Eldon E Ball

List of Publications by Year
in descending order

91 papers	7,381 citations	71102 41 h-index	56724 83 g-index
93 all docs	93 docs citations	93 times ranked	6544 citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of DNA Methylation in Genome Defense in Cnidaria and Other Invertebrates. Molecular Biology and Evolution, 2022, 39, .	8.9	10
2	Dual RNAâ€sequencing analyses of a coral and its native symbiont during the establishment of symbiosis. Molecular Ecology, 2020, 29, 3921-3937.	3.9	26
3	Comparative transcriptomic analyses of Chromera and Symbiodiniaceae. Environmental Microbiology Reports, 2020, 12, 435-443.	2.4	4
4	The Whole-Genome Sequence of the Coral Acropora millepora. Genome Biology and Evolution, 2019, 11, 1374-1379.	2.5	64
5	Expression of the neuropeptides RFamide and LWamide during development of the coral Acropora millepora in relation to settlement and metamorphosis. Developmental Biology, 2019, 446, 56-67.	2.0	19
6	Deciphering the nature of the coralâ€"<i>Chromera</i> association. ISME Journal, 2018, 12, 776-790.	9.8	56
7	Comparative genomics reveals the distinct evolutionary trajectories of the robust and complex coral lineages. Genome Biology, 2018, 19, 175.	8.8	57
8	Analyses of Corallimorpharian Transcriptomes Provide New Perspectives on the Evolution of Calcification in the Scleractinia (Corals). Genome Biology and Evolution, 2017, 9, 150-160.	2.5	16
9	The transcriptomic response of the coral <i>Acropora digitifera</i> to a competent <i>Symbiodinium</i> strain: the symbiosome as an arrested early phagosome. Molecular Ecology, 2016, 25, 3127-3141.	3.9	88
10	Functional conservation of the apoptotic machinery from coral to man: the diverse and complex Bcl-2 and caspase repertoires of Acropora millepora. BMC Genomics, 2016, 17, 62.	2.8	45
11	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, 48.	3.2	15
12	Transcriptomic differences between day and night in <i>Acropora millepora</i> provide new insights into metabolite exchange and lightâ€enhanced calcification in corals. Molecular Ecology, 2015, 24, 4489-4504.	3.9	51
13	The organizer in evolutionâ€"gastrulation and organizer gene expression highlight the importance of Brachyury during development of the coral, Acropora millepora. Developmental Biology, 2015, 399, 337-347.	2.0	28
14	Rapid acclimation of juvenile corals to CO₂â€mediated acidification by upregulation of heat shock protein and Bclâ€2 genes. Molecular Ecology, 2015, 24, 438-452.	3.9	101
15	The acute transcriptional response of the coral Acropora millepora to immune challenge: expression of GiMAP/IAN genes links the innate immune responses of corals with those of mammals and plants. BMC Genomics, 2013, 14, 400.	2.8	44
16	Comparative Embryology of Eleven Species of Stony Corals (Scleractinia). PLoS ONE, 2013, 8, e84115.	2.5	34
17	A "Neural" Enzyme in Nonbilaterian Animals and Algae: Preneural Origins for Peptidylglycine Â-Amidating Monooxygenase. Molecular Biology and Evolution, 2012, 29, 3095-3109.	8.9	32
18	Whole Transcriptome Analysis of the Coral <i>Acropora millepora</i> Reveals Complex Responses to CO₂â€driven Acidification during the Initiation of Calcification. Molecular Ecology, 2012, 21, 2440-2454.	3.9	289

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19	The biology of coral metamorphosis: Molecular responses of larvae to inducers of settlement and metamorphosis. Developmental Biology, 2011, 353, 411-419.	2.0	76
20	Differential Gene Expression at Coral Settlement and Metamorphosis - A Subtractive Hybridization Study. PLoS ONE, 2011, 6, e26411.	2.5	47
21	Coral genomics and transcriptomics â€" Ushering in a new era in coral biology. Journal of Experimental Marine Biology and Ecology, 2011, 408, 114-119.	1.5	22
22	Phylogenomics Reveals an Anomalous Distribution of USP Genes in Metazoans. Molecular Biology and Evolution, 2011, 28, 153-161.	8.9	19
23	Patterns of Gene Expression in a Scleractinian Coral Undergoing Natural Bleaching. Marine Biotechnology, 2010, 12, 594-604.	2.4	87
24	New tricks with old genes: the genetic bases of novel cnidarian traits. Trends in Genetics, 2010, 26, 154-158.	6.7	50
25	Putting placozoans on the (phylogeographic) map. Molecular Ecology, 2010, 19, 2181-2183.	3.9	5
26	Cnidarian Gene Expression Patterns and the Origins of Bilateralityâ€"Are Cnidarians Reading the Same Game Plan as â€œHigherâ€• Animals?. , 2010, , 197-216.		1
27	Differential expression of three galaxin-related genes during settlement and metamorphosis in the scleractinian coral Acropora millepora. BMC Evolutionary Biology, 2009, 9, 178.	3.2	58
28	The gene complement of the ancestral bilaterian - was Urbilateria a monster?. Journal of Biology, 2009, 8, 89.	2.7	17
29	Unexpected diversity of cnidarian integrins: expression during coral gastrulation. BMC Evolutionary Biology, 2008, 8, 136.	3.2	36
30	Sox genes in the coral Acropora millepora: divergent expression patterns reflect differences in developmental mechanisms within the Anthozoa. BMC Evolutionary Biology, 2008, 8, 311.	3.2	44
31	Microarray analysis identifies candidate genes for key roles in coral development. BMC Genomics, 2008, 9, 540.	2.8	119
32	Animal Evolution: Trichoplax, Trees, and Taxonomic Turmoil. Current Biology, 2008, 18, R1003-R1005.	3.9	22
33	Cryptic complexity captured: the Nematostella genome reveals its secrets. Trends in Genetics, 2008, 24, 1-4.	6.7	32
34	Implications of cnidarian gene expression patterns for the origins of bilaterality is the glass half full or half empty?. Integrative and Comparative Biology, 2007, 47, 701-711.	2.0	18
35	Sequence and expression of four coral G protein-coupled receptors distinct from all classifiable members of the rhodopsin family. Gene, 2007, 392, 14-21.	2.2	24
36	The innate immune repertoire in Cnidaria - ancestral complexity and stochastic gene loss. Genome Biology, 2007, 8, R59.	9.6	322

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37	Genomic and microarray approaches to coral reef conservation biology. Coral Reefs, 2007, 26, 475-486.	2.2	41
38	Components of both major axial patterning systems of the Bilateria are differentially expressed along the primary axis of a â€˜radiateâ€™ animal, the anthozoan cnidarian Acropora millepora. Developmental Biology, 2006, 298, 632-643.	2.0	62
39	Phylogeny: The Continuing Classificatory Conundrum of Chaetognaths. Current Biology, 2006, 16, R593-R596.	3.9	12
40	Animal Evolution: The Enigmatic Phylum Placozoa Revisited. Current Biology, 2005, 15, R26-R28.	3.9	36
41	Cnidarians and ancestral genetic complexity in the animal kingdom. Trends in Genetics, 2005, 21, 536-539.	6.7	116
42	Maintenance of ancestral complexity and non-metazoan genes in two basal cnidarians. Trends in Genetics, 2005, 21, 633-639.	6.7	315
43	The structure of the USP/RXR of Xenos pecki indicates that Strepsiptera are not closely related to Diptera. Development Genes and Evolution, 2005, 215, 213-219.	0.9	17
44	Tandem organization of independently duplicated homeobox genes in the basal cnidarian Acropora millepora. Development Genes and Evolution, 2005, 215, 268-273.	0.9	11
45	A simple plan â€" cnidarians and the origins of developmental mechanisms. Nature Reviews Genetics, 2004, 5, 567-577.	16.3	108
46	snail expression during embryonic development of the coral Acropora : blurring the diploblast/triploblast divide?. Development Genes and Evolution, 2004, 214, 257-260.	0.9	39
47	Ligand specificity and developmental expression of RXR and ecdysone receptor in the migratory locust. Journal of Insect Physiology, 2003, 49, 1135-1144.	2.0	48
48	A DM domain protein from a coral, <i>Acropora millepora</i>, homologous to proteins important for sex determination. Evolution & Development, 2003, 5, 251-258.	2.0	65
49	Localized expression of a dpp/BMP2/4 ortholog in a coral embryo. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8106-8111.	7.1	126
50	Coral development: from classical embryology to molecular control. International Journal of Developmental Biology, 2002, 46, 671-8.	0.6	54
51	Gene structure and larval expression of cnox-2Am from the coral Acropora millepora. Development Genes and Evolution, 2001, 211, 10-19.	0.9	66
52	The Evolution of Nuclear Receptors: Evidence from the Coral Acropora. Molecular Phylogenetics and Evolution, 2001, 21, 93-102.	2.7	49
53	Grasshopper<i>hunchback</i>expression reveals conserved and novel aspects of axis formation and segmentation. Development (Cambridge), 2001, 128, 3459-3472.	2.5	73
54	The coral Acropora: What it can contribute to our knowledge of metazoan evolution and the evolution of developmental processes. BioEssays, 2000, 22, 291-296.	2.5	39

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55	The flightless I protein localizes to actinâ€based structures during embryonic development. Immunology and Cell Biology, 2000, 78, 423-429.	2.3	41
56	Conservation of the sequence and temporal expression of let-7 heterochronic regulatory RNA. Nature, 2000, 408, 86-89.	27.8	2,167
57	Pax gene diversity in the basal cnidarian Acropora millepora (Cnidaria, Anthozoa): Implications for the evolution of the Pax gene family. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4475-4480.	7.1	102
58	Molecular cloning and expression analysis of a cDNA encoding a glutamate transporter in the honeybee brain. Gene, 2000, 242, 399-405.	2.2	57
59	The sequence of Locusta RXR, homologous to Drosophila Ultraspiracle, and its evolutionary implications. Development Genes and Evolution, 1999, 209, 564-571.	0.9	63
60	Developing grasshopper neurons show variable levels of guanylyl cyclase activity on arrival at their targets. , 1998, 394, 1-13.		54
61	Pax-6 origins - implications from the structure of two coral Pax genes. Development Genes and Evolution, 1998, 208, 352-356.	0.9	35
62	Patterns of embryonic neurogenesis in a primitive wingless insect, the silverfish, Ctenolepisma longicaudata : comparison with those seen in flying insects. Development Genes and Evolution, 1998, 208, 357-368.	0.9	57
63	A Royal Jelly Protein Is Expressed in a Subset of Kenyon Cells in the Mushroom Bodies of the Honey Bee Brain. Die Naturwissenschaften, 1998, 85, 343-346.	1.6	93
64	Molecular evolution of integrins: Genes encoding integrin Â subunits from a coral and a sponge. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 9182-9187.	7.1	163
65	Sequence and Expression of Grasshopper Antennapedia: Comparison toDrosophila. Developmental Biology, 1995, 172, 452-465.	2.0	25
66	Position-specific expression of the annulin protein during grasshopper embryogenesis. Developmental Biology, 1992, 154, 129-142.	2.0	34
67	Changing role of even-skipped during the evolution of insect pattern formation. Nature, 1992, 357, 339-342.	27.8	266
68	Cloning of a grasshopper cDNA coding for a protein homologous to the A1, A2/B1 proteins of mammalian hnRNP. Nucleic Acids Research, 1991, 19, 397-397.	14.5	10
69	Embryonic development of the innervation of the locust extensor tibiae muscle by identified neurons: Formation and elimination of inappropriate axon branches. Developmental Biology, 1990, 137, 194-206.	2.0	26
70	The wind-sensitive cercal receptor/giant interneurone system of the locust,Locusta migratoria. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1989, 165, 495-510.	1.6	26
71	Parallel inputs shape the response of a giant interneurone in the cercal system of the locust. Journal of Insect Physiology, 1989, 35, 305-312.	2.0	8
72	Initiation and modulation of flight by a single giant interneuron in the cercal system of the locust. Die Naturwissenschaften, 1986, 73, 272-274.	1.6	38

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73	Wind-sensitive interneurones in the terminal ganglion of praying mantids. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1986, 159, 773-789.	1.6	26
74	Muscle development in the grasshopper embryo. Developmental Biology, 1985, 111, 383-398.	2.0	143
75	Muscle development in the grasshopper embryo. Developmental Biology, 1985, 111, 399-416.	2.0	35
76	Muscle development in the grasshopper embryo. Developmental Biology, 1985, 111, 417-424.	2.0	93
77	Muscle pioneers: large mesodermal cells that erect a scaffold for developing muscles and motoneurones in grasshopper embryos. Nature, 1983, 301, 66-69.	27.8	135
78	The cercal receptor system of the praying mantid, Archimantis brunneriana Sauss.. Cell and Tissue Research, 1982, 224, 55-70.	2.9	13
79	The cercal receptor system of the praying mantid, Archimantis brunneriana Sauss.. Cell and Tissue Research, 1982, 224, 71-80.	2.9	11
80	Structure of the auditory system of the weta Hemideina crassidens (Blanchard, 1851) (Orthoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.9	44
81	Structure of the auditory system of the weta Hemideina crassidens (Blanchard, 1851) (Orthoptera,) Tj ETQq1 1 0.784314 rgBT /Overloc	2.9	14
82	Physiological and biophysical properties of the auditory system of the New Zealand wetaHemideina crassidens (Blanchard, 1851) (Ensifera: Stenopelmatidae). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1980, 141, 31-37.	1.6	31
83	Development of the auditory tympana in the cricketTeleogryllus commodus (Walker): Experiments on regeneration and transplantation. Experientia, 1979, 35, 324-325.	1.2	16
84	Functional development of the auditory system of the cricket,Teleogryllus commodus. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1978, 127, 131-138.	1.6	44
85	Fine structure of the compound eyes of the midwater amphipod Phronima in relation to behavior and habitat. Tissue and Cell, 1977, 9, 521-536.	2.2	56
86	Structure and development of the auditory system in the prothoracic leg of the cricket Teleogryllus commodus (walker). Cell and Tissue Research, 1974, 147, 293-312.	2.9	79
87	Structure and development of the auditory system in the prothoracic leg of the cricket Teleogryllus commodus (walker). Cell and Tissue Research, 1974, 147, 313-324.	2.9	53
88	Structure and development of the tracheal organ in the mesothoracic leg of the cricket Teleogryllus commodus (Walker). Cell and Tissue Research, 1974, 147, 325-334.	2.9	19
89	ELECTRICAL ACTIVITY AND BEHAVIOR IN THE SOLITARY HYDROIDCORYMORPHA PALMA.I. SPONTANEOUS ACTIVITY IN WHOLE ANIMALS AND IN ISOLATED PARTS. Biological Bulletin, 1973, 145, 223-242.	1.8	10
90	ELECTRICAL ACTIVITY AND BEHAVIOR IN THE SOLITARY HYDROIDCORYMORPHA PALMA.II. CONDUCTING SYSTEMS. Biological Bulletin, 1973, 145, 243-264.	1.8	17

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91	Activity Patterns and Retinal Pigment Migration in Pagurus (Decapoda, Paguridea). Crustaceana, 1968, 14, 302-306.	0.3	14