

Clare V H Baker

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,131
citations

257450

24
h-index

315739

38
g-index

39
all docs

39
docs citations

39
times ranked

2742
citing authors

#	ARTICLE	IF	CITATIONS
1	The origin and evolution of cell types. <i>Nature Reviews Genetics</i> , 2016, 17, 744-757.	16.3	572
2	Neural crest origin of olfactory ensheathing glia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21040-21045.	7.1	197
3	Wnt5a Is Required for Cardiac Outflow Tract Septation in Mice. <i>Pediatric Research</i> , 2007, 61, 386-391.	2.3	108
4	A molecular analysis of neurogenic placode and cranial sensory ganglion development in the shark, <i>Scyliorhinus canicula</i> . <i>Developmental Biology</i> , 2007, 304, 156-181.	2.0	101
5	Fine-grained fate maps for the ophthalmic and maxillomandibular trigeminal placodes in the chick embryo. <i>Developmental Biology</i> , 2008, 317, 174-186.	2.0	73
6	Olfactory ensheathing glia are required for embryonic olfactory axon targeting and the migration of gonadotropin-releasing hormone neurons. <i>Biology Open</i> , 2013, 2, 750-759.	1.2	66
7	Electrosensory ampullary organs are derived from lateral line placodes in bony fishes. <i>Nature Communications</i> , 2011, 2, 496.	12.8	64
8	Electrosensory ampullary organs are derived from lateral line placodes in cartilaginous fishes. <i>Development (Cambridge)</i> , 2012, 139, 3142-3146.	2.5	63
9	The evolution and development of vertebrate lateral line electroreceptors. <i>Journal of Experimental Biology</i> , 2013, 216, 2515-2522.	1.7	57
10	Specification of GnRH-1 neurons by antagonistic FGF and retinoic acid signaling. <i>Developmental Biology</i> , 2012, 362, 254-262.	2.0	56
11	The development of lateral line placodes: Taking a broader view. <i>Developmental Biology</i> , 2014, 389, 68-81.	2.0	55
12	Canonical Wnt signaling is required for ophthalmic trigeminal placode cell fate determination and maintenance. <i>Developmental Biology</i> , 2007, 308, 392-406.	2.0	54
13	Evolution of the hypoxia-sensitive cells involved in amniote respiratory reflexes. <i>ELife</i> , 2017, 6, .	6.0	54
14	The amniote paratympanic organ develops from a previously undiscovered sensory placode. <i>Nature Communications</i> , 2012, 3, 1041.	12.8	52
15	Pax3-Expressing Trigeminal Placode Cells Can Localize to Trunk Neural Crest Sites but Are Committed to a Cutaneous Sensory Neuron Fate. <i>Developmental Biology</i> , 2002, 249, 219-236.	2.0	44
16	Lateral line, otic and epibranchial placodes: developmental and evolutionary links?. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2008, 310B, 370-383.	1.3	42
17	Activation of Pax3 target genes is necessary but not sufficient for neurogenesis in the ophthalmic trigeminal placode. <i>Developmental Biology</i> , 2009, 326, 314-326.	2.0	38
18	Insights into electrosensory organ development, physiology and evolution from a lateral line-enriched transcriptome. <i>ELife</i> , 2017, 6, .	6.0	38

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19	The evolution and elaboration of vertebrate neural crest cells. <i>Current Opinion in Genetics and Development</i> , 2008, 18, 536-543.	3.3	37
20	The evolution of the vertebrate cerebellum: absence of a proliferative external granule layer in a non-teleost ray-finned fish. <i>Evolution & Development</i> , 2014, 16, 92-100.	2.0	36
21	Holocephalan embryos provide evidence for gill arch appendage reduction and opercular evolution in cartilaginous fishes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1507-1512.	7.1	34
22	Editorial: the evolutionary origin of neural crest and placodes. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2005, 304B, 269-273.	1.3	33
23	Cardiac neural crest ablation alters <i>Id2</i> gene expression in the developing heart. <i>Developmental Biology</i> , 2004, 272, 176-190.	2.0	29
24	A fate-map for cranial sensory ganglia in the sea lamprey. <i>Developmental Biology</i> , 2014, 385, 405-416.	2.0	27
25	Identification and Characterization of a Calcium Channel β Subunit Expressed in Differentiating Neurons and Myoblasts. <i>Developmental Biology</i> , 2002, 243, 249-259.	2.0	24
26	Molecular analysis of neurogenic placode development in a basal ray-finned fish. <i>Genesis</i> , 2011, 49, 278-294.	1.6	24
27	Striking parallels between carotid body glomus cell and adrenal chromaffin cell development. <i>Developmental Biology</i> , 2018, 444, S308-S324.	2.0	22
28	Insights into Electroreceptor Development and Evolution from Molecular Comparisons with Hair Cells. <i>Integrative and Comparative Biology</i> , 2018, 58, 329-340.	2.0	21
29	Evolution of electrosensory ampullary organs: conservation of <i>Eya4</i> expression during lateral line development in jawed vertebrates. <i>Evolution & Development</i> , 2012, 14, 277-285.	2.0	17
30	Restricted response of mesencephalic neural crest to sympathetic differentiation signals in the trunk. <i>Developmental Biology</i> , 2005, 278, 175-192.	2.0	15
31	Olfactory ensheathing cells abutting the embryonic olfactory bulb express <i>Frzb</i> , whose deletion disrupts olfactory axon targeting. <i>Glia</i> , 2018, 66, 2617-2631.	4.9	14
32	Insights into olfactory ensheathing cell development from a laser-microdissection and transcriptome-profiling approach. <i>Glia</i> , 2020, 68, 2550-2584.	4.9	13
33	Constitutively active Notch1 converts cranial neural crest-derived frontonasal mesenchyme to perivascular cells <i>in vivo</i> . <i>Biology Open</i> , 2017, 6, 317-325.	1.2	10
34	Evolutionary divergence of trigeminal nerve somatotopy in amniotes. <i>Journal of Comparative Neurology</i> , 2013, 521, 1378-1394.	1.6	9
35	Evidence for a Notch1-mediated transition during olfactory ensheathing cell development. <i>Journal of Anatomy</i> , 2016, 229, 369-383.	1.5	9
36	Notch and Fgf signaling during electrosensory versus mechanosensory lateral line organ development in a non-teleost ray-finned fish. <i>Developmental Biology</i> , 2017, 431, 48-58.	2.0	9

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37	Neural crest Notch/Rbpj signaling regulates olfactory gliogenesis and neuronal migration. <i>Genesis</i> , 2018, 56, e23215.	1.6	7
38	The Development and Evolution of Lateral Line Electoreceptors: Insights from Comparative Molecular Approaches. <i>Springer Handbook of Auditory Research</i> , 2019, , 25-62.	0.7	7