With Choanocyte-Specific Expression in Homoscleromorph Sponges. Development Genes and Evolution, 2008, 218, 479-489.	1.6	37
26	Conserved Cluster Organization of Insect Runx Genes. Development Genes and Evolution, 2008, 218, 567-574.	1.6	14
27	Movers and Shakers: Evolution and Development of the Mesoderm. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2008, 310B, 1-4.	1.8	16
28	Paleogenomics in Vertebrates, or the Recovery of Lost Genomes From the Mist of Time. BioEssays, 2008, 30, 122-134.	3.2	39
29	When Good Transcripts Go Bad: Artifactual RT-PCR 'Splicing' and Genome Analysis. BioEssays, 2008, 30, 601-605.	3.2	59
30	Compagen, a Comparative Genomics Platform for Early Branching Metazoan Animals, Reveals Early Origins of Genes Regulating Stem-Cell Differentiation. BioEssays, 2008, 30, 1010-1018.	3.2	98
31	Wnt Signaling in Cnidarians. Methods in Molecular Biology, 2008, 469, 47-54.	1.2	19
32	The Amphioxus Genome and the Evolution of the Chordate Karyotype. Nature, 2008, 453, 1064-1071.	54.7	1,468
33	The Trichoplax Genome and the Nature of Placozoans. Nature, 2008, 454, 955-960.	54.7	819
34	Early Origins and Evolution of microRNAs and Piwi-Interacting RNAs in Animals. Nature, 2008, 455, 1193-1197.	54.7	674
35	Small Regulatory RNAs Pitch In. Nature, 2008, 455, 1184-1185.	54.7	20
36	Plasma Bubbles Detect Elements. Nature, 2008, 455, 1185-1186.	54.7	28

#	Article	IF	Citations
37	A Universal Classification of Eukaryotic Transposable Elements Implemented in Repbase. Nature Reviews Genetics, 2008, 9, 411-412.	59.2	472
38	Toll-Like Receptors — Taking an Evolutionary Approach. Nature Reviews Genetics, 2008, 9, 165-178.	59.2	548
39	The Functional Repertoires of Metazoan Genomes. Nature Reviews Genetics, 2008, 9, 689-698.	59.2	102
40	The Evolution of Cell Types in Animals: Emerging Principles From Molecular Studies. Nature Reviews Genetics, 2008, 9, 868-882.	59.2	439
41	Inositol Derivatives: Evolution and Functions. Nature Reviews Molecular Cell Biology, 2008, 9, 151-161.	128.7	401
42	Wonderful Ediacarans, Wonderful Cnidarians?. Evolution & Development, 2008, 10, 263-264.	2.8	11
43	Evolutionary Insights Into the Unique Electromotility Motor of Mammalian Outer Hair Cells. Evolution & Development, 2008, 10, 300-315.	2.8	37
44	Do Cnidarians Have a ParaHox Cluster? Analysis of Synteny Around a Nematostella Homeobox Gene Cluster. Evolution & Development, 2008, 10, 725-730.	2.8	33
45	A Restoration Genetics Guide for Coral Reef Conservation. Molecular Ecology, 2008, 17, 2796-2811.	4.1	265
46	Differential Gene Expression During Thermal Stress and Bleaching in the Caribbean Coral Montastraea faveolata. Molecular Ecology, 2008, 17, 3952-3971.	4.1	390
47	Ancestry and Evolution of a Secretory Pathway Serpin. BMC Evolutionary Biology, 2008, 8, 1-10.	3.7	27
48	Transcriptional Profiling in C. Elegans Suggests DNA Damage Dependent Apoptosis as an Ancient Function of the p53 Family. BMC Genomics, 2008, 9, 1-10.	3.9	62
49	Evolution of the Holozoan Ribosome Biogenesis Regulon. BMC Genomics, 2008, 9, 1-13.	3.9	61
50	Microarray Analysis Identifies Candidate Genes for Key Roles in Coral Development. BMC Genomics, 2008, 9, 1-18.	3.9	128
51	Evolutionary Origin and Genomic Organisation of Runt-Domain Containing Genes in Arthropods. BMC Genomics, 2008, 9, 1-16.	3.9	18
52	Coral Life History and Symbiosis: Functional Genomic Resources for Two Reef Building Caribbean Corals, Acropora palmata and Montastraea faveolata. BMC Genomics, 2008, 9, 1-16.	3.9	124
53	Lipid-Transfer Proteins in Biosynthetic Pathways. Current Opinion in Cell Biology, 2008, 20, 360-370.	6.3	87
54	In Contrast to the Nematode and Fruit Fly All 9 Intron Positions of the Sea Anemone Lamin Gene Are Conserved in Human Lamin Genes. European Journal of Cell Biology, 2008, 87, 305-309.	4.4	13

#	Article	IF	Citations
55	Evolution and Functional Diversity of Jellyfish Opsins. Current Biology, 2008, 18, 51-55.	4.7	137
56	Horizontal Gene Transfer and the Evolution of Cnidarian Stinging Cells. Current Biology, 2008, 18, R858-R859.	4.7	34
57	Visual Neuroscience: Retinotopy Meets Percept-Otopy?. Current Biology, 2008, 18, R1005-R1007.	4.7	2
58	Animal Evolution: Trichoplax, Trees, and Taxonomic Turmoil. Current Biology, 2008, 18, R1003-R1005.	4.7	25
59	Cryptic Complexity Captured: The Nematostella Genome Reveals Its Secrets. Trends in Genetics, 2008, 24, 1-4.	13.4	33
60	Evolution of Complex Structures: Minicollagens Shape the Cnidarian Nematocyst. Trends in Genetics, 2008, 24, 431-438.	13.4	131
61	Are We Degenerate Tetraploids? More Genomes, New Facts. Biology Direct, 2008, 3, 1-9.	5.3	16
62	The Search for the Origin of Cnidarian Nematocysts in Dinoflagellates. , 2008, .		12
63	Novel Genes Dramatically Alter Regulatory Network Topology in Amphioxus. Genome Biology, 2008, 9, 1-9.	9.8	34
64	The Hidden Universal Distribution of Amino Acid Biosynthetic Networks: A Genomic Perspective on Their Origins and Evolution. Genome Biology, 2008, 9, 1-15.	9.8	47
65	Chætognath Transcriptome Reveals Ancestral and Unique Features Among Bilaterians. Genome Biology, 2008, 9, 1-18.	9.8	81
66	Cross-Kingdom Patterns of Alternative Splicing and Splice Recognition. Genome Biology, 2008, 9, 1-19.	9.8	131
67	Evolutionary Biology From Concept to Application. , 2008, .		11
68	Detecting Expression Patterns of Wnt Pathway Components in Nematostella vectensis Embryos. Methods in Molecular Biology, 2008, 469, 55-67.	1.2	6
69	A Phylogenomic Investigation Into the Origin of Metazoa. Molecular Biology and Evolution, 2008, 25, 664-72.	6.2	241
70	Meprins, Membrane-Bound and Secreted Astacin Metalloproteinases. Molecular Aspects of Medicine, 2008, 29, 309-328.	14.1	200
71	The Evolution of the Ligand/Receptor Couple: A Long Road From Comparative Endocrinology to Comparative Genomics. Molecular and Cellular Endocrinology, 2008, 293, 5-16.	3.4	48
72	Intron Retention as a Posttranscriptional Regulatory Mechanism of Neurotoxin Expression at Early Life Stages of the Starlet Anemone Nematostella vectensis. Journal of Molecular Biology, 2008, 380, 437-443.	4.9	45

#	Article	IF	Citations
73	A Rational Nomenclature for Naming Peptide Toxins From Spiders and Other Venomous Animals. Toxicon, 2008, 52, 264-276.	2.4	301
74	Cell Biology in Model Systems as the Key to Understanding Corals. Trends in Ecology and Evolution, 2008, 23, 369-376.	9.7	309
75	The Hedgehog Gene Family of the Cnidarian, Nematostella vectensis, and Implications for Understanding Metazoan Hedgehog Pathway Evolution. Developmental Biology, 2008, 313, 501-518.	2.1	118
76	Darwinian Evolution in the Light of Genomics. Nucleic Acids Research, 2009, 37, 1011-1034.	19.7	204
77	Genomic Structure of Nitric Oxide Synthase in the Terrestrial Slug Is Highly Conserved. Gene, 2008, 415, 74-81.	2.9	26
78	Phospholipases A2 in the Genome of the Sea Anemone Nematostella vectensis. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2008, 3, 226-233.	2.0	17
79	Response of the Symbiotic Cnidarian Anthopleura elegantissima Transcriptome to Temperature and UV Increase. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2008, 3, 283-289.	2.0	66
80	The Cambrian Explosion: How Do We Use the Evidence. BioScience, 2008, 58, 855-864.	6.6	19
81	Concerted Evolution of Sea Anemone Neurotoxin Genes Is Revealed Through Analysis of the Nematostella vectensis Genome. Molecular Biology and Evolution, 2008, 25, 737-47.	6.2	79
82	Acoel Development Supports a Simple Planula-Like Urbilaterian. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1493-501.	5.2	147
83	Does the High Gene Density in the Sponge NK Homeobox Gene Cluster Reflect Limited Regulatory Capacity?. Biological Bulletin, 2008, 214, 205-17.	1.0	21
84	Cyclophilin and the Regulation of Symbiosis in Aiptasia pallida. Biological Bulletin, 2008, 215, 63-72.	1.0	13
85	Genomic Survey of Candidate Stress-Response Genes in the Estuarine Anemone Nematostella vectensis. Biological Bulletin, 2008, 214, 233-54.	1.0	79
86	MicroRNAs and the Advent of Vertebrate Morphological Complexity. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2946-2950.	9.0	380
87	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.	4.2	64
88	Genesis and Expansion of Metazoan Transcription Factor Gene Classes. Molecular Biology and Evolution, 2008, 25, 980-996.	6.2	269
89	FGF Signalling Controls Formation of the Apical Sensory Organ in the Cnidarian Nematostella vectensis. Development (Cambridge), 2008, 135, 1761-1769.	3.7	150
90	An Anti–Transforming Growth Factor β Antibody Suppresses Metastasis via Cooperative Effects on Multiple Cell Compartments. Cancer Research, 2008, 68, 3835-3843.	11.8	233

#	Article	IF	Citations
91	SNAREing the Basis of Multicellularity: Consequences of Protein Family Expansion During Evolution. Molecular Biology and Evolution, 2008, 25, 2055-68.	6.2	74
92	Metagenomic Analysis Indicates That Stressors Induce Production of Herpes-Like Viruses in the Coral Porites compressa. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18413-18418.	9.0	187
93	Assembly of the Cnidarian Camera-Type Eye From Vertebrate-Like Components. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8989-8993.	9.0	117
94	The Golgi Apparatus. , 2008, .		100
95	The Evolution of the Ecdysozoa. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1529-37.	5.2	191
96	Enzymes of the Shikimic Acid Pathway Encoded in the Genome of a Basal Metazoan, Nematostella vectensis, Have Microbial Origins. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2533-2537.	9.0	125
97	Gene Expansion and Retention Leads to a Diverse Tyrosine Kinase Superfamily in Amphioxus. Molecular Biology and Evolution, 2008, 25, 1841-54.	6.2	86
98	Cilium Evolution: Identification of a Novel Protein, Nematocilin, in the Mechanosensory Cilium of Hydra Nematocytes. Molecular Biology and Evolution, 2008, 25, 2009-17.	6.2	27
99	Organization and Evolution of Fibrillarin Gene Introns. Journal of the Kentucky Academy of Science, 2008, 69, 56-64.	0.4	0
100	Near Intron Positions Are Reliable Phylogenetic Markers: An Application to Holometabolous Insects. Molecular Biology and Evolution, 2008, 25, 821-30.	6.2	38
101	Reconstructing Ancestral Genome Content Based on Symmetrical Best Alignments and Dollo Parsimony. Bioinformatics, 2008, 24, 606-12.	6.4	18
102	The Animal in the Genome: Comparative Genomics and Evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1453-61.	5.2	23
103	Unicellular Ca2+ Signaling 'Toolkit' at the Origin of Metazoa. Molecular Biology and Evolution, 2008, 25, 1357-61.	6.2	86
104	The Secretin GPCRs Descended From the Family of Adhesion GPCRs. Molecular Biology and Evolution, 2009, 26, 71-84.	6.2	113
105	Investigation of Loss and Gain of Introns in the Compact Genomes of Pufferfishes (Fugu and Tetraodon). Molecular Biology and Evolution, 2008, 25, 526-35.	6.2	48
106	Alternative Splicing: A Missing Piece in the Puzzle of Intron Gain. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7223-7228.	9.0	42
107	cDNA Sequences for Transcription Factors and Signaling Proteins of the Hemichordate Saccoglossus kowalevskii: Efficacy of the Expressed Sequence Tag (EST) Approach for Evolutionary and Developmental Studies of a New Organism. Biological Bulletin, 2008, 214, 284-302.	1.0	46
108	Molecular Paleobiology and the Cambrian Explosion: 21st Century Answers to 19th Century Problems. The Paleontological Society Papers, 2008, 14, 105-116.	1.5	1

#	Article	IF	Citations
109	Drosophila Neurotrophins Reveal a Common Mechanism for Nervous System Formation. PLoS Biology, 2008, 6, e284.	5.9	110
110	Segmentation, Metamerism and the Cambrian Explosion. International Journal of Developmental Biology, 2009, 53, 1305-16.	1.9	77
111	Identifying and Characterizing a Novel Protein Kinase STK35L1 and Deciphering Its Orthologs and Close-Homologs in Vertebrates. PLoS ONE, 2009, 4, e6981.	3.2	14
112	Activation of Sterol Regulatory Element-Binding Protein by the Caspase Drice in Drosophila Larvae. Journal of Biological Chemistry, 2009, 284, 9674-9682.	4.2	23
113	The Starlet Sea Anemone Nematostella vectensis: An Anthozoan Model Organism for Studies in Comparative Genomics and Functional Evolutionary Developmental Biology. Cold Spring Harbor Protocols, 2009, 2009, pdb.emo129.	0.6	45
114	Alternative Oxidase in Animals: Unique Characteristics and Taxonomic Distribution. Journal of Experimental Biology, 2009, 212, 2627-2634.	2.6	130
115	The Talpid3 Gene (KIAA0586) Encodes a Centrosomal Protein That Is Essential for Primary Cilia Formation. Development (Cambridge), 2009, 136, 655-664.	3.7	134
116	An Atypical CNG Channel Activated by a Single cGMP Molecule Controls Sperm Chemotaxis. Science Signaling, 2009, 2, ra68.	6.7	72
117	BMPs and Chordin Regulate Patterning of the Directive Axis in a Sea Anemone. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18592-18597.	9.0	134
118	Molecular Evolution of the Junctophilin Gene Family. Physiological Genomics, 2009, 37, 175-86.	2.7	83
119	Dynamic Evolution of Immune System Regulators: The History of the Interferon Regulatory Factor Family. Molecular Biology and Evolution, 2009, 26, 2539-2550.	6.2	138
120	Accelerated Evolution of the Prdm9 Speciation Gene Across Diverse Metazoan Taxa. PLoS Genetics, 2009, 5, e1000753.	3.9	266
121	The CKK Domain (DUF1781) Binds Microtubules and Defines the CAMSAP/ssp4 Family of Animal Proteins. Molecular Biology and Evolution, 2009, 26, 2005-2014.	6.2	92
122	New Superfamilies of Eukaryotic DNA Transposons and Their Internal Divisions. Molecular Biology and Evolution, 2009, 26, 983-93.	6.2	63
123	Postsynaptic Regulation of Synaptic Plasticity by Synaptotagmin 4 Requires Both C2 Domains. Journal of Cell Biology, 2009, 187, 295-310.	6.0	43
124	The Division of Labour Model of Eye Evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 2809-17.	5.2	82
125	Cnidarian Internal Stinging Mechanism. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1063-7.	3.4	30
126	Non-Coding RNA Annotation of the Genome of Trichoplax adhaerens. Nucleic Acids Research, 2009, 37, 1602-15.	19.7	56

#	Article	IF	Citations
127	Cellular Pathology and Histopathology of Hypo-Salinity Exposure on the Coral Stylophora pistillata. Science of the Total Environment, 2009, 407, 4838-4851.	8.5	68
128	More Than Just Orphans: Are Taxonomically-Restricted Genes Important in Evolution?. Trends in Genetics, 2009, 25, 404-413.	13.4	376
129	Conservation of the Glucan Phosphatase Laforin Is Linked to Rates of Molecular Evolution and the Glucan Metabolism of the Organism. BMC Evolutionary Biology, 2009, 9, 1-14.	3.7	45
130	Evolutionary Flexibility of Protein Complexes. BMC Evolutionary Biology, 2009, 9, 1-13.	3.7	10
131	Domain Duplication, Divergence, and Loss Events in Vertebrate Msx Paralogs Reveal Phylogenomically Informed Disease Markers. BMC Evolutionary Biology, 2009, 9, 1-23.	3.7	34
132	Multiple Gains of Spliceosomal Introns in a Superfamily of Vertebrate Protease Inhibitor Genes. BMC Evolutionary Biology, 2009, 9, 1-12.	3.7	26
133	FGFRL1 Is a Neglected Putative Actor of the FGF Signalling Pathway Present in All Major Metazoan Phyla. BMC Evolutionary Biology, 2009, 9, 1-14.	3.7	22
134	Nuclear Receptor Complement of the Cnidarian Nematostella vectensis: Phylogenetic Relationships and Developmental Expression Patterns. BMC Evolutionary Biology, 2009, 9, 1-13.	3.7	54
135	An EST Screen From the Annelid Pomatoceros Lamarckiireveals Patterns of Gene Loss and Gain in Animals. BMC Evolutionary Biology, 2009, 9, 1-17.	3.7	36
136	DIRS1-Like Retrotransposons Are Widely Distributed Among Decapoda and Are Particularly Present in Hydrothermal Vent Organisms. BMC Evolutionary Biology, 2009, 9, 1-15.	3.7	17
137	Sequencing and De Novo Analysis of a Coral Larval Transcriptome Using 454 GSFlx. BMC Genomics, 2009, 10, 1-18.	3.9	414
138	Comprehensive EST Analysis of the Symbiotic Sea Anemone, Anemonia viridis. BMC Genomics, 2009, 10, 1-12.	3.9	50
139	Expansion of Tandem Repeats in Sea Anemone Nematostella vectensis Proteome: A Source for Gene Novelty?. BMC Genomics, 2009, 10, 1-17.	3.9	10
140	Cytokine Signaling Mediates UV-Induced Nociceptive Sensitization in Drosophila Larvae. Current Biology, 2009, 19, 799-806.	4.7	138
141	Anatomy and Development of the Nervous System of Nematostella vectensis, an Anthozoan Cnidarian. Developmental Neurobiology, 2009, 69, 235-254.	2.1	221
142	Characterization of Myostatin/gdf8/11 in the Starlet Sea Anemone Nematostella vectensis. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2009, 312B, 780-788.	1.8	18
143	Apprehending Multicellularity: Regulatory Networks, Genomics, and Evolution. Birth Defects Research Part C: Embryo Today Reviews, 2009, 87, 143-164.	3.7	18
144	The Homoscleromorph Sponge Oscarella lobularis, a Promising Sponge Model in Evolutionary and Developmental Biology. BioEssays, 2009, 31, 89-97.	3.2	86

#	Article	IF	Citations
145	The Genome-Centric Concept: Resynthesis of Evolutionary Theory. BioEssays, 2009, 31, 512-525.	3.2	111
146	Classification of Sequence Signatures: A Guide to Hox Protein Function. BioEssays, 2009, 31, 500-511.	3.2	60
147	Conserved Intron Positions in FGFR Genes Reflect the Modular Structure of FGFR and Reveal Stepwise Addition of Domains to an Already Complex Ancestral FGFR. Development Genes and Evolution, 2009, 219, 455-468.	1.6	28
148	Molecular Evolution of SPARC: Absence of the Acidic Module and Expression in the Endoderm of the Starlet Sea Anemone, Nematostella vectensis. Development Genes and Evolution, 2009, 219, 509-521.	1.6	26
149	Specific Expression of BMP2/4 Ortholog in Biomineralizing Tissues of Corals and Action on Mouse BMP Receptor. Marine Biotechnology, 2009, 11, 260-269.	2.8	57
150	The NM23 Family in Development. Molecular and Cellular Biochemistry, 2009, 329, 17-33.	5.7	63
151	Evolutionary History of Na,K-ATPases and Their Osmoregulatory Role. Genetica, 2009, 136, 479-490.	2.0	71
152	What Was the Set of Ubiquitin and Ubiquitin-Like Conjugating Enzymes in the Eukaryote Common Ancestor?. Journal of Molecular Evolution, 2009, 68, 616-628.	2.1	147
153	RBR Ubiquitin Ligases: Diversification and Streamlining in Animal Lineages. Journal of Molecular Evolution, 2009, 69, 54-64.	2.1	33
154	Aplysia Cys-Loop Glutamate-Gated Chloride Channels Reveal Convergent Evolution of Ligand Specificity. Journal of Molecular Evolution, 2009, 69, 125-141.	2.1	46
155	Fusion and Retrotransposition Events in the Evolution of the Sea Anemone Anemonia viridis Neurotoxin Genes. Journal of Molecular Evolution, 2009, 69, 115-124.	2.1	21
156	The Evolutionary History of Lysine Biosynthesis Pathways Within Eukaryotes. Journal of Molecular Evolution, 2009, 69, 240-248.	2.1	36
157	Function, Regulation and Pathological Roles of the Gab/DOS Docking Proteins. Cell Communication and Signaling, 2009, 7, 1-28.	11.7	153
158	Features of the Ancestral Bilaterian Inferred From Platynereis dumerilii ParaHox Genes. BMC Biology, 2009, 7, 1-13.	5.2	59
159	Nuclear Sequences Reveal Mid-Range Isolation of an Imperilled Deep-Water Coral Population. Molecular Ecology, 2009, 18, 2375-2389.	4.1	59
160	Flipping of Alkylated DNA Damage Bridges Base and Nucleotide Excision Repair. Nature, 2009, 459, 808-813.	54.7	129
161	The Schistosoma japonicum Genome Reveals Features of Host–Parasite Interplay. Nature, 2009, 460, 345-351.	54.7	626
162	The Genome of the Blood Fluke Schistosoma mansoni. Nature, 2009, 460, 352-358.	54.7	950

#	Article	IF	Citations
163	p53 Ancestry: Gazing Through an Evolutionary Lens. Nature Reviews Cancer, 2009, 9, 758-762.	65.8	116
164	Current Views of the Origin and Diversification of Tetrapods. Molecular Biology, 2009, 43, 819-833.	0.9	3
165	The Importance of Preadapted Genomes in the Origin of the Animal Bodyplans and the Cambrian Explosion. Evolution; International Journal of Organic Evolution, 2010, 64, 1189-1201.	2.6	28
166	Evolution and Regeneration of the Planarian Central Nervous System. Development Growth and Differentiation, 2009, 51, 185-195.	1.5	101
167	Cnidarians and the Evolutionary Origin of the Nervous System. Development Growth and Differentiation, 2009, 51, 167-183.	1.5	170
168	The Deep Evolution of Metazoan microRNAs. Evolution & Development, 2009, 11, 50-68.	2.8	506
169	Developmental Expression of Apterous/Lhx2/9 in the Sepiolid Squid Euprymna Scolopes Supports an Ancestral Role in Neural Development. Evolution & Development, 2009, 11, 354-362.	2.8	14
170	An Integrated View of Precambrian Eumetazoan Evolution. Cold Spring Harbor Symposia on Quantitative Biology, 2009, 74, 65-80.	2.0	40
171	The Dawn of Developmental Signaling in the Metazoa. Cold Spring Harbor Symposia on Quantitative Biology, 2009, 74, 81-90.	2.0	108
172	Intracellular Ca2+- and Mn2+-Transport ATPases. Chemical Reviews, 2009, 109, 4733-59.	66.7	88
173	Early Evolution of Symmetry and Polarity in Metazoan Body Plans. Comptes Rendus - Biologies, 2009, 332, 184-209.	0.8	109
174	The Diversity of C-Type Lectins in the Genome of a Basal Metazoan, Nematostella vectensis. Developmental and Comparative Immunology, 2009, 33, 881-889.	2.5	56
175	A Developmental Perspective: Changes in the Position of the Blastopore During Bilaterian Evolution. Developmental Cell, 2009, 17, 162-174.	8.6	128
176	Chemical Transmission in the Sea Anemone Nematostella vectensis: A Genomic Perspective. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2009, 4, 268-289.	2.0	108
177	Wnt Signaling and the Polarity of the Primary Body Axis. Cell, 2009, 139, 1056-1068.	38.3	488
178	Early Evolution of Metazoan Transcription Factors. Current Opinion in Genetics and Development, 2009, 19, 591-599.	4.4	128
179	Phylogenetic Conservation of Cytostatic Factor Related Genes in the Ascidian Ciona intestinalis. Gene, 2009, 429, 104-111.	2.9	14
180	Functional Evolution of the Microfibril-Associated Glycoproteins. Gene, 2009, 439, 43-54.	2.9	22

#	Article	IF	Citations
181	The RJL Family of Small GTPases Is an Ancient Eukaryotic Invention Probably Functionally Associated With the Flagellar Apparatus. Gene, 2009, 442, 63-72.	2.9	27
182	Simple and Fast Classification of Non-LTR Retrotransposons Based on Phylogeny of Their RT Domain Protein Sequences. Gene, 2009, 448, 207-213.	2.9	99
183	Sea Anemone Toxins Affecting Voltage-Gated Sodium Channels – Molecular and Evolutionary Features. Toxicon, 2009, 54, 1089-1101.	2.4	104
184	Structures of Sea Anemone Toxins. Toxicon, 2009, 54, 1075-1088.	2.4	73
185	A Hydra With Many Heads: Protein and Polypeptide Toxins From Hydra and Their Biological Roles. Toxicon, 2009, 54, 1148-1161.	2.4	36
186	On the Eve of Animal Radiation: Phylogeny, Ecology and Evolution of the Ediacara Biota. Trends in Ecology and Evolution, 2009, 24, 31-40.	9.7	488
187	Immortality and the Base of Multicellular Life: Lessons From Cnidarian Stem Cells. Seminars in Cell and Developmental Biology, 2009, 20, 1114-1125.	7.1	83
188	Multiple Wnts Are Involved in Hydra Organizer Formation and Regeneration. Developmental Biology, 2009, 330, 186-199.	2.1	274
189	Tailless Patterning Functions Are Conserved in the Honeybee Even in the Absence of Torso Signaling. Developmental Biology, 2009, 335, 276-287.	2.1	45
190	The Evolution of Plasma Cholesterol: Direct Utility or a "Spandrel" of Hepatic Lipid Metabolism?. Progress in Lipid Research, 2009, 48, 73-91.	19.5	73
191	Phase Contrast Synchrotron X-Ray Microtomography of Ediacaran (Doushantuo) Metazoan Microfossils: Phylogenetic Diversity and Evolutionary Implications. Precambrian Research, 2009, 173, 191-200.	2.6	60
192	Multi-Component Complement System of Cnidaria: C3, Bf, and MASP Genes Expressed in the Endodermal Tissues of a Sea Anemone, Nematostella vectensis. Immunobiology, 2009, 214, 165-178.	3.5	106
193	Steroid Metabolism in Cnidarians: Insights From Nematostella vectensis. Molecular and Cellular Endocrinology, 2009, 301, 27-36.	3.4	36
194	Evolution of Spectrin Function in Cytoskeletal and Membrane Networks. Biochemical Society Transactions, 2009, 37, 796-803.	4.8	99
195	Differences in the SNARE Evolution of Fungi and Metazoa. Biochemical Society Transactions, 2009, 37, 787-791.	4.8	26
196	Animal Evolution: Genomes, Fossils, and Trees. , 2009, .		6
197	On the Independent Origins of Complex Brains and Neurons. Brain, Behavior and Evolution, 2009, 74, 177-190.	1.3	180
198	Generation and Analysis of Transcriptomic Resources for a Model System on the Rise: The Sea Anemone Aiptasia pallida and Its Dinoflagellate Endosymbiont. BMC Genomics, 2009, 10, 1-10.	3.9	150

#	Article	IF	Citations
199	The Neural Crest and Neural Crest Cells in Vertebrate Development and Evolution. , 2009, .		92
200	Construction of a High-Resolution Genetic Linkage Map and Comparative Genome Analysis for the Reef-Building Coral Acropora millepora. Genome Biology, 2009, 10, 1-17.	9.8	56
201	Genome Assembly Reborn: Recent Computational Challenges. Briefings in Bioinformatics, 2009, 10, 354-66.	7.6	302
202	Phylogenetic-Signal Dissection of Nuclear Housekeeping Genes Supports the Paraphyly of Sponges and the Monophyly of Eumetazoa. Molecular Biology and Evolution, 2009, 26, 2261-2274.	6.2	166
203	What Determines Coral Health?. Science, 2009, 324, 1153-5.	43.1	75
204	A Single-Copy IS5-Like Transposon in the Genome of a Bdelloid Rotifer. Molecular Biology and Evolution, 2009, 26, 1921-1929.	6.2	19
205	Early Origin of the Bilaterian Developmental Toolkit. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 2253-61.	5.2	97
206	Nucleolar Binding of an Anti-NMDA Receptor Antibody in Hydra: A Non-Canonical Role for an NMDA Receptor Protein?. Journal of Experimental Zoology, 2009, 311A, 763-775.	1.3	7
207	Schistosoma Genomics: New Perspectives on Schistosome Biology and Host-Parasite Interaction. Annual Review of Genomics and Human Genetics, 2009, 10, 211-240.	9.0	129
208	Evolutionary Origins of Blastoporal Expression and Organizer Activity of the Vertebrate Gastrula Organizer Gene lhx1 and Its Ancient Metazoan Paralog lhx3. Development (Cambridge), 2009, 136, 2005-2014.	3.7	29
209	Retinoblastoma-Related Proteins in Lower Eukaryotes. Communicative and Integrative Biology, 2009, 2, 538-544.	2.6	7
210	Molecular Analysis of Heparan Sulfate Biosynthetic Enzyme Machinery and Characterization of Heparan Sulfate Structure in Nematostella vectensis. Biochemical Journal, 2009, 419, 585-593.	4.0	18
211	The Arrestin Fold: Variations on a Theme. Current Genomics, 2009, 10, 133-142.	4.2	73
212	Evolution of the Human Ion Channel Set. Combinatorial Chemistry and High Throughput Screening, 2009, 12, 2-23.	1.9	95
213	Expression of Usherin in the Anthozoan Nematostella vectensis. Biological Bulletin, 2010, 218, 105-12.	1.0	8
214	Services-Based Systems Architecture for Modeling the Whole Cell: A Distributed Collaborative Engineering Systems Approach. Communications in Medical and Care Compunetics, 2010, .	0.0	7
215	Cell Plasticity in Homeostasis and Regeneration. Molecular Reproduction and Development, 2010, 77, 837-855.	3.4	94
216	A Conserved Cluster of Three PRD-Class Homeobox Genes (Homeobrain, Rx and Orthopedia) in the Cnidaria and Protostomia. EvoDevo, 2010, 1, 1-15.	2.9	41

#	Article	IF	Citations
217	Alkyltransferase-Like Proteins: Molecular Switches Between DNA Repair Pathways. Cellular and Molecular Life Sciences, 2010, 67, 3749-3762.	6.6	25
218	Evaluation of Models of the Mechanisms Underlying Intron Loss and Gain in Aspergillus Fungi. Journal of Molecular Evolution, 2010, 71, 364-373.	2.1	33
219	Domain Architecture Evolution of Pattern-Recognition Receptors. Immunogenetics, 2010, 62, 263-272.	2.4	77
220	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.	1.6	28
221	Expansion, Diversification, and Expression of T-Box Family Genes in Porifera. Development Genes and Evolution, 2010, 220, 251-262.	1.6	21
222	The Spectrin–Ankyrin–4.1–Adducin Membrane Skeleton: Adapting Eukaryotic Cells to the Demands of Animal Life. Protoplasma, 2010, 244, 99-131.	3.3	107
223	Discovering SNPs in Protein Coding Regions With StellaSNP: Illustrating the Characterization and Geographic Distribution of Polymorphisms in the Estuarine Anemone Nematostella vectensis. Estuaries and Coasts, 2010, 33, 930-943.	2.6	11
224	The Hydra Model: Disclosing an Apoptosis-Driven Generator of Wnt-Based Regeneration. Trends in Cell Biology, 2010, 20, 514-523.	23.9	87
225	Proteolytic Cascades and Their Involvement in Invertebrate Immunity. Trends in Biochemical Sciences, 2010, 35, 575-583.	12.5	318
226	New Tricks With Old Genes: The Genetic Bases of Novel Cnidarian Traits. Trends in Genetics, 2010, 26, 154-158.	13.4	48
227	Clytia Hemisphaerica: A Jellyfish Cousin Joins the Laboratory. Trends in Genetics, 2010, 26, 159-167.	13.4	116
228	Gene Duplication and the Origins of Morphological Complexity in Pancrustacean Eyes, a Genomic Approach. BMC Evolutionary Biology, 2010, 10, 1-16.	3.7	50
229	High Amino Acid Diversity and Positive Selection at a Putative Coral Immunity Gene (Tachylectin-2). BMC Evolutionary Biology, 2010, 10, 1-15.	3.7	32
230	An Efficient Method to Find Potentially Universal Population Genetic Markers, Applied to Metazoans. BMC Evolutionary Biology, 2010, 10, 1-17.	3.7	41
231	The Backbone of the Post-Synaptic Density Originated in a Unicellular Ancestor of Choanoflagellates and Metazoans. BMC Evolutionary Biology, 2010, 10, 1-10.	3.7	74
232	A Clustered Set of Three Sp-Family Genes Is Ancestral in the Metazoa: Evidence From Sequence Analysis, Protein Domain Structure, Developmental Expression Patterns and Chromosomal Location. BMC Evolutionary Biology, 2010, 10, 1-18.	3.7	47
233	Survey of Transcripts Expressed by the Invasive Juvenile Stage of the Liver Fluke Fasciola hepatica. BMC Genomics, 2010, 11, 1-14.	3.9	56
234	A Manual Collection of Syt, Esyt, Rph3a, Rph3al, Doc2, and Dblc2 Genes From 46 Metazoan Genomes - An Open Access Resource for Neuroscience and Evolutionary Biology. BMC Genomics, 2010, 11, 1-21.	3.9	62

#	Article	IF	Citations
235	Insights Into Metazoan Evolution From Alvinella Pompejana cDNAs. BMC Genomics, 2010, 11, 1-15.	3.9	45
236	Hydractinia Allodeterminant alr1 Resides in an Immunoglobulin Superfamily-Like Gene Complex. Current Biology, 2010, 20, 1122-1127.	4.7	64
237	The Tissue Inhibitors of Metalloproteinases (TIMPs): An Ancient Family With Structural and Functional Diversity. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 55-71.	4.5	1,231
238	Comparative Genomic and Phylogenetic Analysis of Vitellogenin and Other Large Lipid Transfer Proteins in Metazoans. FEBS Letters, 2010, 584, 1273-1278.	3.3	81
239	Phylogenetic Analysis and Evolution of Aromatic Amino Acid Hydroxylase. FEBS Letters, 2010, 584, 4775-4782.	3.3	33
240	"CRASH"Ing With the Worm: Insights Into L1CAM Functions and Mechanisms. Developmental Dynamics, 2010, 239, 1490-1501.	1.9	33
241	Extending the Family Table: Insights From Beyond Vertebrates Into the Regulation of Embryonic Development by FGFs. Birth Defects Research Part C: Embryo Today Reviews, 2010, 90, 214-227.	3.7	24
242	Approaching Marine Bioprospecting in Hexacorals by RNA Deep Sequencing. New Biotechnology, 2010, 27, 267-275.	6.4	20
243	Early Evolution of the LIM Homeobox Gene Family. BMC Biology, 2010, 8, 1-13.	5.2	80
244	The Ancient Function of RB-E2F Pathway: Insights From Its Evolutionary History. Biology Direct, 2010, 5, 1-21.	5.3	51
245	Evolutionary Origin of Rhopalia: Insights From Cellular-Level Analyses of Otx and POU Expression Patterns in the Developing Rhopalial Nervous System. Evolution & Development, 2010, 12, 404-415.	2.8	37
246	Structure and Expression of Conserved Wnt Pathway Components in the Demosponge Amphimedon queenslandica. Evolution & Development, 2010, 12, 494-518.	2.8	126
247	The Genome of the Sponge Amphimedon queenslandica Provides New Perspectives Into the Origin of Toll-Like and Interleukin 1 Receptor Pathways. Evolution & Development, 2010, 12, 519-533.	2.8	89
248	The Rise of Genomics Sheds Light on the Dawn of Animals. Evolution & Development, 2010, 12, 425-427.	2.8	2
249	Origin of Animal Epithelia: Insights From the Sponge Genome. Evolution & Development, 2010, 12, 601-617.	2.8	97
250	Identification of a Novel Snake Peptide Toxin Displaying High Affinity and Antagonist Behaviour for the α2-Adrenoceptors. British Journal of Pharmacology, 2010, 161, 1361-1374.	8.2	47
251	The Transcriptome of the Colonial Marine Hydroid Hydractinia echinata. FEBS Journal, 2010, 277, 197-209.	5.6	24
252	A New Phospholipase A2 Isolated From the Sea Anemone Urticina Crassicornis – Its Primary Structure and Phylogenetic Classification. FEBS Journal, 2010, 277, 2641-2653.	5.6	29

#	Article	IF	Citations
253	The Dynamic Genome of Hydra. Nature, 2010, 464, 592-596.	54.7	727
254	The Amphimedon queenslandica Genome and the Evolution of Animal Complexity. Nature, 2010, 466, 720-726.	54.7	937
255	Visualizing Genomes: Techniques and Challenges. Nature Methods, 2010, 7, S5-S15.	25.5	145
256	Deletion of the Potassium Channel Kv12.2 Causes Hippocampal Hyperexcitability and Epilepsy. Nature Neuroscience, 2010, 13, 1056-1058.	20.2	69
257	Piecemeal or Big Bangs: Correlating the Vertebrate Evolution With Proposed Models of Gene Expansion Events. Nature Reviews Genetics, 2010, 11, 166-166.	59.2	19
258	2R Or Not 2R Is Not the Question Anymore. Nature Reviews Genetics, 2010, 11, 166-166.	59.2	58
259	Constraints and Plasticity in Genome and Molecular-Phenome Evolution. Nature Reviews Genetics, 2010, 11, 487-498.	59.2	143
260	Evolution of Host Innate Defence: Insights From Caenorhabditis elegans and Primitive Invertebrates. Nature Reviews Immunology, 2010, 10, 47-58.	78.4	398
261	The Evolution of the Repertoire and Structure of G Protein-Coupled Receptors. , 2010, .		0
262	Identification and in Vivo Characterization of NvFP-7R, a Developmentally Regulated Red Fluorescent Protein of Nematostella vectensis. PLoS ONE, 2010, 5, e11807.	3.2	23
263	Sexual Plasticity and Self-Fertilization in the Sea Anemone Aiptasia diaphana. PLoS ONE, 2010, 5, e11874.	3.2	35
264	Light Entrained Rhythmic Gene Expression in the Sea Anemone Nematostella vectensis: The Evolution of the Animal Circadian Clock. PLoS ONE, 2010, 5, e12805.	3.2	88
265	Tiny Sea Anemone From the Lower Cambrian of China. PLoS ONE, 2010, 5, e13276.	3.2	65
266	Nme Gene Family Evolutionary History Reveals Pre-Metazoan Origins and High Conservation Between Humans and the Sea Anemone, Nematostella vectensis. PLoS ONE, 2010, 5, e15506.	3.2	29
267	Evolutionary Origins of Hearts. , 2010, .		17
268	Cost-Effective Sequencing of Full-Length cDNA Clones Powered by a De Novo-Reference Hybrid Assembly. PLoS ONE, 2010, 5, e10517.	3.2	11
269	Convergent Origins and Rapid Evolution of Spliced Leader Trans-Splicing in Metazoa: Insights From the Ctenophora and Hydrozoa. Rna, 2010, 16, 696-707.	3.9	35
270	Reconstructing Ancestral Gene Content by Coevolution. Genome Research, 2010, 20, 122-132.	6.0	54

#	Article	IF	Citations
271	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, 641-51.	5.2	52
272	Parallel Loss of Nuclear-Encoded Mitochondrial Aminoacyl-tRNA Synthetases and mtDNA-Encoded tRNAs in Cnidaria. Molecular Biology and Evolution, 2010, 27, 2216-9.	6.2	40
273	The Adhesion GPCRs; Gene Repertoire, Phylogeny and Evolution. Advances in Experimental Medicine and Biology, 2010, 706, 1-13.	2.7	31
274	Uptake and Biochemical Response to B[a]P in the Sea Anemone Anthopleura elegantissima. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 42-8.	2.0	5
275	Ancient Origin of the Integrin-Mediated Adhesion and Signaling Machinery. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10142-10147.	9.0	237
276	Ubiquitous Presence of the Hammerhead Ribozyme Motif Along the Tree of Life. Rna, 2010, 16, 1943-1950.	3.9	90
277	Nematogalectin, a Nematocyst Protein With GlyXY and Galectin Domains, Demonstrates Nematocyte-Specific Alternative Splicing in Hydra. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18539-18544.	9.0	66
278	Evolutionary Expansion and Specialization of the PDZ Domains. Molecular Biology and Evolution, 2010, 27, 1058-69.	6.2	44
279	The Evolution of Thrombospondins and Their Ligand-Binding Activities. Molecular Biology and Evolution, 2010, 27, 2187-97.	6.2	76
280	Widespread Presence of Human BOULE Homologs Among Animals and Conservation of Their Ancient Reproductive Function. PLoS Genetics, 2010, 6, e1001022.	3.9	65
281	Protein Evolution by Molecular Tinkering: Diversification of the Nuclear Receptor Superfamily From a Ligand-Dependent Ancestor. PLoS Biology, 2010, 8, e1000497.	5.9	212
282	Promoter Complexity and Tissue-Specific Expression of Stress Response Components in Mytilus galloprovincialis, a Sessile Marine Invertebrate Species. PLoS Computational Biology, 2010, 6, e1000847.	3.9	10
283	Phylogenetic Analysis of Gene Structure and Alternative Splicing in Alpha-Actinins. Molecular Biology and Evolution, 2010, 27, 773-80.	6.2	15
284	A Muscle-Specific Transgenic Reporter Line of the Sea Anemone, Nematostella vectensis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 104-108.	9.0	147
285	Demosponge EST Sequencing Reveals a Complex Genetic Toolkit of the Simplest Metazoans. Molecular Biology and Evolution, 2010, 27, 2747-56.	6.2	48
286	The Genome of the Western Clawed Frog Xenopus tropicalis. Science, 2010, 328, 633-6.	43.1	758
287	Identification of a Tc1-Like Transposon Integration Site in the Genome of the Flounder (Platichthys flesus): A Novel Use of an Inverse PCR Method. Marine Genomics, 2010, 3, 45-50.	1.4	2
288	Development and Heat Stress-Induced Transcriptomic Changes During Embryogenesis of the Scleractinian Coral Acropora palmata. Marine Genomics, 2010, 3, 51-62.	1.4	48

#	Article	IF	Citations
289	A Neurotropic Herpesvirus Infecting the Gastropod, Abalone, Shares Ancestry With Oyster Herpesvirus and a Herpesvirus Associated With the Amphioxus Genome. Virology Journal, 2010, 7, 1-9.	4.2	78
290	Genomic Insights Into Wnt Signaling in an Early Diverging Metazoan, the Ctenophore Mnemiopsis leidyi. EvoDevo, 2010, 1, 1-15.	2.9	106
291	Conserved Developmental Expression of Fezf in Chordates and Drosophila and the Origin of the Zona Limitans Intrathalamica (ZLI) Brain Organizer. EvoDevo, 2010, 1, 1-10.	2.9	57
292	Angiosperm Genome Comparisons Reveal Early Polyploidy in the Monocot Lineage. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 472-477.	9.0	290
293	Identification of Glycosyltransferase 8 Family Members as Xylosyltransferases Acting on O-Glucosylated Notch Epidermal Growth Factor Repeats. Journal of Biological Chemistry, 2010, 285, 1582-1586.	4.2	126
294	Evidence for Multiple Photosystems in Jellyfish. International Review of Cell and Molecular Biology, 2010, 280, 41-78.	9.9	15
295	Plasticity of Animal Genome Architecture Unmasked by Rapid Evolution of a Pelagic Tunicate. Science, 2010, 330, 1381-5.	43.1	255
296	Insights From the Comparison of Plant Genome Sequences. Annual Review of Plant Biology, 2010, 61, 349-372.	27.3	210
297	Genetic, Functional and Evolutionary Characterization of Scox, the Drosophila Melanogaster Ortholog of the Human SCO1 Gene. Mitochondrion, 2010, 10, 433-448.	5.7	20
298	Unique Genome of Dicyemid Mesozoan: Highly Shortened Spliceosomal Introns in Conservative Exon/Intron Structure. Gene, 2010, 449, 70-76.	2.9	18
299	Molecular Evolution of the Fibulins: Implications on the Functionality of the Elastic Fibulins. Gene, 2010, 464, 17-31.	2.9	46
300	No Backbone but Lots of Sox: Invertebrate Sox Genes. International Journal of Biochemistry and Cell Biology, 2010, 42, 453-464.	3.7	86
301	Evolution of Thioester-Containing Proteins Revealed by Cloning and Characterization of Their Genes From a Cnidarian Sea Anemone, Haliplanella Lineate. Developmental and Comparative Immunology, 2010, 34, 775-784.	2.5	59
302	Analysis of Evolutionarily Conserved Innate Immune Components in Coral Links Immunity and Symbiosis. Developmental and Comparative Immunology, 2010, 34, 1219-1229.	2.5	106
303	Molecular Evolution of Nitric Oxide Synthases in Metazoans. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2010, 5, 295-301.	2.0	36
304	Purification, Characterization and cDNA Cloning of a Novel Lectin From the Jellyfish Nemopilema nomurai. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2010, 156, 12-18.	2.6	20
305	The Genome of Naegleria gruberi Illuminates Early Eukaryotic Versatility. Cell, 2010, 140, 631-642.	38.3	422
306	The Molecular and Gene Regulatory Signature of a Neuron. Trends in Neurosciences, 2010, 33, 435-445.	17.1	102

#	Article	IF	Citations
307	Evolution of the Spectrin-Based Membrane Skeleton. Transfusion Clinique Et Biologique, 2010, 17, 95-103.	0.9	25
308	Highly Diversified Innate Receptor Systems and New Forms of Animal Immunity. Seminars in Immunology, 2010, 22, 39-47.	11.0	75
309	Evolutionary Developmental Genomics: At the 2008 Meeting of the European Society for Evolutionary Developmental Biology. Genomics, 2010, 95, 247-249.	3.4	1
310	Evolutionary Genomics of the Fox Genes: Origin of Gene Families and the Ancestry of Gene Clusters. Genomics, 2010, 95, 256-260.	3.4	75
311	BAC Library for the Amphipod Crustacean, Parhyale hawaiensis. Genomics, 2010, 95, 261-267.	3.4	20
312	Cnidarian Immunity: A Tale of Two Barriers. Advances in Experimental Medicine and Biology, 2010, 708, 1-16.	2.7	48
313	Genomic Analysis of Organismal Complexity in the Multicellular Green Alga Volvox carteri. Science, 2010, 329, 223-6.	43.1	547
314	Invertebrate Immunity. Advances in Experimental Medicine and Biology, 2010, .	2.7	48
315	On Growth and Form: A Cartesian Coordinate System of Wnt and BMP Signaling Specifies Bilaterian Body Axes. Development (Cambridge), 2010, 137, 845-857.	3.7	245
316	Constraints, Plasticity, and Universal Patterns in Genome and Phenome Evolution. , 2010, .		1
317	Introduction to Marine Genomics. , 2010, .		8
318	Hox Genes. Advances in Experimental Medicine and Biology, 2010, .	2.7	2
319	Enzymes, Embryos, and Ancestors. Annual Review of Cell and Developmental Biology, 2010, 26, 1-20.	12.2	2
320	A Novel Giant DNA Transpson in Nematostella vectensis. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, .	0.0	0
321	Cancer Tumors as Metazoa 1.0: Tapping Genes of Ancient Ancestors. Physical Biology, 2011, 8, 015001.	1.5	214
322	Signaling Pathways and Axis Formation in the Lower Metazoa. Current Topics in Developmental Biology, 2011, 97, 137-177.	4.5	37
323	Structural and Functional Diversification of AHRs During Metazoan Evolution. , 2011, .		3
324	Comparative Genomics of the Social Amoebae Dictyostelium discoideum and Dictyostelium purpureum. Genome Biology, 2011, 12, 1-23.	9.8	150

#	Article	IF	Citations
325	Immune Receptors. Methods in Molecular Biology, 2011, .	1.2	0
326	Physiological Responses of the Scleractinian Coral Pocillopora damicornis to Bacterial Stress From Vibrio coralliilyticus. Journal of Experimental Biology, 2011, 214, 1533-1545.	2.6	95
327	The Cellular Basis for Animal Regeneration. Developmental Cell, 2011, 21, 172-185.	8.6	514
328	A Crassostrea Gigas Toll-Like Receptor and Comparative Analysis of TLR Pathway in Invertebrates. Fish and Shellfish Immunology, 2011, 30, 653-660.	4.1	127
329	Interaction of the Retinoic Acid Signaling Pathway With Spicule Formation in the Marine Sponge Suberites domuncula Through Activation of Bone Morphogenetic Protein-1. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 1178-1194.	2.9	31
330	Characterization of Marine X-Family DNA Polymerases and Comparative Analysis of Base Excision Repair Proteins. Biochemical and Biophysical Research Communications, 2011, 415, 193-199.	2.6	5
331	Evolution of GPCR: Change and Continuity. Molecular and Cellular Endocrinology, 2011, 331, 170-178.	3.4	85
332	A Cell-Based Model of Nematostella vectensis Gastrulation Including Bottle Cell Formation, Invagination and Zippering. Developmental Biology, 2011, 351, 217-228.	2.1	53
333	Somatic Stem Cells Express Piwi and Vasa Genes in an Adult Ctenophore: Ancient Association of “Germline Genes” With Stemness. Developmental Biology, 2011, 350, 183-197.	2.1	143
334	Over-Represented Localized Sequence Motifs in Ribosomal Protein Gene Promoters of Basal Metazoans. Genomics, 2011, 98, 56-63.	3.4	11
335	The Cambrian Conundrum: Early Divergence and Later Ecological Success in the Early History of Animals. Science, 2011, 334, 1091-7.	43.1	1,230
336	An Ancient Model Organism to Test in Vivo Novel Functional Nanocrystals. , 2011, .		7
337	Reassessing Domain Architecture Evolution of Metazoan Proteins: Major Impact of Errors Caused by Confusing Paralogs and Epaktologs. Genes, 2011, 2, 516-561.	3.4	13
338	Contrasting 5' and 3' Evolutionary Histories and Frequent Evolutionary Convergence in Meis/Hth Gene Structures. Genome Biology and Evolution, 2011, 3, 551-64.	3.2	17
339	Vertebrate Paralogous MEF2 Genes: Origin, Conservation, and Evolution. PLoS ONE, 2011, 6, e17334.	3.2	36
340	Morphological and Molecular Analysis of the Nematostella vectensis Cnidom. PLoS ONE, 2011, 6, e22725.	3.2	74
341	The Mammalian Disaggregase Machinery: Hsp110 Synergizes With Hsp70 and Hsp40 to Catalyze Protein Disaggregation and Reactivation in a Cell-Free System. PLoS ONE, 2011, 6, e26319.	3.2	308
342	The Antiquity of Chordate Odorant Receptors Is Revealed by the Discovery of Orthologs in the Cnidarian Nematostella vectensis. Genome Biology and Evolution, 2011, 3, 36-43.	3.2	31

#	Article	IF	Citations
343	Evolution of the Max and Mlx Networks in Animals. Genome Biology and Evolution, 2011, 3, 915-37.	3.2	33
344	Sex Differences in the Relationship of Dietary Fatty Acids to Cognitive Measures in American Children. Frontiers in Evolutionary Neuroscience, 2011, 3, 14542.	6.8	58
345	A Two-Step Process in the Emergence of Neurogenesis. European Journal of Neuroscience, 2011, 34, 847-862.	3.5	57
346	Phylogeny of the Highly Divergent Zoanthid Family Microzoanthidae (Anthozoa, Hexacorallia) From the Pacific. Zoologica Scripta, 2011, 40, 418-431.	2.0	42
347	Profiling Gene Expression Responses of Coral Larvae (Acropora millepora) to Elevated Temperature and Settlement Inducers Using a Novel RNA-Seq Procedure. Molecular Ecology, 2011, 20, 3599-3616.	4.1	301
348	Ultrastructure of the Mesoglea of the Sea Anemone Nematostella vectensis (Edwardsiidae). Invertebrate Biology, 2011, 130, 11-24.	0.9	35
349	Evolutionary Origins of STIM1 and STIM2 Within Ancient Ca2+ Signaling Systems. Trends in Cell Biology, 2011, 21, 202-211.	23.9	100
350	A Genomic View of 500 Million Years of Cnidarian Evolution. Trends in Genetics, 2011, 27, 7-13.	13.4	98
351	DNA Double-Strand Break Repair and the Evolution of Intron Density. Trends in Genetics, 2011, 27, 1-6.	13.4	60
352	Improving Animal Phylogenies With Genomic Data. Trends in Genetics, 2011, 27, 186-195.	13.4	68
353	Coral Genomics and Transcriptomics — Ushering in a New Era in Coral Biology. Journal of Experimental Marine Biology and Ecology, 2011, 408, 114-119.	2.1	21
354	Structural and Evolutionary Aspects of Two Families of Non-Catalytic Domains Present in Starch and Glycogen Binding Proteins From Microbes, Plants and Animals. Enzyme and Microbial Technology, 2011, 49, 429-440.	4.1	141
355	Nonribosomal Peptide Synthesis in Animals: The Cyclodipeptide Synthase of Nematostella. Chemistry and Biology, 2011, 18, 1362-1368.	3.8	41
356	Evolution of the Epithelial Sodium Channel and the Sodium Pump as Limiting Factors of Aldosterone Action on Sodium Transport. Physiological Genomics, 2011, 43, 844-54.	2.7	46
357	Uniting Germline and Stem Cells: The Function of Piwi Proteins and the piRNA Pathway in Diverse Organisms. Annual Review of Genetics, 2011, 45, 447-469.	9.4	350
358	Intron Creation and DNA Repair. Cellular and Molecular Life Sciences, 2011, 68, 235-242.	6.6	13
359	Biology of FGFRL1, the Fifth Fibroblast Growth Factor Receptor. Cellular and Molecular Life Sciences, 2011, 68, 951-964.	6.6	141
360	Suppression Substractive Hybridisation (SSH) and Real Time PCR Reveal Differential Gene Expression in the Pacific Cupped Oyster, Crassostrea Gigas, Challenged With Ostreid Herpesvirus 1. Developmental and Comparative Immunology, 2011, 35, 725-735.	2.5	162

#	Article	IF	Citations
361	An Unusual Family of Glycosylated Peptides Isolated From Dendroaspis Angusticeps Venom and Characterized by Combination of Collision Induced and Electron Transfer Dissociation. Journal of the American Society for Mass Spectrometry, 2011, 22, 1891-7.	2.8	17
362	Evc2 Is a Positive Modulator of Hedgehog Signalling That Interacts With Evc at the Cilia Membrane and Is Also Found in the Nucleus. BMC Biology, 2011, 9, 1-13.	5.2	86
363	Tunicates Push the Limits of Animal Evo-Devo. BMC Biology, 2011, 9, 1-3.	5.2	11
364	Extensive Intron Gain in the Ancestor of Placental Mammals. Biology Direct, 2011, 6, 1-18.	5.3	16
365	Unexpected Complexity of the Reef-Building Coral Acropora millepora Transcription Factor Network. BMC Systems Biology, 2011, 5, 1-9.	3.4	9
366	The Genome Diversity and Karyotype Evolution of Mammals. Molecular Cytogenetics, 2011, 4, 1-16.	1.6	121
367	Constraints on Genes Shape Long-Term Conservation of Macro-Synteny in Metazoan Genomes. BMC Bioinformatics, 2011, 12, 1-12.	5.8	29
368	Eukaryote DIRS1-Like Retrotransposons: An Overview. BMC Genomics, 2011, 12, 1-18.	3.9	46
369	The Evolutionary Origins of Glia. Glia, 2011, 59, 1215-1236.	6.3	112
370	Orthology Prediction Methods: A Quality Assessment Using Curated Protein Families. BioEssays, 2011, 33, 769-780.	3.2	118
371	What Sponges Can Tell Us About the Evolution of Developmental Processes. Zoology, 2011, 114, 1-10.	1.4	59
372	Genetic Diversity of the Allodeterminant alr2 in Hydractinia symbiolongicarpus. Molecular Biology and Evolution, 2011, 28, 933-947.	6.2	21
373	New Insights Into the Evolution of Metazoan Cadherins. Molecular Biology and Evolution, 2011, 28, 647-57.	6.2	109
374	CIPRO 2.5: Ciona intestinalis Protein Database, a Unique Integrated Repository of Large-Scale Omics Data, Bioinformatic Analyses and Curated Annotation, With User Rating and Reviewing Functionality. Nucleic Acids Research, 2011, 39, D807-14.	19.7	28
375	Crystal Structure of Menin Reveals Binding Site for Mixed Lineage Leukemia (MLL) Protein. Journal of Biological Chemistry, 2011, 286, 31742-31748.	4.2	111
376	A Novel Minicollagen Gene Links Cnidarians and Myxozoans. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 546-53.	3.4	68
377	Twilight Spectral Dynamics and the Coral Reef Invertebrate Spawning Response. Journal of Experimental Biology, 2011, 214, 770-777.	2.6	78
378	Molecular Toxicology of Corals: A Review. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2011, 14, 571-92.	13.4	17

#	Article	IF	Citations
379	Functional Conservation in Human and Drosophila of Metazoan ADAR2 Involved in RNA Editing: Loss of ADAR1 in Insects. Nucleic Acids Research, 2011, 39, 7249-62.	19.7	66
380	Evolution of Function of a Fused Metazoan tRNA Synthetase. Molecular Biology and Evolution, 2011, 28, 437-47.	6.2	33
381	Characterization of the Core Elements of the NF-κB Signaling Pathway of the Sea Anemone Nematostella vectensis. Molecular and Cellular Biology, 2011, 31, 1076-87.	2.7	54
382	The Conserved Rieske Oxygenase DAF-36/Neverland Is a Novel Cholesterol-Metabolizing Enzyme. Journal of Biological Chemistry, 2011, 286, 25756-62.	4.2	162
383	Beneficial Microorganisms in Multicellular Life Forms. , 2011, .		27
384	Reconstructing the Architecture of the Ancestral Amniote Genome. Bioinformatics, 2011, 27, 2664-2671.	6.4	35
385	Tenascins and the Importance of Adhesion Modulation. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004960.	8.6	224
386	Using the Acropora digitifera Genome to Understand Coral Responses to Environmental Change. Nature, 2011, 476, 320-323.	54.7	731
387	The Journal of Immunology | Oxford Academic. Journal of Immunology, 2011, 187, 3962-71.	3.6	18
388	Plant NBR1 Is a Selective Autophagy Substrate and a Functional Hybrid of the Mammalian Autophagic Adapters NBR1 and p62/SQSTM1. Autophagy, 2011, 7, 993-1010.	19.2	331
389	The Solute Carrier Families Have a Remarkably Long Evolutionary History With the Majority of the Human Families Present Before Divergence of Bilaterian Species. Molecular Biology and Evolution, 2011, 28, 1531-41.	6.2	177
390	Evolution of the Insect Yellow Gene Family. Molecular Biology and Evolution, 2011, 28, 257-72.	6.2	115
391	Primordial Neurosecretory Apparatus Identified in the Choanoflagellate Monosiga brevicollis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15264-15269.	9.0	78
392	Evolutionary Crossroads in Developmental Biology: Cnidaria. Development (Cambridge), 2011, 138, 1447-1458.	3.7	249
393	Defining the Tipping Point. A Complex Cellular Life/Death Balance in Corals in Response to Stress. Scientific Reports, 2011, 1, 1-9.	5.2	37
394	Unexpected Repertoire of Metazoan Transcription Factors in the Unicellular Holozoan Capsaspora Owczarzaki. Molecular Biology and Evolution, 2011, 28, 1241-1254.	6.2	186
395	Evolution of the Nitric Oxide Synthase Family in Metazoans. Molecular Biology and Evolution, 2011, 28, 163-79.	6.2	129
396	Independent HHsearch, Needleman–Wunsch-Based, and Motif Analyses Reveal the Overall Hierarchy for Most of the G Protein-Coupled Receptor Families. Molecular Biology and Evolution, 2011, 28, 2471-80.	6.2	168

#	Article	IF	Citations
397	Defining the Origins of the NOD-Like Receptor System at the Base of Animal Evolution. Molecular Biology and Evolution, 2011, 28, 1687-702.	6.2	133
398	Phylogenomics Reveals an Anomalous Distribution of USP Genes in Metazoans. Molecular Biology and Evolution, 2011, 28, 153-61.	6.2	25
399	Evolution of RNA-Binding Proteins in Animals: Insights From Genome-Wide Analysis in the Sponge Amphimedon queenslandica. Molecular Biology and Evolution, 2011, 28, 2289-303.	6.2	47
400	The Potential for Temperature Acclimatisation of Reef Corals in the Face of Climate Change. , 2011, .		51
401	Parallel Duplication and Partial Subfunctionalization of β-Catenin/Armadillo During Insect Evolution. Molecular Biology and Evolution, 2012, 29, 647-62.	6.2	17
402	Evolution of Cyclin B3 Shows an Abrupt Three-Fold Size Increase, Due to the Extension of a Single Exon in Placental Mammals, Allowing for New Protein-Protein Interactions. Molecular Biology and Evolution, 2012, 29, 3855-71.	6.2	13
403	The Atypical Calpains: Evolutionary Analyses and Roles in Caenorhabditis elegans Cellular Degeneration. PLoS Genetics, 2012, 8, e1002602.	3.9	26
404	Origin and Evolution of Laminin Gene Family Diversity. Molecular Biology and Evolution, 2012, 29, 1823-36.	6.2	52
405	A Framework for the Establishment of a Cnidarian Gene Regulatory Network for "Endomesoderm" Specification: The Inputs of β-Catenin/TCF Signaling. PLoS Genetics, 2012, 8, e1003164.	3.9	131
406	The Human Phosphotyrosine Signaling Network: Evolution and Hotspots of Hijacking in Cancer. Genome Research, 2012, 22, 1222-1230.	6.0	67
407	Virtual Genomes in Flux: An Interplay of Neutrality and Adaptability Explains Genome Expansion and Streamlining. Genome Biology and Evolution, 2012, 4, 212-29.	3.2	32
408	Identification and Characterization of a Chitin-Binding Protein Purified From Coelomic Fluid of the Lugworm Arenicola Marina Defining a Novel Protein Sequence Family. Journal of Biological Chemistry, 2012, 287, 42846-42855.	4.2	3
409	Self-Interaction, Nucleic Acid Binding, and Nucleic Acid Chaperone Activities Are Unexpectedly Retained in the Unique ORF1p of Zebrafish LINE. Molecular and Cellular Biology, 2012, 32, 458-69.	2.7	12
410	Draft Genome of the Pearl Oyster Pinctada fucata: A Platform for Understanding Bivalve Biology. DNA Research, 2012, 19, 117-130.	2.7	270
411	Extensive Chordate and Annelid Macrosynteny Reveals Ancestral Homeobox Gene Organization. Molecular Biology and Evolution, 2012, 29, 157-65.	6.2	48
412	Overview of the Matrisome—An Inventory of Extracellular Matrix Constituents and Functions. Cold Spring Harbor Perspectives in Biology, 2012, 4, a004903.	8.6	1,249
413	The Chromatin Insulator CTCF and the Emergence of Metazoan Diversity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17507-17512.	9.0	179
414	Abnormal Synaptic Vesicle Biogenesis in Drosophila Synaptogyrin Mutants. Journal of Neuroscience, 2012, 32, 18054-18067.	4.3	49

#	Article	IF	Citations
415	Widespread Recurrent Evolution of Genomic Features. Genome Biology and Evolution, 2012, 4, 486-500.	3.2	35
416	Metazoan Opsin Evolution Reveals a Simple Route to Animal Vision. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18868-18872.	9.0	167
417	Diversity, Phylogeny and Expression Patterns of Pou and Six Homeodomain Transcription Factors in Hydrozoan Jellyfish Craspedacusta sowerbyi. PLoS ONE, 2012, 7, e36420.	3.2	21
418	Mechanisms of Gene Duplication and Translocation and Progress Towards Understanding Their Relative Contributions to Animal Genome Evolution. International Journal of Evolutionary Biology, 2012, 2012, 846421.	0.7	34
419	Recurrent Horizontal Transfer of Bacterial Toxin Genes to Eukaryotes. Molecular Biology and Evolution, 2012, 29, 2223-30.	6.2	105
420	Understanding Complex Host-Microbe Interactions in Hydra. Gut Microbes, 2012, 3, 345-51.	15.6	42
421	MyD88-Deficient Hydra Reveal an Ancient Function of TLR Signaling in Sensing Bacterial Colonizers. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19374-19379.	9.0	149
422	Actin Polymerization Controls the Activation of Multidrug Efflux at Fertilization by Translocation and Fine-Scale Positioning of ABCB1 on Microvilli. Molecular Biology of the Cell, 2012, 23, 3663-72.	3.0	15
423	Positionally Biased Gene Loss After Whole Genome Duplication: Evidence From Human, Yeast, and Plant. Genome Research, 2012, 22, 2427-2435.	6.0	40
424	Functional Conservation of Nematostella Wnts in Canonical and Noncanonical Wnt-Signaling. Biology Open, 2012, 1, 43-51.	1.5	22
425	Study of Cnidarian-Algal Symbiosis in the “Omics” Age. Biological Bulletin, 2012, 223, 44-65.	1.0	80
426	The Hydra Genome: Insights, Puzzles and Opportunities for Developmental Biologists. International Journal of Developmental Biology, 2012, 56, 535-42.	1.9	23
427	The Repertoire of Chemical Defense Genes in the Coral Acropora digitifera Genome. Zoological Science, 2012, 29, 510-517.	1.0	19
428	Digital Marine Bioprospecting: Mining New Neurotoxin Drug Candidates From the Transcriptomes of Cold-Water Sea Anemones. Marine Drugs, 2012, 10, 2265-2279.	6.1	24
429	Short Toxin-Like Proteins Abound in Cnidaria Genomes. Toxins, 2012, 4, 1367-1384.	4.2	5
430	Evolutionary History of Exon Shuffling. Genetica, 2012, 140, 249-257.	2.0	23
431	Convergent Evolution of Sodium Ion Selectivity in Metazoan Neuronal Signaling. Cell Reports, 2012, 2, 242-248.	7.7	73
432	The Ras Protein Superfamily: Evolutionary Tree and Role of Conserved Amino Acids. Journal of Cell Biology, 2012, 196, 189-201.	6.0	358

#	Article	IF	Citations
433	Towards an Integrated Network of Coral Immune Mechanisms. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4106-14.	3.4	128
434	Dynamics of Arginase Gene Evolution in Metazoans. Journal of Biomolecular Structure and Dynamics, 2012, 30, 407-18.	3.0	13
435	How Much Does the Amphioxus Genome Represent the Ancestor of Chordates?. Briefings in Functional Genomics, 2012, 11, 89-95.	3.7	41
436	The Evolution of Metazoan Extracellular Matrix. Journal of Cell Biology, 2012, 196, 671-679.	6.0	252
437	An Evolutionary Comparison of Leucine-Rich Repeat Containing G Protein-Coupled Receptors Reveals a Novel LGR Subtype. Peptides, 2012, 34, 193-200.	3.4	77
438	Involvement of AmphiREL, a Rel-Like Gene Identified in Brachiastoma belcheri, in LPS-Induced Response: Implication for Evolution of Rel Subfamily Genes. Genomics, 2012, 99, 361-369.	3.4	10
439	ALG11 – A New Variable DNA Marker for Sponge Phylogeny: Comparison of Phylogenetic Performances With the 18S rDNA and the COI Gene. Molecular Phylogenetics and Evolution, 2012, 63, 702-713.	4.0	31
440	Using Representational Difference Analysis to Detect Changes in Transcript Expression of Aiptasia Genes After Laboratory Exposure to Lindane. Aquatic Toxicology, 2012, 110, 66-73.	4.9	5
441	Evolution of the Thioester-Containing Proteins (TEPs) of the Arthropoda, Revealed by Molecular Cloning of TEP Genes From a Spider, Hasarius Adansoni. Developmental and Comparative Immunology, 2012, 36, 483-489.	2.5	39
442	A Diverse Array of Creatine Kinase and Arginine Kinase Isoform Genes Is Present in the Starlet Sea Anemone Nematostella vectensis, a Cnidarian Model System for Studying Developmental Evolution. Gene, 2012, 497, 214-227.	2.9	16
443	Neurotoxin Localization to Ectodermal Gland Cells Uncovers an Alternative Mechanism of Venom Delivery in Sea Anemones. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1351-8.	3.4	100
444	Cell Proliferation Is Necessary for the Regeneration of Oral Structures in the Anthozoan Cnidarian Nematostella vectensis. BMC Developmental Biology, 2012, 12, 1-13.	2.9	82
445	Evolution of the PWWP-Domain Encoding Genes in the Plant and Animal Lineages. BMC Evolutionary Biology, 2012, 12, 1-17.	3.7	16
446	The Evolution of Dscamgenes Across the Arthropods. BMC Evolutionary Biology, 2012, 12, 1-15.	3.7	50
447	Transcriptome Profiling of the Demosponge Amphimedon queenslandica Reveals Genome-Wide Events That Accompany Major Life Cycle Transitions. BMC Genomics, 2012, 13, 1-19.	3.9	54
448	Developing the Anemone Aiptasia as a Tractable Model for Cnidarian-Dinoflagellate Symbiosis: The Transcriptome of Aposymbiotic a. Pallida. BMC Genomics, 2012, 13, 1-10.	3.9	110
449	Evolution of Selenoproteins in the Metazoan. BMC Genomics, 2012, 13, 1-15.	3.9	48
450	Cnidocyte Discharge Is Regulated by Light and Opsin-Mediated Phototransduction. BMC Biology, 2012, 10, 1-10.	5.2	78

#	Article	IF	Citations
451	Comparative Description of Ten Transcriptomes of Newly Sequenced Invertebrates and Efficiency Estimation of Genomic Sampling in Non-Model Taxa. Frontiers in Zoology, 2012, 9, 1-24.	2.8	109
452	Spatial Gene Expression Quantification: A Tool for Analysis of in Situ Hybridizations in Sea Anemone Nematostella vectensis. BMC Research Notes, 2012, 5, 1-11.	1.8	9
453	Genomics of Volvocine Algae. Advances in Botanical Research, 2012, 64, 185-243.	4.0	41
454	Sea Anemone (Cnidaria, Anthozoa, Actiniaria) Toxins: An Overview. Marine Drugs, 2012, 10, 1812-1851.	6.1	210
455	Cell Biology of Cnidarian-Dinoflagellate Symbiosis. Microbiology and Molecular Biology Reviews, 2012, 76, 229-61.	11.5	871
456	The Role of Microalgal Symbionts (Symbiodinium) in Holobiont Physiology. Advances in Botanical Research, 2012, 64, 119-140.	4.0	24
457	Coevolution of Gene Families: Models, Algorithms, and Systems Biology. , 2012, .		0
458	Combining Multidimensional Liquid Chromatography and MALDI–TOF-MS for the Fingerprint Analysis of Secreted Peptides From the Unexplored Sea Anemone Species Phymanthus Crucifer. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 903, 30-39.	2.6	14
459	Ghost Loci Imply Hox and ParaHox Existence in the Last Common Ancestor of Animals. Current Biology, 2012, 22, 1951-1956.	4.7	53
460	Mitogenome Polymorphism in a Single Branch Sample Revealed by SOLiD Deep Sequencing of the Lophelia pertusa Coral Genome. Gene, 2012, 506, 344-349.	2.9	17
461	Nematostella vectensis Achaete-Scute Homolog NvashA Regulates Embryonic Ectodermal Neurogenesis and Represents an Ancient Component of the Metazoan Neural Specification Pathway. Development (Cambridge), 2012, 139, 1013-1022.	3.7	82
462	Extensive Conservation of Ancient Microsynteny Across Metazoans Due to Cis-Regulatory Constraints. Genome Research, 2012, 22, 2356-2367.	6.0	137
463	The Evolution and Comparative Neurobiology of Endocannabinoid Signalling. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3201-15.	5.2	171
464	Where Simplicity Meets Complexity: Hydra, a Model for Host–Microbe Interactions. Advances in Experimental Medicine and Biology, 2012, 710, 71-81.	2.7	24
465	The Evolution of Ultraconserved Elements With Different Phylogenetic Origins. BMC Evolutionary Biology, 2012, 12, 1-11.	3.7	23
466	Protein Evolution in Two Co-Occurring Types of Symbiodinium: An Exploration Into the Genetic Basis of Thermal Tolerance in Symbiodiniumclade D. BMC Evolutionary Biology, 2012, 12, 1-13.	3.7	116
467	Genomic Organization, Evolution, and Expression of Photoprotein and Opsin Genes in Mnemiopsis leidyi: A New View of Ctenophore Photocytes. BMC Biology, 2012, 10, 1-26.	5.2	121
468	Gap Junctions in Nematostella vectensis Sea Anemone Embryos. Biology Bulletin Reviews, 2012, 2, 386-389.	0.9	4

#	Article	IF	Citations
469	The Diversification of the LIM Superclass at the Base of the Metazoa Increased Subcellular Complexity and Promoted Multicellular Specialization. PLoS ONE, 2012, 7, e33261.	3.2	49
470	Using Bacterial Extract Along With Differential Gene Expression in Acropora millepora Larvae to Decouple the Processes of Attachment and Metamorphosis. PLoS ONE, 2012, 7, e37774.	3.2	38
471	Comparative and Evolutionary Analysis of the HES/HEY Gene Family Reveal Exon/Intron Loss and Teleost Specific Duplication Events. PLoS ONE, 2012, 7, e40649.	3.2	26
472	GASP/WFIKKN Proteins: Evolutionary Aspects of Their Functions. PLoS ONE, 2012, 7, e43710.	3.2	12
473	The C. Elegans Rab Family: Identification, Classification and Toolkit Construction. PLoS ONE, 2012, 7, e49387.	3.2	25
474	Expanded Functional Diversity of Shaker K+ Channels in Cnidarians Is Driven by Gene Expansion. PLoS ONE, 2012, 7, e51366.	3.2	35
475	The Neuronal Calcium Sensor Protein Acrocalcin: A Potential Target of Calmodulin Regulation During Development in the Coral Acropora millepora. PLoS ONE, 2012, 7, e51689.	3.2	13
476	What Hydra Can Teach Us About Chemical Ecology -How a Simple, Soft Organism Survives in a Hostile Aqueous Environment. International Journal of Developmental Biology, 2012, 56, 605-11.	1.9	17
477	Coordinated Modulation of Cellular Signaling Through Ligand-Gated Ion Channels in Hydra vulgaris (Cnidaria, Hydrozoa). International Journal of Developmental Biology, 2012, 56, 551-65.	1.9	33
478	Lim Homeobox Genes in the Ctenophore Mnemiopsis leidyi: The Evolution of Neural Cell Type Specification. EvoDevo, 2012, 3, 1-11.	2.9	38
479	Toward a Systems Level View of the ECM and Related Proteins: A Framework for the Systematic Definition and Analysis of Biological Systems. Proteins: Structure, Function and Bioinformatics, 2012, 80, 1522-1544.	3.2	26
480	Molecular Signatures of the Three Stem Cell Lineages in Hydra and the Emergence of Stem Cell Function at the Base of Multicellularity. Molecular Biology and Evolution, 2012, 29, 3267-80.	6.2	130
481	The Non-Hierarchical, Non-Uniformly Branching Topology of a Leuconoid Sponge Aquiferous System Revealed by 3D Reconstruction and Morphometrics Using Corrosion Casting and X-Ray Microtomography. Acta Zoologica, 2012, 93, 160-170.	1.4	16
482	Coral Comparative Genomics Reveal Expanded Hox Cluster in the Cnidarian-Bilaterian Ancestor. Integrative and Comparative Biology, 2012, 52, 835-41.	2.2	41
483	Nervous Systems of the Sea Anemone Nematostella vectensis Are Generated by Ectoderm and Endoderm and Shaped by Distinct Mechanisms. Development (Cambridge), 2012, 139, 347-357.	3.7	159
484	Independent Evolution of Striated Muscles in Cnidarians and Bilaterians. Nature, 2012, 487, 231-234.	54.7	226
485	Epithelia, an Evolutionary Novelty of Metazoans. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2012, 318, 438-447.	1.8	90
486	The Evolution of the Wnt Pathway. Cold Spring Harbor Perspectives in Biology, 2012, 4, a007922.	8.6	195

#	Article	IF	Citations
487	Genomic Organization and Comparative Chromosome Mapping of the U1 snRNA Gene in Cichlid Fish, With an Emphasis in Oreochromis niloticus. Chromosome Research, 2012, 20, 279-292.	3.1	45
488	First Evidence of Miniature Transposable Elements in Sponges (Porifera). Hydrobiologia, 2012, 687, 43-47.	3.3	2
489	A Genomewide Survey of bHLH Transcription Factors in the Coral Acropora digitifera Identifies Three Novel Orthologous Families, Pearl, Amber, and Peridot. Development Genes and Evolution, 2012, 222, 63-76.	1.6	19
490	The Cell Biology of Schistosomes: A Window on the Evolution of the Early Metazoa. Protoplasma, 2012, 249, 503-518.	3.3	15
491	Sequence of the Pearl Oyster Carbonic Anhydrase-Related Protein and Its Evolutionary Implications. Biochemical Genetics, 2012, 50, 269-276.	2.3	6
492	Conserved Domains and Evolution of Secreted Phospholipases A2. FEBS Journal, 2012, 279, 636-649.	5.6	35
493	NF-κB: Where Did It Come From and Why?. Immunological Reviews, 2012, 246, 14-35.	11.2	236
494	Genetically Encoded Fluorescent Voltage Sensors Using the Voltage-Sensing Domain of Nematostella and Danio Phosphatases Exhibit Fast Kinetics. Journal of Neuroscience Methods, 2012, 208, 190-196.	3.1	41
495	Functional Roles of Notch Signaling in the Cnidarian Nematostella vectensis. Developmental Biology, 2012, 362, 295-308.	2.1	90
496	Ancestral and Conserved Cis-Regulatory Architectures in Developmental Control Genes. Developmental Biology, 2012, 362, 282-294.	2.1	13
497	The First Identification of Molluscan Ecsit in the Pacific Oyster, Crassostrea Gigas, and Its Expression Against Bacterial Challenge. Aquaculture Research, 2012, 43, 1071-1080.	2.2	21
498	Establishing a Model Organism: A Report From the First Annual Nematostella Meeting. BioEssays, 2012, 34, 158-161.	3.2	7
499	Cellular and Molecular Processes Leading to Embryo Formation in Sponges: Evidences for High Conservation of Processes Throughout Animal Evolution. Development Genes and Evolution, 2013, 223, 5-22.	1.6	60
500	A Quantitative Reference Transcriptome for Nematostella vectensis Earlyembryonic Development: A Pipeline for De Novo Assembly in Emergingmodel Systems. EvoDevo, 2013, 4, 1-15.	2.9	48
501	Functional Diversity and Pharmacological Profiles of the FKBPs and Their Complexes With Small Natural Ligands. Cellular and Molecular Life Sciences, 2013, 70, 3243-3275.	6.6	54
502	Pattern Formation in Morphogenesis. Springer Proceedings in Mathematics, 2013, .	0.0	7
503	Unraveling Microalgal Molecular Interactions Using Evolutionary and Structural Bioinformatics. Gene, 2013, 528, 109-119.	2.9	8
504	Cnidarian-Microbe Interactions and the Origin of Innate Immunity in Metazoans. Annual Review of Microbiology, 2013, 67, 499-518.	12.4	133

#	Article	IF	Citations
505	Genotype – Environment Correlations in Corals From the Great Barrier Reef. BMC Genetics, 2013, 14, 1-16.	3.5	62
506	Exceptionally High Cumulative Percentage of NUMTs Originating From Linear Mitochondrial DNA Molecules in the Hydra magnipapillata Genome. BMC Genomics, 2013, 14, 1-13.	3.9	22
507	The Venus Kinase Receptor (VKR) Family: Structure and Evolution. BMC Genomics, 2013, 14, 1-13.	3.9	31
508	RNAseq Versus Genome-Predicted Transcriptomes: A Large Population of Novel Transcripts Identified in an Illumina-454 Hydratranscriptome. BMC Genomics, 2013, 14, 1-17.	3.9	63
509	A Report From the Second Nematostella vectensis Research Conference. Development Genes and Evolution, 2013, 223, 207-211.	1.6	4
510	The Capsaspora Genome Reveals a Complex Unicellular Prehistory of Animals. Nature Communications, 2013, 4, 1-9.	18.1	277
511	Evolution of Extracellular Matrix. Biology of Extracellular Matrix, 2013, .	0.0	17
512	BcsTx3 Is a Founder of a Novel Sea Anemone Toxin Family of Potassium Channel Blocker. FEBS Journal, 2013, 280, 4839-4852.	5.6	47
513	Toll-6 and Toll-7 Function as Neurotrophin Receptors in the Drosophila Melanogaster CNS. Nature Neuroscience, 2013, 16, 1248-1256.	20.2	102
514	FPSAC: Fast Phylogenetic Scaffolding of Ancient Contigs. Bioinformatics, 2013, 29, 2987-94.	6.4	31
515	High Adenylyl Cyclase Activity and in Vivo cAMP Fluctuations in Corals Suggest Central Physiological Role. Scientific Reports, 2013, 3, 1-7.	5.2	22
516	Evolution of the Animal Apoptosis Network. Cold Spring Harbor Perspectives in Biology, 2013, 5, a008649.	8.6	69
517	Genome Sequence Analysis Indicates That the Model Eukaryote Nematostella vectensis Harbors Bacterial Consorts. Applied and Environmental Microbiology, 2013, 79, 6868-73.	4.2	29
518	Structural Determinants of Specificity and Catalytic Mechanism in Mammalian 25-kDa Thiamine Triphosphatase. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4513-4523.	2.9	18
519	Identification of Novel Phospholipase A2 Group IX Members in Metazoans. Biochimie, 2013, 95, 1534-1543.	3.4	10
520	Morbid Obesity Resulting From Inactivation of the Ciliary Protein CEP19 in Humans and Mice. American Journal of Human Genetics, 2013, 93, 1061-1071.	7.2	70
521	Biology and Ecology of Irukandji Jellyfish (Cnidaria: Cubozoa). Advances in Marine Biology, 2013, 66, 1-85.	5.5	34
522	Remarkable Similarities Between the Hemichordate (Saccoglossus kowalevskii) and Vertebrate GPCR Repertoire. Gene, 2013, 526, 122-133.	2.9	34

#	Article	IF	Citations
523	Neuroprotective Effects of Cilostazol on Retinal Ganglion Cell Damage in Diabetic Rats. Journal of Pharmacology and Experimental Therapeutics, 2013, 345, 457-463.	3.5	25
524	Deep Conservation of Cis-Regulatory Elements in Metazoans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130020.	5.2	30
525	The Genome of the Ctenophore Mnemiopsis leidyi and Its Implications for Cell Type Evolution. Science, 2013, 342, 1242592.	43.1	581
526	The Bilaterian Roots of Cordon-Bleu. BMC Research Notes, 2013, 6, 1-3.	1.8	6
527	Transcriptome Deep-Sequencing and Clustering of Expressed Isoforms From Favia Corals. BMC Genomics, 2013, 14, 1-14.	3.9	22
528	Agalma: An Automated Phylogenomics Workflow. BMC Bioinformatics, 2013, 14, 1-9.	5.8	126
529	Intrinsically Disordered Regions of p53 Family Are Highly Diversified in Evolution. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 725-738.	2.2	78
530	Probing a Coral Genome for Components of the Photoprotective Scytonemin Biosynthetic Pathway and the 2-Aminoethylphosphonate Pathway. Marine Drugs, 2013, 11, 559-570.	6.1	6
531	Marine Invertebrates Cross Phyla Comparisons Reveal Highly Conserved Immune Machinery. Immunobiology, 2013, 218, 484-495.	3.5	12
532	The Xenopus Doublesex-Related Gene Dmrt5 Is Required for Olfactory Placode Neurogenesis. Developmental Biology, 2013, 373, 39-52.	2.1	45
533	NF-κB Is Required for Cnidocyte Development in the Sea Anemone Nematostella vectensis. Developmental Biology, 2013, 373, 205-215.	2.1	40
534	Insights Into Bilaterian Evolution From Three Spiralian Genomes. Nature, 2013, 493, 526-531.	54.7	549
535	Carbonic Anhydrases in Anthozoan Corals—A Review. Bioorganic and Medicinal Chemistry, 2013, 21, 1437-1450.	3.5	206
536	A Modern Understanding of the Traditional and Nontraditional Biological Functions of Angiotensin-Converting Enzyme. Pharmacological Reviews, 2013, 65, 1-46.	18.6	286
537	Linking Micro- and Macro-Evolution at the Cell Type Level: A View From the Lophotrochozoan Platynereis dumerilii. Briefings in Functional Genomics, 2013, 12, 430-9.	3.7	16
538	Stem Cell Dynamics in Cnidaria: Are There Unifying Principles?. Development Genes and Evolution, 2013, 223, 53-66.	1.6	97
539	Retinoic Acid Influences Antero-Posterior Positioning of Peptidergic Neurons in the Planula Larva of the Hydrozoan Clava Multicornis. Marine Ecology, 2013, 34, 143-152.	1.8	11
540	Gradients and Regulatory Networks of Wnt Signalling in Hydra Pattern Formation. Springer Proceedings in Mathematics, 2013, .	0.0	1

#	Article	IF	Citations
541	Going Where Traditional Markers Have Not Gone Before: Utility of and Promise for RAD Sequencing in Marine Invertebrate Phylogeography and Population Genomics. Molecular Ecology, 2013, 22, 2953-2970.	4.1	174
542	The Cytochrome P450 Genesis Locus: The Origin and Evolution of Animal Cytochrome P450s. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120474.	5.2	176
543	Miniature Inverted-Repeat Transposable Elements: Discovery, Distribution, and activity1. Genome, 2013, 56, 475-86.	1.8	100
544	A First Exploration of Genome Size Diversity in sponges1. Genome, 2013, 56, 451-6.	1.8	18
545	A Genome-Wide Survey of Photoreceptor and Circadian Genes in the Coral, Acropora digitifera. Gene, 2013, 515, 426-431.	2.9	38
546	Characterizing the Spatiotemporal Expression of RNAs and Proteins in the Starlet Sea Anemone, Nematostella vectensis. Nature Protocols, 2013, 8, 900-915.	19.2	60
547	Microinjection of mRNA or Morpholinos for Reverse Genetic Analysis in the Starlet Sea Anemone, Nematostella vectensis. Nature Protocols, 2013, 8, 924-934.	19.2	74
548	Methodological Approaches for Nanotoxicology Using Cnidarian Models. Toxicology Mechanisms and Methods, 2013, 23, 207-16.	2.9	25
549	Mechanisms of Tentacle Morphogenesis in the Sea Anemone Nematostella vectensis. Development (Cambridge), 2013, 140, 2212-2223.	3.7	37
550	Extracellular Matrix Evolution: An Overview. Biology of Extracellular Matrix, 2013, .	0.0	17
551	Production of a Novel Silk-Like Protein From Sea Anemone and Fabrication of Wet-Spun and Electrospun Marine-Derived Silk Fibers. NPG Asia Materials, 2013, 5, e50-e50.	9.5	27
552	Origins of Amyloid-β. BMC Genomics, 2013, 14, 1-15.	3.9	84
553	Ancient Cis-Regulatory Constraints and the Evolution of Genome Architecture. Trends in Genetics, 2013, 29, 521-528.	13.4	28
554	Characterization of Differential Transcript Abundance Through Time During Nematostella Vectensisdevelopment. BMC Genomics, 2013, 14, 1-10.	3.9	68
555	Untangling the Web: The Diverse Functions of the PIWI/piRNA Pathway. Molecular Reproduction and Development, 2013, 80, 632-664.	3.4	103
556	The Development of Form: Causes and Consequences of Developmental Reprogramming Associated With Rapid Body Plan Evolution in the Bilaterian Radiation. Biological Theory, 2013, 8, 253-264.	2.8	12
557	Evolutionary Analyses of Gap Junction Protein Families. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 4-14.	2.6	118
558	Thiamine Triphosphatase and the CYTH Superfamily of Proteins. FEBS Journal, 2013, 280, 6443-6455.	5.6	30

#	Article	IF	Citations
559	Evolution of Homeobox Genes. Wiley Interdisciplinary Reviews: Developmental Biology, 2013, 2, 31-45.	4.4	272
560	A Thrombospondin in the Anthozoan Nematostella vectensis Is Associated With the Nervous System and Upregulated During Regeneration. Biology Open, 2013, 2, 217-226.	1.5	17
561	The Complex NOD-Like Receptor Repertoire of the Coral Acropora digitifera Includes Novel Domain Combinations. Molecular Biology and Evolution, 2013, 30, 167-76.	6.2	106
562	The Repertoires of Ubiquitinating and Deubiquitinating Enzymes in Eukaryotic Genomes. Molecular Biology and Evolution, 2013, 30, 1172-87.	6.2	77
563	The Tarenaya hassleriana Genome Provides Insight Into Reproductive Trait and Genome Evolution of Crucifers. Plant Cell, 2013, 25, 2813-2830.	9.4	105
564	Identification of 526 Conserved Metazoan Genetic Innovations Exposes a New Role for Cofactor E-Like in Neuronal Microtubule Homeostasis. PLoS Genetics, 2013, 9, e1003804.	3.9	14
565	C. Elegans Survivors Without Telomerase. Worm, 2013, 2, e21073.	1.8	9
566	APE-Type Non-LTR Retrotransposons of Multicellular Organisms Encode Virus-Like 2A Oligopeptide Sequences, Which Mediate Translational Recoding During Protein Synthesis. Molecular Biology and Evolution, 2013, 30, 1955-65.	6.2	15
567	New Roles for Nanos in Neural Cell Fate Determination Revealed by Studies in a Cnidarian. Journal of Cell Science, 2013, 126, 3192-3203.	2.9	35
568	The Evolution of microRNA Pathway Protein Components in Cnidaria. Molecular Biology and Evolution, 2013, 30, 2541-52.	6.2	58
569	Employing BAC-Reporter Constructs in the Sea Anemone Nematostella vectensis. Integrative and Comparative Biology, 2013, 53, 832-46.	2.2	3
570	Identification and Evolution of the Silkworm Helitrons and Their Contribution to Transcripts. DNA Research, 2013, 20, 471-84.	2.7	32
571	Genome-Level Analysis of Selective Constraint Without Apparent Sequence Conservation. Genome Biology and Evolution, 2013, 5, 532-41.	3.2	9
572	Punctuated Emergences of Genetic and Phenotypic Innovations in Eumetazoan, Bilaterian, Euteleostome, and Hominidae Ancestors. Genome Biology and Evolution, 2013, 5, 1949-68.	3.2	22
573	Cross-Species Analysis Reveals Evolving and Conserved Features of the Nuclear Factor κB (NF-κB) Proteins. Journal of Biological Chemistry, 2013, 288, 11546-11554.	4.2	17
574	Evolution of the JAK-STAT Pathway. Jak-stat, 2013, 2, e22756.	0.0	81
575	Computational Methods to Detect Conserved Non-Genic Elements in Phylogenetically Isolated Genomes: Application to Zebrafish. Nucleic Acids Research, 2013, 41, e151-e151.	19.7	65
576	Genomes and Evolutionary Genomics of Animals. Environmental Epigenetics, 2013, 59, 87-98.	2.5	5

#	Article	IF	Citations
577	The Genome Sequence of the Colonial Chordate, Botryllus schlosseri. ELife, 2013, 2, e00569.	5.2	267
578	Fast Neurotransmission Related Genes Are Expressed in Non Nervous Endoderm in the Sea Anemone Nematostella vectensis. PLoS ONE, 2014, 9, e93832.	3.2	22
579	A Computational Approach Towards a Gene Regulatory Network for the Developing Nematostella vectensis Gut. PLoS ONE, 2014, 9, e103341.	3.2	14
580	Continuous Drug Release by Sea Anemone Nematostella vectensis Stinging Microcapsules. Marine Drugs, 2014, 12, 734-745.	6.1	10
581	Molecular Evolution of the Yap/Yorkie Proto-Oncogene and Elucidation of Its Core Transcriptional Program. Molecular Biology and Evolution, 2014, 31, 1375-90.	6.2	50
582	Microsatellite Abundance Across the Anthozoa and Hydrozoa in the Phylum Cnidaria. BMC Genomics, 2014, 15, 1-17.	3.9	8
583	Evolutionary Genomics of Fast Evolving Tunicates. Genome Biology and Evolution, 2014, 6, 1724-1738.	3.2	74
584	Evolution of TNF-Induced Apoptosis Reveals 550 My of Functional Conservation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9567-9572.	9.0	94
585	The Genome of the Myxosporean Thelohanellus Kitauei Shows Adaptations to Nutrient Acquisition Within Its Fish Host. Genome Biology and Evolution, 2014, 6, 3182-98.	3.2	55
586	Differential Responses to Wnt and PCP Disruption Predict Expression and Developmental Function of Conserved and Novel Genes in a Cnidarian. PLoS Genetics, 2014, 10, e1004590.	3.9	48
587	The First Myriapod Genome Sequence Reveals Conservative Arthropod Gene Content and Genome Organisation in the Centipede Strigamia maritima. PLoS Biology, 2014, 12, e1002005.	5.9	220
588	Evolution of the Complement System. Sub-Cellular Biochemistry, 2014, 80, 31-43.	0.0	99
589	Gene Expansion Shapes Genome Architecture in the Human Pathogen Lichtheimia corymbifera: An Evolutionary Genomics Analysis in the Ancient Terrestrial Mucorales (Mucoromycotina). PLoS Genetics, 2014, 10, e1004496.	3.9	81
590	TIR-Domain-Containing Protein Repertoire of Nine Anthozoan Species Reveals Coral–Specific Expansions and Uncharacterized Proteins. Developmental and Comparative Immunology, 2014, 46, 480-488.	2.5	68
591	Sequential Actions of β-Catenin and Bmp Pattern the Oral Nerve Net in Nematostella vectensis. Nature Communications, 2014, 5, 1-14.	18.1	69
592	Early and Late Response of Nematostella vectensis Transcriptome to Heavy Metals. Molecular Ecology, 2014, 23, 4722-4736.	4.1	44
593	TALEN and CRISPR/Cas9-Mediated Genome Editing in the Early-Branching Metazoan Nematostella vectensis. Nature Communications, 2014, 5, 1-8.	18.1	136
594	Cnidarian microRNAs Frequently Regulate Targets by Cleavage. Genome Research, 2014, 24, 651-663.	6.0	102

#	Article	IF	Citations
595	Evolution of the AKH/Corazonin/ACP/GnRH Receptor Superfamily and Their Ligands in the Protostomia. General and Comparative Endocrinology, 2014, 209, 35-49.	1.9	122
596	Transgenic Analysis of a SoxB Gene Reveals Neural Progenitor Cells in the Cnidarian Nematostella vectensis. Development (Cambridge), 2014, 141, 4681-4689.	3.7	98
597	Rolling-Circle Transposons Catalyze Genomic Innovation in a Mammalian Lineage. Genome Biology and Evolution, 2014, 6, 2595-610.	3.2	62
598	Phylogenetic Analysis of CDK and Cyclin Proteins in Premetazoan Lineages. BMC Evolutionary Biology, 2014, 14, 1-16.	3.7	140
599	Bimodal Signatures of Germline Methylation Are Linked With Gene Expression Plasticity in the Coral Acropora millepora. BMC Genomics, 2014, 15, 1-11.	3.9	69
600	Initiating a Regenerative Response; Cellular and Molecular Features of Wound Healing in the Cnidarian Nematostella vectensis. BMC Biology, 2014, 12, 1-21.	5.2	117
601	Non-Canonical Notch Signaling Represents an Ancestral Mechanism to Regulate Neural Differentiation. EvoDevo, 2014, 5, 1-14.	2.9	54
602	In Vivo Imaging of Nematostella vectensis Embryogenesis and Late Development Using Fluorescent Probes. BMC Cell Biology, 2014, 15, 1-14.	4.2	20
603	Diversity and Evolution of Myxozoan Minicollagens and Nematogalectins. BMC Evolutionary Biology, 2014, 14, 1-12.	3.7	44
604	Evolutionary Profiling Reveals the Heterogeneous Origins of Classes of Human Disease Genes: Implications for Modeling Disease Genetics in Animals. BMC Evolutionary Biology, 2014, 14, 1-18.	3.7	37
605	Calcareous Sponge Genomes Reveal Complex Evolution of α-Carbonic Anhydrases and Two Key Biomineralization Enzymes. BMC Evolutionary Biology, 2014, 14, 1-19.	3.7	52
606	The Evolution of the Four Subunits of Voltage-Gated Calcium Channels: Ancient Roots, Increasing Complexity, and Multiple Losses. Genome Biology and Evolution, 2014, 6, 2210-7.	3.2	49
607	A Genomic Approach to Coral-Dinoflagellate Symbiosis: Studies of Acropora digitifera and Symbiodinium minutum. Frontiers in Microbiology, 2014, 5, 95901.	5.6	36
608	The Global Invertebrate Genomics Alliance (GIGA): Developing Community Resources to Study Diverse Invertebrate Genomes. Journal of Heredity, 2014, 105, 1-18.	2.4	99
609	Wiring Prior to Firing: The Evolutionary Rise of Electrical and Chemical Modes of Synaptic Transmission. Reviews in the Neurosciences, 2014, 25, 821-832.	5.7	19
610	The Fox/Forkhead Transcription Factor Family of the Hemichordate Saccoglossus kowalevskii. EvoDevo, 2014, 5, 1-26.	2.9	76
611	Functional Evolution of Erg Potassium Channel Gating Reveals an Ancient Origin for IKr. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5712-5717.	9.0	50
612	Spectrins: A Structural Platform for Stabilization and Activation of Membrane Channels, Receptors and Transporters. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 620-634.	2.6	193

#	Article	IF	Citations
613	A Common Structural Scaffold in CTD Phosphatases That Supports Distinct Catalytic Mechanisms. Proteins: Structure, Function and Bioinformatics, 2014, 82, 103-118.	3.2	3
614	The Phylogenetic Distribution and Evolution of Enzymes Within the Thymidine Kinase 2-Like Gene Family in Metazoa. Journal of Molecular Evolution, 2014, 78, 202-216.	2.1	4
615	The Evolutionary Analysis Reveals Domain Fusion of Proteins With Frizzled-Like CRD Domain. Gene, 2014, 533, 229-239.	2.9	24
616	Evolution, Functional Divergence and Conserved Exon–Intron Structure of bHLH/PAS Gene Family. Molecular Genetics and Genomics, 2014, 289, 25-36.	2.4	23
617	Aryl Hydrocarbon Receptor (AHR) in the Cnidarian Nematostella vectensis: Comparative Expression, Protein Interactions, and Ligand Binding. Development Genes and Evolution, 2014, 224, 13-24.	1.6	27
618	Toll-Like Receptors (TLRs) in Aquatic Animals: Signaling Pathways, Expressions and Immune Responses. Immunology Letters, 2014, 158, 14-24.	3.3	291
619	Developmental Gene Expression Provides Clues to Relationships Between Sponge and Eumetazoan Body Plans. Nature Communications, 2014, 5, 1-15.	18.1	124
620	Quantum Information and the Problem of Mechanisms of Biological Evolution. BioSystems, 2014, 115, 33-45.	2.1	36
621	Regulation of Polyp-to-Jellyfish Transition in Aurelia aurita. Current Biology, 2014, 24, 263-273.	4.7	190
622	Adhesion Networks of Cnidarians: A Postgenomic View. International Review of Cell and Molecular Biology, 2014, 308, 323-377.	9.9	30
623	Hox and ParaHox Genes: A Review on Molluscs. Genesis, 2014, 52, 935-945.	1.6	26
624	Rethinking the Role of Immunity: Lessons From Hydra. Trends in Immunology, 2014, 35, 495-502.	14.2	91
625	Haootia Quadriformis n. Gen., n. sp., Interpreted as a Muscular Cnidarian Impression From the Late Ediacaran Period (approx. 560 Ma). Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141202.	3.4	92
626	Structural Evolution of Cell Types by Step-Wise Assembly of Cellular Modules. Current Opinion in Genetics and Development, 2014, 27, 102-108.	4.4	45
627	Evolutionary Conservation of the Eumetazoan Gene Regulatory Landscape. Genome Research, 2014, 24, 639-650.	6.0	143
628	Novel Cell Types, Neurosecretory Cells, and Body Plan of the Early-Diverging Metazoan Trichoplax adhaerens. Current Biology, 2014, 24, 1565-1572.	4.7	211
629	Lamins of the Sea Lamprey (Petromyzon marinus) and the Evolution of the Vertebrate Lamin Protein Family. European Journal of Cell Biology, 2014, 93, 308-321.	4.4	12
630	Coral-Zooxanthellae Meta-Transcriptomics Reveals Integrated Response to Pollutant Stress. BMC Genomics, 2014, 15, 1-18.	3.9	30

#	Article	IF	Citations
631	Joint Assembly and Genetic Mapping of the Atlantic Horseshoe Crab Genome Reveals Ancient Whole Genome Duplication. GigaScience, 2014, 3, 9.	5.6	91
632	How Do Environmental Factors Influence Life Cycles and Development? An Experimental Framework for Early-Diverging Metazoans. BioEssays, 2014, 36, 1185-1194.	3.2	46
633	Bacterial Influences on Animal Origins. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016162.	8.6	56
634	Animal Phylogeny and Its Evolutionary Implications. Annual Review of Ecology, Evolution, and Systematics, 2014, 45, 371-395.	12.3	335
635	Early Allopolyploid Evolution in the Post-Neolithic Brassica napus Oilseed Genome. Science, 2014, 345, 950-3.	43.1	2,229
636	Neurokinin B and Reproductive Functions: “KNDy Neuron” Model in Mammals and the Emerging Story in Fish. General and Comparative Endocrinology, 2014, 208, 94-108.	1.9	45
637	Sea Anemones Possess Dynamic Mitogenome Structures. Molecular Phylogenetics and Evolution, 2014, 75, 184-193.	4.0	43
638	No More Non-Model Species: The Promise of Next Generation Sequencing for Comparative Immunology. Developmental and Comparative Immunology, 2014, 45, 56-66.	2.5	58
639	Evolutionary Conservation of the Mature Oocyte Proteome. EuPA Open Proteomics, 2014, 3, 27-36.	0.0	14
640	Diversified Targets of FKBP25 and Its Complex With Rapamycin. International Journal of Biological Macromolecules, 2014, 69, 344-352.	8.4	12
641	Hidden Diversity and Evolutionary Trends in Malacosporean Parasites (Cnidaria: Myxozoa) Identified Using Molecular Phylogenetics. International Journal for Parasitology, 2014, 44, 565-577.	3.3	46
642	Innexin Gap Junctions in Nerve Cells Coordinate Spontaneous Contractile Behavior in Hydra Polyps. Scientific Reports, 2014, 4, 1-8.	5.2	48
643	The Control Systems Engineering Foundation of Traditional Indian Medicine: The Rosetta Stone for Siddha and Ayurveda. International Journal of System of Systems Engineering, 2014, 5, 125.	0.6	2
644	Integrins of the Starlet Sea Anemone Nematostella vectensis. Biological Bulletin, 2014, 227, 211-20.	1.0	6
645	Epidemiology of Marine Toxins. , 2014, .		1
646	Evolution of Eumetazoan Nervous Systems: Insights From Cnidarians. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20150065.	5.2	71
647	Regulation of Nematostella Neural Progenitors by SoxB, Notch and bHLH Genes. Development (Cambridge), 2015, 142, 3332-3342.	3.7	76
648	Profiling Molecular and Behavioral Circadian Rhythms in the Non-Symbiotic Sea Anemone Nematostella vectensis. Scientific Reports, 2015, 5, 1-15.	5.2	41

#	Article	IF	Citations
649	Helitrons, the Eukaryotic Rolling-Circle Transposable Elements. Microbiology Spectrum, 2015, .	4.2	114
650	De Novo Assembly and Characterization of Four Anthozoan (Phylum Cnidaria) Transcriptomes. G3: Genes, Genomes, Genetics, 2015, 5, 2441-2452.	2.6	50
651	Functional Characterisation of a TRPM2 Orthologue From the Sea Anemone Nematostella vectensis in Human Cells. Scientific Reports, 2015, 5, 1-12.	5.2	21
652	An Alignment-Free Method to Find and Visualise Rearrangements Between Pairs of DNA Sequences. Scientific Reports, 2015, 5, 1-9.	5.2	21
653	Evolutionary Conservation of Complexins: From Choanoflagellates to Mice. EMBO Reports, 2015, 16, 1308-17.	6.1	24
654	Transposons, Genome Size, and Evolutionary Insights in Animals. Cytogenetic and Genome Research, 2015, 147, 217-239.	2.3	136
655	Evolutionary Analyses of Caspase-8 and Its Paralogs: Deep Origins of the Apoptotic Signaling Pathways. BioEssays, 2015, 37, 767-776.	3.2	54
656	Par System Components Are Asymmetrically Localized in Ectodermal Epithelia, but Not During Early Development in the Sea Anemone Nematostella vectensis. EvoDevo, 2015, 6, 1-20.	2.9	20
657	The Making of an Embryo in a Basal Metazoan: Proteomic Analysis in the Sea Anemone Nematostella vectensis. Proteomics, 2015, 15, 4096-4104.	4.5	26
658	Characterization of Morphological and Cellular Events Underlying Oral Regeneration in the Sea Anemone, Nematostella vectensis. International Journal of Molecular Sciences, 2015, 16, 28449-28471.	5.9	72
659	Structural Dynamics and Inhibitor Searching for Wnt-4 Protein Using Comparative Computational Studies. Drug Design, Development and Therapy, 2015, 9, 2449-2461.	6.2	11
660	Symbiogeny and the Evolution of Tissues: The Hypothesis. Biological Systems, Open Access, 2015, .	0.0	3
661	Evo-Devo of Non-Bilaterian Animals. Genetics and Molecular Biology, 2015, 38, 284-300.	1.6	34
662	Microbial Diversity and Activity in the Nematostella vectensis Holobiont: Insights From 16S rRNA Gene Sequencing, Isolate Genomes, and a Pilot-Scale Survey of Gene Expression. Frontiers in Microbiology, 2015, 6, 99059.	5.6	28
663	Evolution of the Perlecan/HSPG2 Gene and Its Activation in Regenerating Nematostella vectensis. PLoS ONE, 2015, 10, e0124578.	3.2	26
664	Comparative and Evolutionary Analysis of the Interleukin 17 Gene Family in Invertebrates. PLoS ONE, 2015, 10, e0132802.	3.2	46
665	Origin and Diversification of Meprin Proteases. PLoS ONE, 2015, 10, e0135924.	3.2	5
666	Functional Characterization of Cnidarian HCN Channels Points to an Early Evolution of Ih. PLoS ONE, 2015, 10, e0142730.	3.2	21

#	Article	IF	Citations
667	General Hallmarks of microRNAs in Brain Evolution and Development. RNA Biology, 2015, 12, 701-8.	4.4	78
668	Myxozoan Evolution, Ecology and Development. , 2015, .		473
669	A C1q Domain Containing Protein From Crassostrea Gigas Serves as Pattern Recognition Receptor and Opsonin With High Binding Affinity to LPS. Fish and Shellfish Immunology, 2015, 45, 583-591.	4.1	51
670	Gene Discovery in the Finger Leather Coral Sinularia Notanda by Construction and Sequencing of a Normalized cDNA Library. Marine Genomics, 2015, 19, 1-4.	1.4	0
671	The Rise and Fall of TRP-N, an Ancient Family of Mechanogated Ion Channels, in Metazoa. Genome Biology and Evolution, 2015, 7, 1713-27.	3.2	35
672	A New Paradigm for Animal Symmetry. Interface Focus, 2015, 5, 20150032.	3.7	33
673	The Cnidarian Origin of the Proto-Oncogenes NF-κB/STAT and WNT-Like Oncogenic Pathway Drives the Ctenophores (Review). International Journal of Oncology, 2015, 47, 1211-1229.	7.1	11
674	NOD-Like Receptors: Versatile Cytosolic Sentinels. Physiological Reviews, 2015, 95, 149-78.	35.9	327
675	Evolution of the Complement System in Protostomes Revealed by De Novo Transcriptome Analysis of Six Species of Arthropoda. Developmental and Comparative Immunology, 2015, 50, 58-67.	2.5	26
676	Evolution of Voltage-Gated Ion Channels at the Emergence of Metazoa. Journal of Experimental Biology, 2015, 218, 515-525.	2.6	124
677	Neuronal Polarity: An Evolutionary Perspective. Journal of Experimental Biology, 2015, 218, 572-580.	2.6	68
678	The Role of G Protein-Coupled Receptors in the Early Evolution of Neurotransmission and the Nervous System. Journal of Experimental Biology, 2015, 218, 562-571.	2.6	68
679	Major Diversification of Voltage-Gated K+ Channels Occurred in Ancestral Parahoxozoans. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1010-E1019.	9.0	26
680	Molecular Characterization of the Apical Organ of the Anthozoan Nematostella vectensis. Developmental Biology, 2015, 398, 120-133.	2.1	52
681	Ether-à-Go-Go Family Voltage-Gated K+ Channels Evolved in an Ancestral Metazoan and Functionally Diversified in a Cnidarian–Bilaterian Ancestor. Journal of Experimental Biology, 2015, 218, 526-536.	2.6	33
682	Moving and Sensing Without Input and Output: Early Nervous Systems and the Origins of the Animal Sensorimotor Organization. Biology and Philosophy, 2015, 30, 311-331.	1.8	64
683	A Cnidarian Homologue of an Insect Gustatory Receptor Functions in Developmental Body Patterning. Nature Communications, 2015, 6, 1-12.	18.1	60
684	Evolution of an Ancient Venom: Recognition of a Novel Family of Cnidarian Toxins and the Common Evolutionary Origin of Sodium and Potassium Neurotoxins in Sea Anemone. Molecular Biology and Evolution, 2015, 32, 1598-610.	6.2	98

#	Article	IF	Citations
685	International Union of Basic and Clinical Pharmacology. XCIV. Adhesion G Protein–Coupled Receptors. Pharmacological Reviews, 2015, 67, 338-367.	18.6	456
686	Convergent Evolution of Neural Systems in Ctenophores. Journal of Experimental Biology, 2015, 218, 598-611.	2.6	121
687	Bicarbonate Transporters in Corals Point Towards a Key Step in the Evolution of Cnidarian Calcification. Scientific Reports, 2015, 5, 1-11.	5.2	161
688	A History of Genomic Structures: The Big Picture. , 2015, .		1
689	Cytonuclear Interactions in the Evolution of Animal Mitochondrial tRNA Metabolism. Genome Biology and Evolution, 2015, 7, 2089-101.	3.2	43
690	Key Metabolic Pathways Involved in Xenobiotic Biotransformation and Stress Responses Revealed by Transcriptomics of the Mangrove Oyster Crassostrea Brasiliana. Aquatic Toxicology, 2015, 166, 10-20.	4.9	67
691	Proteomic Identification of Hair Cell Repair Proteins in the Model Sea Anemone Nematostella vectensis. Hearing Research, 2015, 327, 245-256.	3.2	5
692	Do GMOs Accumulate Formaldehyde and Disrupt Molecular Systems Equilibria? Systems Biology May Provide Answers. Agricultural Sciences, 2015, 6, 630-662.	1.0	11
693	Biodiversity Meets Neuroscience: From the Sequencing Ship (Ship-Seq) to Deciphering Parallel Evolution of Neural Systems in Omic's Era. Integrative and Comparative Biology, 2015, 55, 1005-17.	2.2	12
694	The Atypical Cation-Conduction and Gating Properties of ELIC Underscore the Marked Functional Versatility of the Pentameric Ligand-Gated Ion-Channel Fold. Journal of General Physiology, 2015, 146, 15-36.	3.1	19
695	Parallel Evolution and Lineage-Specific Expansion of RNA Editing in Ctenophores. Integrative and Comparative Biology, 2015, 55, 1111-20.	2.2	9
696	Marine Invertebrate Lipases: Comparative and Functional Genomic Analysis. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2015, 15, 39-48.	2.0	7
697	Was the Ediacaran–Cambrian Radiation a Unique Evolutionary Event?. Paleobiology, 2015, 41, 1-15.	2.6	41
698	Prokaryotic Genes in Eukaryotic Genome Sequences: When to Infer Horizontal Gene Transfer and When to Suspect an Actual Microbe. Environmental Microbiology, 2015, 17, 2203-2208.	4.5	12
699	Microbial Ecology in Hydra: Why Viruses Matter. Journal of Microbiology, 2015, 53, 193-200.	3.8	22
700	Transcriptome Profiling of the Dynamic Life Cycle of the Scypohozoan Jellyfish Aurelia aurita. BMC Genomics, 2015, 16, 1-15.	3.9	85
701	Another Biomineralising Protostome With an msp130 Gene and Conservation of msp130 Gene Structure Across Bilateria. Evolution & Development, 2015, 17, 195-197.	2.8	12
702	Peptide-Gated Ion Channels and the Simple Nervous System of Hydra. Journal of Experimental Biology, 2015, 218, 551-561.	2.6	50

#	Article	IF	Citations
703	Axis Patterning by BMPs: Cnidarian Network Reveals Evolutionary Constraints. Cell Reports, 2015, 10, 1646-1654.	7.7	99
704	Mutations in Nature Conferred a High Affinity Phosphatidylinositol 4,5-Bisphosphate-Binding Site in Vertebrate Inwardly Rectifying Potassium Channels. Journal of Biological Chemistry, 2015, 290, 16517-29.	4.2	17
705	Evolutionary Transitions to Multicellular Life. Advances in Marine Genomics, 2015, .	0.0	26
706	Transcriptome and Venom Proteome of the Box Jellyfish Chironex fleckeri. BMC Genomics, 2015, 16, 1-15.	3.9	107
707	The Genome of Aiptasia, a Sea Anemone Model for Coral Symbiosis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11893-11898.	9.0	357
708	The Venomous Cocktail of the Vampire Snail Colubraria reticulata (Mollusca, Gastropoda). BMC Genomics, 2015, 16, 1-21.	3.9	49
709	Environmental Epigenetics: A Promising Venue for Developing Next-Generation Pollution Biomonitoring Tools in Marine Invertebrates. Marine Pollution Bulletin, 2015, 98, 5-13.	5.2	66
710	A Pipeline for the Systematic Identification of Non-Redundant Full-ORF cDNAs for Polymorphic and Evolutionary Divergent Genomes: Application to the Ascidian Ciona intestinalis. Developmental Biology, 2015, 404, 149-163.	2.1	23
711	Comparative Analyses of Developmental Transcription Factor Repertoires in Sponges Reveal Unexpected Complexity of the Earliest Animals. Marine Genomics, 2015, 24, 121-129.	1.4	29
712	Recent Advances in Genomics and Transcriptomics of Cnidarians. Marine Genomics, 2015, 24, 131-138.	1.4	29
713	How Complexity Originates: The Evolution of Animal Eyes. Annual Review of Ecology, Evolution, and Systematics, 2015, 46, 237-260.	12.3	60
714	Ancient Origin of cGAS-STING Reveals Mechanism of Universal 2',3' cGAMP Signaling. Molecular Cell, 2015, 59, 891-903.	13.2	239
715	Evolutionary Developmental Biology of Invertebrates 1. , 2015, .		12
716	Cnidaria. , 2015, .		16
717	Ctenophora. , 2015, .		15
718	Endosymbiotic Origin and Differential Loss of Eukaryotic Genes. Nature, 2015, 524, 427-432.	54.7	260
719	KLF/SP Transcription Factor Family Evolution: Expansion, Diversification, and Innovation in Eukaryotes. Genome Biology and Evolution, 2015, 7, 2289-309.	3.2	102
720	The Evolution of Animal Genomes. Current Opinion in Genetics and Development, 2015, 35, 25-32.	4.4	47

#	Article	IF	Citations
721	The Insect Chemoreceptor Superfamily Is Ancient in Animals. Chemical Senses, 2015, 40, 609-14.	2.4	75
722	Multidimensional Drift of Sequence Attributes and Functional Profiles in the Superfamily of the Three-Finger Proteins and Their Structural Homologues. Journal of Chemical Information and Modeling, 2015, 55, 2026-41.	6.7	8
723	From Somatic Cells to Oocytes: A Novel Yolk Protein Produced by Ovarian Somatic Cells in a Stony Coral, Euphyllia ancora. Biology of Reproduction, 2015, 93, 57.	3.2	19
724	Phylogenetic Profiling for Probing the Modular Architecture of the Human Genome. Cell Systems, 2015, 1, 106-115.	6.6	30
725	Mathematical Models in Biology. , 2015, .		4
726	Tunicate Neurogenesis: The Case of the SoxB2 Missing CNE. , 2015, .		0
727	Genomic Insights Into the Evolutionary Origin of Myxozoa Within Cnidaria. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14912-14917.	9.0	205
728	Gene Expression Associated With White Syndromes in a Reef Building Coral, Acropora hyacinthus. BMC Genomics, 2015, 16, 1-12.	3.9	249
729	Current Directions and Future Perspectives From the Third Nematostella Research Conference. Zoology, 2015, 118, 135-140.	1.4	8
730	The Dynamically Evolving Nematocyst Content of an Anthozoan, a Scyphozoan, and a Hydrozoan. Molecular Biology and Evolution, 2015, 32, 740-53.	6.2	104
731	cDNA Cloning and Characterization of a Rhamnose-Binding Lectin SUL-I From the Toxopneustid Sea Urchin Toxopneustes Pileolus Venom. Toxicon, 2015, 94, 8-15.	2.4	11
732	Evolving Gene Regulatory Networks Into Cellular Networks Guiding Adaptive Behavior: An Outline How Single Cells Could Have Evolved Into a Centralized Neurosensory System. Cell and Tissue Research, 2015, 359, 295-313.	3.5	28
733	Nme Family of Proteins—Clues From Simple Animals. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 133-142.	4.7	14
734	Structural Molecular Components of Septate Junctions in Cnidarians Point to the Origin of Epithelial Junctions in Eukaryotes. Molecular Biology and Evolution, 2015, 32, 44-62.	6.2	72
735	Evolution of TRP Channels Inferred by Their Classification in Diverse Animal Species. Molecular Phylogenetics and Evolution, 2015, 84, 145-157.	4.0	173
736	Resolución de conflictos al interior del organismo: el papel del sistema inmune. Acta Biologica Colombiana, 2016, 21, 287-295.	0.4	0
737	Neurotrophin, p75, and Trk Signaling Module in the Developing Nervous System of the Marine Annelid Platynereis dumerilii. BioMed Research International, 2016, 2016, 2456062.	3.8	10
738	Tentacle Transcriptome and Venom Proteome of the Pacific Sea Nettle, Chrysaora fuscescens (Cnidaria: Scyphozoa). Toxins, 2016, 8, 102.	4.2	82

#	Article	IF	Citations
739	A Transcriptional Blueprint for a Spiral-Cleaving Embryo. BMC Genomics, 2016, 17, 1-25.	3.9	25
740	Evolution of the Cytolytic Pore-Forming Proteins (Actinoporins) in Sea Anemones. Toxins, 2016, 8, 368.	4.2	51
741	. Hikaku Seiri Seikagaku(Comparative Physiology and Biochemistry), 2016, 33, 116-125.	0.1	2
742	Evolution of Homeobox Gene Clusters in Animals: The Giga-Cluster and Primary vs. Secondary Clustering. Frontiers in Ecology and Evolution, 2016, 4, 183245.	3.1	41
743	Thermal and pCO2 Stress Elicit Divergent Transcriptomic Responses in a Resilient Coral. Frontiers in Marine Science, 2016, 3, 198643.	3.2	91
744	Using Nematostella vectensis to Study the Interactions Between Genome, Epigenome, and Bacteria in a Changing Environment. Frontiers in Marine Science, 2016, 3, 216931.	3.2	31
745	Insights Into the Innate Immunome of Actiniarians Using a Comparative Genomic Approach. BMC Genomics, 2016, 17, 1-15.	3.9	45
746	Partitioning of Respiration in an Animal-Algal Symbiosis: Implications for Different Aerobic Capacity Between Symbiodinium spp.. Frontiers in Physiology, 2016, 7, 181784.	4.5	27
747	Physiology and Evolution of Voltage-Gated Calcium Channels in Early Diverging Animal Phyla: Cnidaria, Placozoa, Porifera and Ctenophora. Frontiers in Physiology, 2016, 7, 227618.	4.5	68
748	Phylogeny of Plant CAMTAs and Role of AtCAMTAs in Nonhost Resistance to Xanthomonas oryzae pv. Oryzae. Frontiers in Plant Science, 2016, 7, 166981.	5.8	69
749	Corallimorpharians Are Not “Naked Corals”: Insights Into Relationships Between Scleractinia and Corallimorpharia From Phylogenomic Analyses. PeerJ, 2016, 4, e2463.	2.9	28
750	Small Packages, Big Returns: Uncovering the Venom Diversity of Small Invertebrate Conoidean Snails. Integrative and Comparative Biology, 2016, 56, 962-972.	2.2	14
751	A Transcriptional Time-Course Analysis of Oral vs. Aboral Whole-Body Regeneration in the Sea Anemone Nematostella vectensis. BMC Genomics, 2016, 17, 1-22.	3.9	49
752	Do Novel Genes Drive Morphological Novelty? An Investigation of the Nematosomes in the Sea Anemone Nematostella vectensis. BMC Evolutionary Biology, 2016, 16, 1-22.	3.7	54
753	Comparative Transcriptomics Enlarges the Toolkit of Known Developmental Genes in Mollusks. BMC Genomics, 2016, 17, 1-23.	3.9	42
754	Using Viromes to Predict Novel Immune Proteins in Non-Model Organisms. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161200.	3.4	5
755	Characterization of the Cadherin-Catenin Complex of the Sea Anemone Nematostella vectensis and Implications for the Evolution of Metazoan Cell-Cell Adhesion. Molecular Biology and Evolution, 2016, 33, 2016-29.	6.2	22
756	Molecular Basis for the Toxin Insensitivity of Scorpion Voltage-Gated Potassium Channel MmKv1. Biochemical Journal, 2016, 473, 1257-1266.	4.0	6

#	Article	IF	Citations
757	Evolution by Gene Loss. Nature Reviews Genetics, 2016, 17, 379-391.	59.2	671
758	Unique Carbohydrate Binding Platforms Employed by the Glucan Phosphatases. Cellular and Molecular Life Sciences, 2016, 73, 2765-2778.	6.6	26
759	Cnidarian Immunity: From Genomes to Phenomes. , 2016, .		38
760	Origin and Evolution of the Nervous System Considered From the Diffuse Nervous System of Cnidarians. , 2016, .		11
761	Lolal Is an Evolutionarily New Epigenetic Regulator of Dpp Transcription During Dorsal-Ventral Axis Formation. Molecular Biology and Evolution, 2016, 33, 2621-32.	6.2	6
762	An Optimised Phylogenetic Method Sheds More Light on the Main Branching Events of Rhodopsin-Like Superfamily. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2016, 20, 85-94.	2.0	14
763	Evo-Devo: Discovery of Diverse Mechanisms Regulating Development. Current Topics in Developmental Biology, 2016, 117, 253-274.	4.5	9
764	De Novo Assembly of the Transcriptome of Turritopsis, a Jellyfish That Repeatedly Rejuvenates. Zoological Science, 2016, 33, 366-71.	1.0	15
765	The Rise of the Starlet Sea Anemone Nematostella vectensis as a Model System to Investigate Development and Regeneration. Wiley Interdisciplinary Reviews: Developmental Biology, 2016, 5, 408-428.	4.4	128
766	The Transcriptome of the Zoanthid Protopalythoa variabilis (Cnidaria, Anthozoa) Predicts a Basal Repertoire of Toxin-Like and Venom-Auxiliary Polypeptides. Genome Biology and Evolution, 2016, 8, 3045-3064.	3.2	47
767	Ancient Origins of Metazoan Gonadotropin-Releasing Hormone and Their Receptors Revealed by Phylogenomic Analyses. General and Comparative Endocrinology, 2016, 234, 10-19.	1.9	33
768	Comparative Genomic Analysis of Retrogene Repertoire in Two Green Algae Volvox carteri and Chlamydomonas reinhardtii. Biology Direct, 2016, 11, 1-12.	5.3	13
769	Studying the Genetic Basis of Speciation in High Gene Flow Marine Invertebrates. Environmental Epigenetics, 2016, 62, 643-653.	2.5	18
770	Survey of Cnidarian Gene Expression Profiles in Response to Environmental Stressors: Summarizing 20 Years of Research, What Are We Heading For?. , 2016, .		15
771	In Vitro Cultures of Ectodermal Monolayers From the Model Sea Anemone Nematostella vectensis. Cell and Tissue Research, 2016, 366, 693-705.	3.5	15
772	Transcriptome of the Caribbean Stony Coral Porites astreoides From Three Developmental Stages. GigaScience, 2016, 5, 33.	5.6	17
773	Non-Excitable Fluorescent Protein Orthologs Found in Ctenophores. BMC Evolutionary Biology, 2016, 16, 1-8.	3.7	8
774	An Analysis of the Population of Extended Main-Sequence Turn-Off Clusters in the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1632-1641.	5.3	12

#	Article	IF	Citations
775	Functional Characterization of p53 Pathway Components in the Ancient Metazoan Trichoplax adhaerens. Scientific Reports, 2016, 6, 1-11.	5.2	11
776	MAPK Signaling Is Necessary for Neurogenesis in Nematostella vectensis. BMC Biology, 2016, 14, 1-19.	5.2	53
777	Precambrian Origins of the TNFR Superfamily. Cell Death Discovery, 2016, 2, 1-6.	10.4	39
778	Putative Extremely High Rate of Proteome Innovation in Lancelets Might Be Explained by High Rate of Gene Prediction Errors. Scientific Reports, 2016, 6, 1-11.	5.2	14
779	Phi Class of Glutathione S-Transferase Gene Superfamily Widely Exists in Nonplant Taxonomic Groups. Evolutionary Bioinformatics, 2016, 12, 59-71.	1.5	28
780	Response of Bacterial Colonization in Nematostella vectensis to Development, Environment and Biogeography. Environmental Microbiology, 2016, 18, 1764-1781.	4.5	78
781	Specific Inflammatory Response of Anemonia sulcata (Cnidaria) After Bacterial Injection Causes Tissue Reaction and Enzymatic Activity Alteration. Journal of Invertebrate Pathology, 2016, 135, 15-21.	2.3	14
782	Genomics and Development of Nematostella vectensis and Other Anthozoans. Current Opinion in Genetics and Development, 2016, 39, 63-70.	4.4	29
783	The Journal of Immunology | Oxford Academic. Journal of Immunology, 2016, 197, 11-8.	3.6	109
784	Sponges as Models to Study Emergence of Complex Animals. Current Opinion in Genetics and Development, 2016, 39, 21-28.	4.4	30
785	Genome-Wide Identification, Characterization and Expression Analyses of Two TNFRs in Yesso Scallop (Patinopecten yessoensis) Provide Insight Into the Disparity of Responses to Bacterial Infections and Heat Stress in Bivalves. Fish and Shellfish Immunology, 2016, 52, 44-56.	4.1	22
786	Sequential Development of Apical-Basal and Planar Polarities in Aggregating Epitheliomuscular Cells of Hydra. Developmental Biology, 2016, 412, 148-159.	2.1	34
787	A Comparative View of Early Development in the Corals Favia Lizardensis, Ctenactis echinata, and Acropora millepora - Morphology, Transcriptome, and Developmental Gene Expression. BMC Evolutionary Biology, 2016, 16, 1-12.	3.7	18
788	Genome-Wide Polymorphism and Signatures of Selection in the Symbiotic Sea Anemone Aiptasia. BMC Genomics, 2016, 17, 1-14.	3.9	21
789	Genome Analysis of Structure–Function Relationships in Respiratory Complex I, an Ancient Bioenergetic Enzyme. Genome Biology and Evolution, 2016, 8, 126-147.	3.2	15
790	Expression Characterization of Stress Genes Under High and Low Temperature Stresses in the Pacific Oyster, Crassostrea Gigas. Marine Biotechnology, 2016, 18, 176-188.	2.8	84
791	The Origin of the Hox/ParaHox Genes, the Ghost Locus Hypothesis and the Complexity of the First Animal. Briefings in Functional Genomics, 2016, 15, 333-341.	3.7	25
792	Mobile Element Evolution Playing Jigsaw - SINEs in Gastropod and Bivalve Mollusks. Genome Biology and Evolution, 2016, 8, 253-70.	3.2	12

#	Article	IF	Citations
793	Maintenance of a Protein Structure in the Dynamic Evolution of TIMPs Over 600 Million Years. Genome Biology and Evolution, 2016, 8, 1056-71.	3.2	14
794	The Evolution of Antiviral Defense Systems. Cell Host and Microbe, 2016, 19, 142-149.	17.1	130
795	Ecological Venomics: How Genomics, Transcriptomics and Proteomics Can Shed New Light on the Ecology and Evolution of Venom. Journal of Proteomics, 2016, 135, 62-72.	3.1	90
796	The Evolutionary Diversification of Genes That Encode Transcription Factor Proteins in Plants. , 2016, .		4
797	Diversity and Evolution of TIR-Domain-Containing Proteins in Bivalves and Metazoa: New Insights From Comparative Genomics. Developmental and Comparative Immunology, 2017, 70, 145-164.	2.5	51
798	Adaptive Evolution of Extreme Acidophile Sulfobacillus thermosulfidooxidans Potentially Driven by Horizontal Gene Transfer and Gene Loss. Applied and Environmental Microbiology, 2017, .	4.2	56
799	The Evolutionary Origin of Plant and Animal microRNAs. Nature Ecology and Evolution, 2017, 1, 1-8.	16.0	208
800	Role and Convergent Evolution of Competing RNA Secondary Structures in Mutually Exclusive Splicing. RNA Biology, 2017, 14, 1399-1410.	4.4	17
801	Transcriptome Profiling of Galaxea fascicularis and Its Endosymbiont Symbiodinium Reveals Chronic Eutrophication Tolerance Pathways and Metabolic Mutualism Between Partners. Scientific Reports, 2017, 7, 1-14.	5.2	26
802	Transcriptome Analysis of Ruditapes philippinarum Hepatopancreas Provides Insights Into Immune Signaling Pathways Under Vibrio anguillarum Infection. Fish and Shellfish Immunology, 2017, 64, 14-23.	4.1	40
803	Back Through Time: How Cnidarians and Basal Metazoans Shed Light on Ancient Nervous Systems. Diversity and Commonality in Animals, 2017, .	0.0	5
804	Genomics and Evolution of Protein Phosphatases. Science Signaling, 2017, .	6.7	261
805	Draft Genomes of the Corallimorpharians Amplexidiscus Fenestrafer and Discosoma sp.. Molecular Ecology Resources, 2017, 17, e187-e195.	6.4	25
806	Evolutionary Origins of cGAS-STING Signaling. Trends in Immunology, 2017, 38, 733-743.	14.2	256
807	Comparative and Evolutionary Analysis of an Adapter Molecule MyD88 in Invertebrate Metazoans. Developmental and Comparative Immunology, 2017, 76, 18-24.	2.5	12
808	The Origin of Metazoa: A Unicellular Perspective. Nature Reviews Genetics, 2017, 18, 498-512.	59.2	253
809	Molecular Recognition of the Environment and Mechanisms of the Origin of Species in Quantum-Like Modeling of Evolution. Progress in Biophysics and Molecular Biology, 2017, 130, 61-79.	4.9	12
810	Selectivity Determinants of GPCR–G-Protein Binding. Nature, 2017, 545, 317-322.	54.7	356

#	Article	IF	Citations
811	Independent Evolution of Genomic Characters During Major Metazoan Transitions. Developmental Biology, 2017, 427, 179-192.	2.1	35
812	Developing Transcriptional Profiles in Orbicella Franksi Exposed to Copper: Characterizing Responses Associated With a Spectrum of Laboratory-Controlled Environmental Conditions. Aquatic Toxicology, 2017, 189, 60-76.	4.9	1
813	Similar Ratios of Introns to Intergenic Sequence Across Animal Genomes. Genome Biology and Evolution, 2017, 9, 1582-1598.	3.2	53
814	Evolutionary Conserved Mechanisms Pervade Structure and Transcriptional Modulation of Allograft Inflammatory Factor-1 From Sea Anemone Anemonia viridis. Fish and Shellfish Immunology, 2017, 67, 86-94.	4.1	11
815	Identification of Genes for Synthesis of the Blue Pigment, Biliverdin IXα, in the Blue Coral Heliopora coerulea. Biological Bulletin, 2017, 232, 71-81.	1.0	11
816	ADAR RNA Editing Below the Backbone. Rna, 2017, 23, 1317-1328.	3.9	39
817	A Novel Technique to Combine and Analyse Spatial and Temporal Expression Datasets: A Case Study With the Sea Anemone Nematostella vectensis to Identify Potential Gene Interactions. Developmental Biology, 2017, 428, 204-214.	2.1	5
818	The c-Jun N-Terminal Kinase Prevents Oxidative Stress Induced by UV and Thermal Stresses in Corals and Human Cells. Scientific Reports, 2017, 7, 1-10.	5.2	30
819	Evolution of Ligands, Receptors and Metabolizing Enzymes of Thyroid Signaling. Molecular and Cellular Endocrinology, 2017, 459, 5-13.	3.4	60
820	Heteromorphism of "Homomorphic" Sex Chromosomes in Two Anole Species (Squamata, Dactyloidae) Revealed by Synaptonemal Complex Analysis. Cytogenetic and Genome Research, 2017, 151, 89-95.	2.3	9
821	Back to the Basics: Cnidarians Start to Fire. Trends in Neurosciences, 2017, 40, 92-105.	17.1	115
822	New Insights Into the Roles of Retinoic Acid Signaling in Nervous System Development and the Establishment of Neurotransmitter Systems. International Review of Cell and Molecular Biology, 2017, 330, 1-84.	9.9	26
823	Getting Nervous: An Evolutionary Overhaul for Communication. Annual Review of Genetics, 2017, 51, 455-476.	9.4	46
824	Evolution of the Marine Animal Forest: EvoDevo of Corals, Sea Anemones, and Jellyfishes. , 2017, .		0
825	Unipotent Progenitors Contribute to the Generation of Sensory Cell Types in the Nervous System of the Cnidarian Nematostella vectensis. Developmental Biology, 2017, 431, 59-68.	2.1	26
826	Meganuclease-Assisted Generation of Stable Transgenics in the Sea Anemone Nematostella vectensis. Nature Protocols, 2017, 12, 1844-1854.	19.2	43
827	Regulation of AP-1 by MAPK Signaling in Metal-Stressed Sea Anemone. Cellular Physiology and Biochemistry, 2017, 42, 952-964.	2.4	20
828	Competing Forces Maintain the Hydra Metaorganism. Immunological Reviews, 2017, 279, 123-136.	11.2	33

#	Article	IF	Citations
829	Gut-Like Ectodermal Tissue in a Sea Anemone Challenges Germ Layer Homology. Nature Ecology and Evolution, 2017, 1, 1535-1542.	16.0	111
830	The Apostasia Genome and the Evolution of Orchids. Nature, 2017, 549, 379-383.	54.7	341
831	A Novel and Stress Adaptive Alternative Oxidase Derived From Alternative Splicing of Duplicated Exon in Oyster Crassostrea virginica. Scientific Reports, 2017, 7, 1-10.	5.2	22
832	Revisiting Venom of the Sea Anemone Stichodactyla haddoni: Omics Techniques Reveal the Complete Toxin Arsenal of a Well-Studied Sea Anemone Genus. Journal of Proteomics, 2017, 166, 83-92.	3.1	85
833	Transcriptomes and Expression Profiling of Deep-Sea Corals From the Red Sea Provide Insight Into the Biology of Azooxanthellate Corals. Scientific Reports, 2017, 7, 1-11.	5.2	29
834	Identification of CYP443D1 (CYP74 Clan) of Nematostella vectensis as a First Cnidarian Epoxyalcohol Synthase and Insights Into Its Catalytic Mechanism. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 1099-1109.	3.1	22
835	The Mitochondrial Genome of a Sea Anemone Bolocera sp. Exhibits Novel Genetic Structures Potentially Involved in Adaptation to the Deep-Sea Environment. Ecology and Evolution, 2017, 7, 4951-4962.	2.5	52
836	A Bipolar Role of the Transcription Factor ERG for Cnidarian Germ Layer Formation and Apical Domain Patterning. Developmental Biology, 2017, 430, 346-361.	2.1	24
837	Defensin-Neurotoxin Dyad in a Basally Branching Metazoan Sea Anemone. FEBS Journal, 2017, 284, 3320-3338.	5.6	41
838	Modulation of Activation and Inactivation by Ca2+ and 2-APB in the Pore of an Archetypal TRPM Channel From Nematostella vectensis. Scientific Reports, 2017, 7, 1-13.	5.2	10
839	Characterization of the piRNA Pathway During Development of the Sea Anemone Nematostella vectensis. RNA Biology, 2017, 14, 1727-1741.	4.4	54
840	Animal Multicellularity and Polarity Without Wnt Signaling. Scientific Reports, 2017, 7, 1-11.	5.2	23
841	Sea Anemone Model Has a Single Toll-Like Receptor That Can Function in Pathogen Detection, NF-κB Signal Transduction, and Development. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10122-E10131.	9.0	73
842	Characterization of NvLWamide-Like Neurons Reveals Stereotypy in Nematostella Nerve Net Development. Developmental Biology, 2017, 431, 336-346.	2.1	32
843	Antagonistic BMP–cWNT Signaling in the Cnidarian Nematostella vectensis Reveals Insight Into the Evolution of Mesoderm. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5608-E5615.	9.0	37
844	Non-Model Model Organisms. BMC Biology, 2017, 15, 1-31.	5.2	195
845	Conservatism and Variability of Gene Expression Profiles Among Homeologous Transcription Factors in Xenopus laevis. Developmental Biology, 2017, 426, 301-324.	2.1	27
846	Characterization of Glutathione Peroxidase Diversity in the Symbiotic Sea Anemone Anemonia viridis. Biochimie, 2017, 132, 94-101.	3.4	22

#	Article	IF	Citations
847	Origin and Evolution of the Metazoan Non-Coding Regulatory Genome. Developmental Biology, 2017, 427, 193-202.	2.1	52
848	The Cellular and Molecular Basis of Cnidarian Neurogenesis. Wiley Interdisciplinary Reviews: Developmental Biology, 2017, 6, e257.	4.4	73
849	Marine Genomics: News and Views. Marine Genomics, 2017, 31, 1-8.	1.4	15
850	Comparative Analysis of the Genomes of Stylophora pistillata and Acropora digitifera Provides Evidence for Extensive Differences Between Species of Corals. Scientific Reports, 2017, 7, 1-14.	5.2	128
851	Decontaminating Eukaryotic Genome Assemblies With Machine Learning. BMC Bioinformatics, 2017, 18, 1-16.	5.8	19
852	Genome-Based Analyses of Six Hexacorallian Species Reject the "Naked Coral" Hypothesis. Genome Biology and Evolution, 2017, 9, 2626-2634.	3.2	7
853	Different Principles of ADP-Ribose-Mediated Activation and Opposite Roles of the NUDT9 Homology Domain in the TRPM2 Orthologs of Man and Sea Anemone. Frontiers in Physiology, 2017, 8, 290690.	4.5	15
854	Genomes as Documents of Evolutionary History: A Probabilistic Macrosynteny Model for the Reconstruction of Ancestral Genomes. Bioinformatics, 2017, 33, i369-i378.	6.4	26
855	Diversity of Cnidarian Muscles: Function, Anatomy, Development and Regeneration. Frontiers in Cell and Developmental Biology, 2017, 4, 243953.	5.3	80
856	Dynamics of Genomic Innovation in the Unicellular Ancestry of Animals. ELife, 2017, .	5.2	136
857	Keeping It All Going—Complement Meets Metabolism. Frontiers in Immunology, 2017, 8, 245454.	6.9	522
858	Amphioxus Sp5 Is a Member of a Conserved Specificity Protein Complement and Is Modulated by Wnt/β-Catenin Signalling. International Journal of Developmental Biology, 2017, 61, 723-732.	1.9	10
859	Rfx2 Stabilizes Foxj1 Binding at Chromatin Loops to Enable Multiciliated Cell Gene Expression. PLoS Genetics, 2017, 13, e1006538.	3.9	81
860	Evolution of Life on Earth. Cell Biology, 2017, .	0.2	0
861	Early Development of Amphioxus Links Evolutionary Events With Vertebrates. International Journal of Developmental Biology, 2017, 61, 591-600.	1.9	2
862	Reengineering the Primary Body Axis by Ectopic cWnt Signaling. Current Biology, 2018, 28, R206-R207.	4.7	6
863	GC Content of Early Metazoan Genes and Its Impact on Gene Expression Levels in Mammalian Cell Lines. Genome Biology and Evolution, 2018, 10, 909-917.	3.2	7
864	Identification of the Two New, Functional Actinoporins, CJTOX I and CJTOX II, From the Deep-Sea Anemone Cribrinopsis Japonica. Toxicon, 2018, 148, 40-49.	2.4	4

#	Article	IF	Citations
865	Transcriptome, Expression, and Activity Analyses Reveal a Vital Heat Shock Protein 70 in the Stress Response of Stony Coral Pocillopora damicornis. Cell Stress and Chaperones, 2018, 23, 711-721.	4.4	22
866	Evolution of Neuropeptide Signalling Systems. Journal of Experimental Biology, 2018, .	2.6	207
867	Expression of Homing Endonuclease Gene and Insertion-Like Element in Sea Anemone Mitochondrial Genomes: Lesson Learned From Anemonia viridis. Gene, 2018, 652, 78-86.	2.9	19
868	Antimicrobial and Stress Responses to Increased Temperature and Bacterial Pathogen Challenge in the Holobiont of a Reef-Building Coral. Molecular Ecology, 2018, 27, 1065-1080.	4.1	59
869	The Sea Lamprey Germline Genome Provides Insights Into Programmed Genome Rearrangement and Vertebrate Evolution. Nature Genetics, 2018, 50, 270-277.	25.5	259
870	Comparative Methods for Reconstructing Ancient Genome Organization. Methods in Molecular Biology, 2018, 1704, 343-362.	1.2	12
871	Cnidarian Primary Cell Culture as a Tool to Investigate the Effect of Thermal Stress at Cellular Level. Marine Biotechnology, 2018, 20, 144-154.	2.8	20
872	An Adaptable Chromosome Preparation Methodology for Use in Invertebrate Research Organisms. BMC Biology, 2018, 16, 1-14.	5.2	35
873	Transcriptome-Wide Analysis of Differential Gene Expression in Response to Light:Dark Cycles in a Model Cnidarian. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2018, 26, 40-49.	2.0	11
874	Transcriptome Sequencing and Characterization of Symbiodinium Muscatinei and Elliptochloris Marina, Symbionts Found Within the Aggregating Sea Anemone Anthopleura elegantissima. Marine Genomics, 2018, 37, 82-91.	1.4	5
875	Nemertean and Phoronid Genomes Reveal Lophotrochozoan Evolution and the Origin of Bilaterian Heads. Nature Ecology and Evolution, 2018, 2, 141-151.	16.0	111
876	Peptide Fingerprinting of the Sea Anemone Heteractis magnifica Mucus Revealed Neurotoxins, Kunitz-Type Proteinase Inhibitors and a New β-Defensin α-Amylase Inhibitor. Journal of Proteomics, 2018, 173, 12-21.	3.1	32
877	Evolutionary Dynamics of the Wnt Gene Family: Implications for Lophotrochozoans. Journal of Oceanology and Limnology, 2018, 36, 1720-1730.	1.8	3
878	Characterization of Mitochondrial Proteomes of Nonbilaterian Animals. IUBMB Life, 2018, 70, 1289-1301.	3.6	9
879	Role of Gene Body Methylation in Acclimatization and Adaptation in a Basal Metazoan. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13342-13346.	9.0	130
880	Modular Proteoglycan Perlecan/HSPG2: Mutations, Phenotypes, and Functions. Genes, 2018, 9, 556.	3.4	72
881	An Axial Hox Code Controls Tissue Segmentation and Body Patterning in Nematostella vectensis. Science, 2018, 361, 1377-1380.	43.1	129
882	Binning Enables Efficient Host Genome Reconstruction in Cnidarian Holobionts. GigaScience, 2018, .	5.6	15

#	Article	IF	Citations
883	Cell Type-Specific Expression Profiling Unravels the Development and Evolution of Stinging Cells in Sea Anemone. BMC Biology, 2018, 16, 1-16.	5.2	58
884	Comparative Genomics Reveals the Distinct Evolutionary Trajectories of the Robust and Complex Coral Lineages. Genome Biology, 2018, 19, 1-24.	9.8	62
885	Comparative Analysis of the Pocillopora damicornis Genome Highlights Role of Immune System in Coral Evolution. Scientific Reports, 2018, 8, 1-10.	5.2	113
886	CRISPR/Cas9-Mediated Gene Knockin in the Hydroid Hydractinia symbiolongicarpus. BMC Genomics, 2018, 19, 1-17.	3.9	46
887	Cnidarian Interaction With Microbial Communities: From Aid to Animal's Health to Rejection Responses. Marine Drugs, 2018, 16, 296.	6.1	32
888	Evidence for a Large Expansion and Subfunctionalization of Globin Genes in Sea Anemones. Genome Biology and Evolution, 2018, 10, 1892-1901.	3.2	10
889	Hierarchical Biogeographical Processes Largely Explain the Genomic Divergence Pattern in a Species Complex of Sea Anemones (Metridioidea: Sagartiidae: Anthothoe). Molecular Phylogenetics and Evolution, 2018, 127, 217-228.	4.0	11
890	Anti-Haemostatic Compounds From the Vampire Snail Cumia reticulata: Molecular Cloning and In-Silico Structure-Function Analysis. Computational Biology and Chemistry, 2018, 75, 168-177.	3.8	7
891	Hox and Wnt Pattern the Primary Body Axis of an Anthozoan Cnidarian Before Gastrulation. Nature Communications, 2018, 9, 1-12.	18.1	64
892	Cnidarian Cell Type Diversity and Regulation Revealed by Whole-Organism Single-Cell RNA-Seq. Cell, 2018, 173, 1520-1534.e20.	38.3	278
893	Transcriptome Analysis of the Reef-Building Octocoral, Heliopora coerulea. Scientific Reports, 2018, 8, 1-11.	5.2	25
894	Polymorphic Adaptations in Metazoans to Establish and Maintain Photosymbioses. Biological Reviews, 2018, 93, 2006-2020.	12.7	68
895	Roles of Germline Stem Cells and Somatic Multipotent Stem Cells in Hydra Sexual Reproduction. Diversity and Commonality in Animals, 2018, .	0.0	9
896	The Molecular Basis of the Gastrula Organizer in Amphibians and Cnidarians. Diversity and Commonality in Animals, 2018, .	0.0	4
897	Early Metazoan Cell Type Diversity and the Evolution of Multicellular Gene Regulation. Nature Ecology and Evolution, 2018, 2, 1176-1188.	16.0	246
898	Gene Family Innovation, Conservation and Loss on the Animal Stem Lineage. ELife, 2018, .	5.2	176
899	Improved Phylogenetic Resolution Within Siphonophora (Cnidaria) With Implications for Trait Evolution. Molecular Phylogenetics and Evolution, 2018, 127, 823-833.	4.0	32
900	Myxozoans: Ancient Metazoan Parasites Find a Home in Phylum Cnidaria. Zoology, 2018, 129, 66-68.	1.4	71

#	Article	IF	Citations
901	Cnidaria: Anthozoans in the Hot Seat. , 2018, .		26
902	Toll-Like Receptors, Associated Biological Roles, and Signaling Networks in Non-Mammals. Frontiers in Immunology, 2018, 9, 391632.	6.9	303
903	Ancient Origin of the CARD–Coiled Coil/Bcl10/MALT1-Like Paracaspase Signaling Complex Indicates Unknown Critical Functions. Frontiers in Immunology, 2018, 9, 373757.	6.9	28
904	Characterization of Translationally Controlled Tumour Protein From the Sea Anemone Anemonia viridis and Transcriptome Wide Identification of Cnidarian Homologues. Genes, 2018, 9, 30.	3.4	8
905	Transcriptional Analyses Provide New Insight Into the Late-Stage Immune Response of a Diseased Caribbean Coral. Royal Society Open Science, 2018, 5, 172062.	3.1	31
906	Proteomic Analyses of the Unexplored Sea Anemone Bunodactis Verrucosa. Marine Drugs, 2018, 16, 42.	6.1	32
907	Sea Anemones: Quiet Achievers in the Field of Peptide Toxins. Toxins, 2018, 10, 36.	4.2	115
908	PhcrTx2, A New Crab-Paralyzing Peptide Toxin From the Sea Anemone Phymanthus Crucifer. Toxins, 2018, 10, 72.	4.2	12
909	Phylogenomics Provides a Robust Topology of the Major Cnidarian Lineages and Insights on the Origins of Key Organismal Traits. BMC Evolutionary Biology, 2018, 18, 1-18.	3.7	206
910	NvERTx: A Gene Expression Database to Compare Embryogenesis and Regeneration in the Sea Anemone Nematostella vectensis. Development (Cambridge), 2018, .	3.7	58
911	Morphological Stasis and Proteome Innovation in Cephalochordates. Genes, 2018, 9, 353.	3.4	2
912	Hydra Mesoglea Proteome Identifies Thrombospondin as a Conserved Component Active in Head Organizer Restriction. Scientific Reports, 2018, 8, 1-18.	5.2	34
913	Model Systems for Exploring the Evolutionary Origins of the Nervous System. Results and Problems in Cell Differentiation, 2018, 65, 185-196.	0.0	4
914	Evolution of the Bilaterian Mouth and Anus. Nature Ecology and Evolution, 2018, 2, 1358-1376.	16.0	48
915	Elucidating the Small Regulatory RNA Repertoire of the Sea Anemone Anemonia viridis Based on Whole Genome and Small RNA Sequencing. Genome Biology and Evolution, 2018, 10, 410-426.	3.2	13
916	Variation Across Species and Levels: Implications for Model Species Research. Brain, Behavior and Evolution, 2019, 93, 57-69.	1.3	21
917	Ancient Animal Genome Architecture Reflects Cell Type Identities. Nature Ecology and Evolution, 2019, 3, 1289-1293.	16.0	19
918	Differential Gene Expression Analysis of Symbiotic and Aposymbiotic Exaiptasia Anemones Under Immune Challenge With Vibrio coralliilyticus. Ecology and Evolution, 2019, 9, 8279-8293.	2.5	20

#	Article	IF	Citations
919	Sponge Behavior and the Chemical Basis of Responses: A Post-Genomic View. Integrative and Comparative Biology, 2019, 59, 751-764.	2.2	32
920	Old Questions and Young Approaches to Animal Evolution. Fascinating Life Sciences, 2019, .	0.0	3
921	Origin and Evolution of Nervous Systems. Fascinating Life Sciences, 2019, .	0.0	2
922	Still Enigmatic: Innate Immunity in the Ctenophore Mnemiopsis leidyi. Integrative and Comparative Biology, 2019, 59, 811-818.	2.2	27
923	Box, Stalked, and Upside-Down? Draft Genomes From Diverse Jellyfish (Cnidaria, Acraspeda) Lineages: Alatina alata (Cubozoa), Calvadosia Cruxmelitensis (Staurozoa), and Cassiopea xamachana (Scyphozoa). GigaScience, 2019, .	5.6	58
924	The Draft Genome of Actinia Tenebrosa Reveals Insights Into Toxin Evolution. Ecology and Evolution, 2019, 9, 11314-11328.	2.5	33
925	Reconstruction of Protein Domain Evolution Using Single-Cell Amplified Genomes of Uncultured Choanoflagellates Sheds Light on the Origin of Animals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190088.	5.2	42
926	Discovery of a Receptor Guanylate Cyclase Expressed in the Sperm Flagella of Stony Corals. Scientific Reports, 2019, 9, 1-9.	5.2	10
927	Diel Patterning in the Bacterial Community Associated With the Sea Anemone Nematostella vectensis. Ecology and Evolution, 2019, 9, 9935-9947.	2.5	22
928	Co-Expression of Synaptic Genes in the Sponge Amphimedon queenslandica Uncovers Ancient Neural Submodules. Scientific Reports, 2019, 9, 1-15.	5.2	18
929	A Case of Nascent Speciation: Unique Polymorphism of Gonophores Within Hydrozoan Sarsia Lovenii. Scientific Reports, 2019, 9, 1-13.	5.2	14
930	Coupled Genomic Evolutionary Histories as Signatures of Organismal Innovations in Cephalopods. BioEssays, 2019, 41, 1900073.	3.2	18
931	Characterization of nAChRs in Nematostella vectensis Supports Neuronal and Non-Neuronal Roles in the Cnidarian–Bilaterian Common Ancestor. EvoDevo, 2019, 10, 1-18.	2.9	26
932	Chromatin Dynamics Enable Transcriptional Rhythms in the Cnidarian Nematostella vectensis. PLoS Genetics, 2019, 15, e1008397.	3.9	13
933	Cnidofest 2018: The Future Is Bright for Cnidarian Research. EvoDevo, 2019, 10, 1-11.	2.9	11
934	A Combined Strategy of Neuropeptide Prediction and Tandem Mass Spectrometry Identifies Evolutionarily Conserved Ancient Neuropeptides in the Sea Anemone Nematostella vectensis. PLoS ONE, 2019, 14, e0215185.	3.2	31
935	Genomic Analysis of the Tryptome Reveals Molecular Mechanisms of Gland Cell Evolution. EvoDevo, 2019, 10, 1-18.	2.9	20
936	A Cadherin Switch Marks Germ Layer Formation in the Diploblastic Sea Anemone Nematostella vectensis. Development (Cambridge), 2019, .	3.7	25

#	Article	IF	Citations
937	A Genomic View of the Reef-Building Coral Porites lutea and Its Microbial Symbionts. Nature Microbiology, 2019, 4, 2090-2100.	18.2	225
938	Modern Genomic Tools Reveal the Structural and Cellular Diversity of Cnidarian Nervous Systems. Current Opinion in Neurobiology, 2019, 56, 87-96.	6.2	33
939	Electroporation of Short Hairpin RNAs for Rapid and Efficient Gene Knockdown in the Starlet Sea Anemone, Nematostella vectensis. Developmental Biology, 2019, 448, 7-15.	2.1	53
940	Sea Anemone Toxins: A Structural Overview. Marine Drugs, 2019, 17, 325.	6.1	90
941	The Evolutionary Road to Invertebrate Thyroid Hormone Signaling: Perspectives for Endocrine Disruption Processes. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 223, 124-138.	4.2	14
942	Structure, Function and Disease Relevance of Wnt Inhibitory Factor 1, a Secreted Protein Controlling the Wnt and Hedgehog Pathways. Growth Factors, 2019, 37, 29-52.	1.8	19
943	A SLC6 Transporter Cloned From the Lion's Mane Jellyfish (Cnidaria, Scyphozoa) Is Expressed in Neurons. PLoS ONE, 2019, 14, e0218806.	3.2	1
944	The Birth and Death of Toxins With Distinct Functions: A Case Study in the Sea Anemone Nematostella. Molecular Biology and Evolution, 2019, 36, 2001-2012.	6.2	60
945	Genotyping of Sea Anemone During Early Development. Journal of Visualized Experiments, 2019, .	0.7	3
946	Ocean Acidification at a Coastal CO2 Vent Induces Expression of Stress-Related Transcripts and Transposable Elements in the Sea Anemone Anemonia viridis. PLoS ONE, 2019, 14, e0210358.	3.2	16
947	Evolutionary “Experiments” in Symbiosis: The Study of Model Animals Provides Insights Into the Mechanisms Underlying the Diversity of Host–Microbe Interactions. BioEssays, 2019, 41, 1800256.	3.2	41
948	Medusozoan Genomes Inform the Evolution of the Jellyfish Body Plan. Nature Ecology and Evolution, 2019, 3, 811-822.	16.0	113
949	What Makes a Jellyfish. Nature Ecology and Evolution, 2019, 3, 724-725.	16.0	3
950	The Significance of Comparative Genomics in Modern Evolutionary Venomics. Frontiers in Ecology and Evolution, 2019, 7, 455296.	3.1	34
951	A Novel Phospholipase A2 Isolated From Palythoa caribaeorum Possesses Neurotoxic Activity. Toxins, 2019, 11, 89.	4.2	8
952	The Draft Genome of an Octocoral, Dendronephthya gigantea. Genome Biology and Evolution, 2019, 11, 949-953.	3.2	38
953	Hydra vulgaris Exhibits Day-Night Variation in Behavior and Gene Expression Levels. Zoological Letters, 2019, 5, 1-12.	2.7	21
954	The Genome of the Jellyfish Clytia Hemisphaerica and the Evolution of the Cnidarian Life-Cycle. Nature Ecology and Evolution, 2019, 3, 801-810.	16.0	140

#	Article	IF	Citations
955	Origin and Evolution of Plexins, Semaphorins, and Met Receptor Tyrosine Kinases. Scientific Reports, 2019, 9, 1-14.	5.2	55
956	A Hybrid De Novo Assembly of the Sea Pansy (Renilla muelleri) Genome. GigaScience, 2019, .	5.6	27
957	Immunocytochemical Localization of a Putative Strychnine-Sensitive Glycine Receptor in Hydra vulgaris. Cell and Tissue Research, 2019, 377, 177-191.	3.5	0
958	The Genome of the Giant Nomura's Jellyfish Sheds Light on the Early Evolution of Active Predation. BMC Biology, 2019, 17, 1-12.	5.2	51
959	"Dorsal–Ventral" Genes Are Part of an Ancient Axial Patterning System: Evidence From Trichoplax adhaerens (Placozoa). Molecular Biology and Evolution, 2019, 36, 966-973.	6.2	39
960	Exon Skipping-Rich Transcriptomes of Animals Reflect the Significance of Exon-Shuffling in Metazoan Proteome Evolution. Biology Direct, 2019, 14, 1-4.	5.3	14
961	Expansion of a Single Transposable Element Family Is Associated With Genome-Size Increase and Radiation in the Genus Hydra. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22915-22917.	9.0	47
962	Recapitulation-Like Developmental Transitions of Chromatin Accessibility in Vertebrates. Zoological Letters, 2019, 5, 1-15.	2.7	27
963	Convergent Evolution of a Vertebrate-Like Methylome in a Marine Sponge. Nature Ecology and Evolution, 2019, 3, 1464-1473.	16.0	57
964	Comparative Genomics of the Major Parasitic Worms. Nature Genetics, 2019, 51, 163-174.	25.5	435
965	Structural and Sequence Diversity of Eukaryotic Transposable Elements. Genes and Genetic Systems, 2019, 94, 233-252.	1.2	115
966	Unicellular Ancestry and Mechanisms of Diversification of Goodpasture Antigen–Binding Protein. Journal of Biological Chemistry, 2019, 294, 759-769.	4.2	5
967	The Genome of the Jellyfish Aurelia and the Evolution of Animal Complexity. Nature Ecology and Evolution, 2019, 3, 96-104.	16.0	100
968	The Transcriptomic Expression of Pattern Recognition Receptors: Insight Into Molecular Recognition of Various Invading Pathogens in Oyster Crassostrea Gigas. Developmental and Comparative Immunology, 2019, 91, 1-7.	2.5	60
969	Evolutionary Distribution of Deoxynucleoside 5-Monophosphate N-Glycosidase, DNPH1. Gene, 2019, 683, 1-11.	2.9	2
970	Diversity and Evolution of Sensor Histidine Kinases in Eukaryotes. Genome Biology and Evolution, 2019, 11, 86-108.	3.2	40
971	A Non-Disruptive Method for Obtaining DNA Samples From Sea Anemones (Cnidaria: Anthozoa: Actiniaria). Conservation Genetics Resources, 2019, 11, 19-21.	0.9	0
972	Experimental Duplication of Bilaterian Body Axes in Spider Embryos: Holm's Organizer and Self-Regulation of Embryonic Fields. Development Genes and Evolution, 2020, 230, 49-63.	1.6	17

#	Article	IF	Citations
973	Comparative Transcriptomics Supports the Presence of G Protein-Coupled Receptor-Based Signaling in Unicellular Marine Eukaryotes. Limnology and Oceanography, 2020, 65, 762-774.	4.0	17
974	Preliminary Investigation Demonstrating the GHITM Gene Probably Involved in Apoptosis and Growth of the Golden Apple Snail (Pomacea canaliculata). BMC Genomics, 2020, 21, 1-12.	3.9	11
975	Meeting Report on "at the Roots of Bilaterian Complexity: Insights From Early Emerging Metazoans," Tutzing (Germany) September 16–19, 2019. BioEssays, 2020, 42, 1900236.	3.2	4
976	Embryo Bioassays With Aquatic Animals for Toxicity Testing and Hazard Assessment of Emerging Pollutants: A Review. Science of the Total Environment, 2020, 705, 135740.	8.5	51
977	Conserved Patterns in Developmental Processes and Phases, Rather Than Genes, Unite the Highly Divergent Bilateria. Life, 2020, 10, 182.	4.3	3
978	A Review of Toxins From Cnidaria. Marine Drugs, 2020, 18, 507.	6.1	87
979	Toxin-Like Neuropeptides in the Sea Anemone Nematostella Unravel Recruitment From the Nervous System to Venom. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27481-27492.	9.0	50
980	NvPOU4/Brain3 Functions as a Terminal Selector Gene in the Nervous System of the Cnidarian Nematostella vectensis. Cell Reports, 2020, 30, 4473-4489.e5.	7.7	57
981	A Reference Genome From the Symbiotic Hydrozoan, Hydra viridissima. G3: Genes, Genomes, Genetics, 2020, 10, 3883-3895.	2.6	21
982	A Screen for Gene Paralogies Delineating Evolutionary Branching Order of Early Metazoa. G3: Genes, Genomes, Genetics, 2020, 10, 811-826.	2.6	30
983	The Ins and Outs of Host-Microsporidia Interactions During Invasion, Proliferation and Exit. Cellular Microbiology, 2020, 22, e13247.	2.3	65
984	A Comparative Genomics Study of Neuropeptide Genes in the Cnidarian Subclasses Hexacorallia and Ceriantharia. BMC Genomics, 2020, 21, 1-21.	3.9	27
985	Rho Family of Ras-Like GTPases in Early-Branching Animals. Cells, 2020, 9, 2279.	6.4	21
986	Cnidocyte Supporting Cell Complexes Regulate Nematocyst-Mediated Feeding Behaviors in the Sea Anemone Diadumene lineata. Biological Bulletin, 2020, 239, 132-142.	1.0	6
987	Cnidarian Immunity and the Repertoire of Defense Mechanisms in Anthozoans. Biology, 2020, 9, 283.	4.6	58
988	Cytoskeletal and Synaptic Polarity of LWamide-Like+ Ganglion Neurons in the Sea Anemone Nematostella vectensis. Journal of Experimental Biology, 2020, .	2.6	11
989	TATA Binding Protein (TBP) Promoter Drives Ubiquitous Expression of Marker Transgene in the Adult Sea Anemone Nematostella vectensis. Genes, 2020, 11, 1081.	3.4	13
990	The Diversity of Muscles and Their Regenerative Potential Across Animals. Cells, 2020, 9, 1925.	6.4	17

#	Article	IF	Citations
991	Structure-Function Relationship of TRPM2: Recent Advances, Contradictions, and Open Questions. International Journal of Molecular Sciences, 2020, 21, 6481.	5.9	10
992	Phylogenetic Analyses of Glycosyl Hydrolase Family 6 Genes in Tunicates: Possible Horizontal Transfer. Genes, 2020, 11, 937.	3.4	4
993	Defining Coral Bleaching as a Microbial Dysbiosis Within the Coral Holobiont. Microorganisms, 2020, 8, 1682.	5.1	100
994	Looking Down on NF-κB. Molecular and Cellular Biology, 2020, .	2.7	124
995	Decoupling Behavioral and Transcriptional Responses to Color in an Eyeless Cnidarian. BMC Genomics, 2020, 21, 1-15.	3.9	14
996	High-Quality Genome Assembly of Chrysaora quinquecirrha Provides Insights Into the Adaptive Evolution of Jellyfish. Frontiers in Genetics, 2020, 11, 526122.	3.2	15
997	Sea as a Color Palette: The Ecology and Evolution of Fluorescence. Zoological Letters, 2020, 6, 1-11.	2.7	42
998	Evolutionary Aspects of TRPMLs and TPCs. International Journal of Molecular Sciences, 2020, 21, 4181.	5.9	31
999	Jellyfish Genomes Reveal Distinct Homeobox Gene Clusters and Conservation of Small RNA Processing. Nature Communications, 2020, 11, 1-11.	18.1	63
1000	Evolution of Glial Wrapping: A New Hypothesis. Developmental Neurobiology, 2021, 81, 453-463.	2.1	20

Showing the first 1000 of 1405 citing articles.