

# R Andrew Cameron

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53  
papers

5,570  
citations

31  
h-index

55  
g-index

55  
ext. papers

6,221  
ext. citations

6.8  
avg, IF

4.89  
L-index

#	Paper	IF	Citations
53	A genomic regulatory network for development. <i>Science</i> , <b>2002</b> , 295, 1669-78	33.3	1180
52	The genome of the sea urchin <i>Strongylocentrotus purpuratus</i> . <i>Science</i> , <b>2006</b> , 314, 941-52	33.3	886
51	The immune gene repertoire encoded in the purple sea urchin genome. <i>Developmental Biology</i> , <b>2006</b> , 300, 349-65	3.1	442
50	A provisional regulatory gene network for specification of endomesoderm in the sea urchin embryo. <i>Developmental Biology</i> , <b>2002</b> , 246, 162-90	3.1	279
49	Developmental gene regulatory network architecture across 500 million years of echinoderm evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 13356-61	11.5	204
48	SpBase: the sea urchin genome database and web site. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, D750-4	20.1	161
47	Majority of divergence between closely related DNA samples is due to indels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 4661-5	11.5	156
46	An ancient evolutionary origin of the Rag1/2 gene locus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 3728-33	11.5	140
45	Set-aside cells in maximal indirect development: evolutionary and developmental significance. <i>BioEssays</i> , <b>1997</b> , 19, 623-31	4.1	133
44	Gene families encoding transcription factors expressed in early development of <i>Strongylocentrotus purpuratus</i> . <i>Developmental Biology</i> , <b>2006</b> , 300, 90-107	3.1	114
43	Gene structure in the sea urchin <i>Strongylocentrotus purpuratus</i> based on transcriptome analysis. <i>Genome Research</i> , <b>2012</b> , 22, 2079-87	9.7	113
42	Unusual gene order and organization of the sea urchin hox cluster. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2006</b> , 306, 45-58	1.8	112
41	Initiation of metamorphosis in laboratory cultured sea urchins. <i>Biological Bulletin</i> , <b>1974</b> , 146, 335-42	1.5	112
40	Bilaterian origins: significance of new experimental observations. <i>Developmental Biology</i> , <b>2000</b> , 219, 1-17	3.1	109
39	Identification and characterization of homeobox transcription factor genes in <i>Strongylocentrotus purpuratus</i> , and their expression in embryonic development. <i>Developmental Biology</i> , <b>2006</b> , 300, 74-89	3.1	108
38	Expression of the Hox gene complex in the indirect development of a sea urchin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 13062-7	11.5	103
37	New computational approaches for analysis of cis-regulatory networks. <i>Developmental Biology</i> , <b>2002</b> , 246, 86-102	3.1	95

36	microRNA complements in deuterostomes: origin and evolution of microRNAs. <i>Evolution &amp; Development</i> , <b>2011</b> , 13, 15-27	2.6	93
35	A large-scale analysis of mRNAs expressed by primary mesenchyme cells of the sea urchin embryo. <i>Development (Cambridge)</i> , <b>2001</b> , 128, 2615-2627	6.6	91
34	Quantitative developmental transcriptomes of the sea urchin <i>Strongylocentrotus purpuratus</i> . <i>Developmental Biology</i> , <b>2014</b> , 385, 160-7	3.1	89
33	Paleogenomics of echinoderms. <i>Science</i> , <b>2006</b> , 314, 956-60	33.3	88
32	The transcriptome of the sea urchin embryo. <i>Science</i> , <b>2006</b> , 314, 960-2	33.3	77
31	brachyury Target genes in the early sea urchin embryo isolated by differential macroarray screening. <i>Developmental Biology</i> , <b>2002</b> , 246, 191-208	3.1	70
30	The larval stages of the sea urchin, <i>Strongylocentrotus purpuratus</i> . <i>Journal of Morphology</i> , <b>2008</b> , 269, 713-33	1.6	62
29	Genetic organization and embryonic expression of the ParaHox genes in the sea urchin <i>S. purpuratus</i> : insights into the relationship between clustering and colinearity. <i>Developmental Biology</i> , <b>2006</b> , 300, 63-73	3.1	53
28	High regulatory gene use in sea urchin embryogenesis: Implications for bilaterian development and evolution. <i>Developmental Biology</i> , <b>2006</b> , 300, 27-34	3.1	47
27	Early events in sea urchin metamorphosis, description and analysis. <i>Journal of Morphology</i> , <b>1978</b> , 157, 21-31	1.6	42
26	Echinobase: an expanding resource for echinoderm genomic information. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2017</b> , 2017,	5	38
25	An evolutionary constraint: strongly disfavored class of change in DNA sequence during divergence of cis-regulatory modules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 11769-74	11.5	34
24	Hindgut specification and cell-adhesion functions of Sphox11/13b in the endoderm of the sea urchin embryo. <i>Development Growth and Differentiation</i> , <b>2006</b> , 48, 463-72	3	31
23	Paircomp, FamilyRelationsII and Cartwheel: tools for interspecific sequence comparison. <i>BMC Bioinformatics</i> , <b>2005</b> , 6, 70	3.6	31
22	DNA Extraction Protocols for Whole-Genome Sequencing in Marine Organisms. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1452, 13-44	1.4	29
21	The Control of Sea Urchin Metamorphosis: Ionic Effects. <i>Development Growth and Differentiation</i> , <b>1989</b> , 31, 589-594	3	27
20	The <i>S. purpuratus</i> genome: a comparative perspective. <i>Developmental Biology</i> , <b>2006</b> , 300, 485-95	3.1	24
19	cis-Regulatory activity of randomly chosen genomic fragments from the sea urchin. <i>Gene Expression Patterns</i> , <b>2004</b> , 4, 205-13	1.5	24

18	Expression of two actin genes during larval development in the sea urchin <i>Strongylocentrotus purpuratus</i> . <i>Molecular Reproduction and Development</i> , <b>1989</b> , 1, 149-55	2.6	24
17	EchinoBase: Tools for Echinoderm Genome Analyses. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1757, 349-369	1.4	21
16	Do echinoderm genomes measure up?. <i>Marine Genomics</i> , <b>2015</b> , 22, 1-9	1.9	19
15	Flexibility of transcription factor target site position in conserved cis-regulatory modules. <i>Developmental Biology</i> , <b>2009</b> , 336, 122-35	3.1	19
14	Electrical activity at metamorphosis in larvae of the sea urchin <i>Lytechinus pictus</i> (Echinoidea: Echinodermata). <i>The Journal of Experimental Zoology</i> , <b>1985</b> , 235, 197-204		16
13	Cell type specification during sea urchin development. <i>Trends in Genetics</i> , <b>1991</b> , 7, 212-8	8.5	14
12	Genomic resources for the study of sea urchin development. <i>Methods in Cell Biology</i> , <b>2004</b> , 74, 733-57	1.8	10
11	The sea urchin genome as a window on function. <i>Biological Bulletin</i> , <b>2008</b> , 214, 266-73	1.5	9
10	Development of sibling inbred sea urchins: normal embryogenesis, but frequent postembryonic malformation, arrest and lethality. <i>Mechanisms of Development</i> , <b>1994</b> , 45, 255-68	1.7	9
9	Bacterial artificial chromosomes as recombinant reporter constructs to investigate gene expression and regulation in echinoderms. <i>Briefings in Functional Genomics</i> , <b>2018</b> , 17, 362-371	4.9	8
8	A basal deuterostome genome viewed as a natural experiment. <i>Gene</i> , <b>2007</b> , 406, 1-7	3.8	6
7	Echinobase: leveraging an extant model organism database to build a knowledgebase supporting research on the genomics and biology of echinoderms. <i>Nucleic Acids Research</i> , <b>2021</b> ,	20.1	5
6	Genomic insights of body plan transitions from bilateral to pentameral symmetry in Echinoderms. <i>Communications Biology</i> , <b>2020</b> , 3, 371	6.7	5
5	Tools for sea urchin genomic analysis. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1128, 295-310	1.4	3
4	Genomic resources for the study of echinoderm development and evolution. <i>Methods in Cell Biology</i> , <b>2019</b> , 151, 65-88	1.8	3
3	Developmental effector gene regulation: Multiplexed strategies for functional analysis. <i>Developmental Biology</i> , <b>2019</b> , 445, 68-79	3.1	1
2	Comparing the Human and Sea Urchin Genomes		1
1	A personal history of the echinoderm genome sequencing. <i>Methods in Cell Biology</i> , <b>2019</b> , 151, 55-61	1.8	

