Marianne E Bronner

List of Publications by Citations

182 papers	6,728 citations	46 h-index	75 g-index
221 ext. papers	8,710 ext. citations	8.7 avg, IF	6.58 L-index

#	Paper	IF	Citations
182	Guidelines and definitions for research on epithelial-mesenchymal transition. *Nature Reviews Molecular Cell Biology*, **2020**, 21, 341-352	48.7	469
181	Sequencing of the sea lamprey (Petromyzon marinus) genome provides insights into vertebrate evolution. *Nature Genetics*, **2013**, 45, 415-21, 421e1-2	36.3	465
180	Establishing neural crest identity: a gene regulatory recipe. *Development (Cambridge)*, **2015**, 142, 242-57	6.6	351
179	Development and evolution of the neural crest: an overview. *Developmental Biology*, **2012**, 366, 2-9	3.1	229
178	Spatiotemporal structure of cell fate decisions in murine neural crest. *Science*, **2019**, 364,	33.3	181
177	Rapid adaptive optical recovery of optimal resolution over large volumes. *Nature Methods*, **2014**, 11, 625-8	21.6	169
176	Dynamic Ligand Discrimination in the Notch Signaling Pathway. *Cell*, **2018**, 172, 869-880.e19	56.2	153
175	Evolution of vertebrates as viewed from the crest. *Nature*, **2015**, 520, 474-482	50.4	138
174	Sip1 mediates an E-cadherin-to-N-cadherin switch during cranial neural crest EMT. *Journal of Cell Biology*, **2013**, 203, 835-47	7.3	108
173	Developmental origins and evolution of jaws: new interpretation of "maxillary" and "mandibular". *Developmental Biology*, **2004**, 276, 225-36	3.1	104
172	A critical role for Cadherin6B in regulating avian neural crest emigration. *Developmental Biology*, **2007**, 312, 533-44	3.1	101
171	Regulatory Logic Underlying Diversification of the Neural Crest. *Trends in Genetics*, **2017**, 33, 715-727	8.5	100
170	What is bad in cancer is good in the embryo: importance of EMT in neural crest development. *Seminars in Cell and Developmental Biology*, **2012**, 23, 320-32	7.5	100
169	Early steps in neural crest specification. *Seminars in Cell and Developmental Biology*, **2005**, 16, 642-6	7.5	99
168	Mapping a multiplexed zoo of mRNA expression. *Development (Cambridge)*, **2016**, 143, 3632-3637	6.6	95
167	Neuropilin 2/semaphorin 3F signaling is essential for cranial neural crest migration and trigeminal ganglion condensation. *Developmental Neurobiology*, **2007**, 67, 47-56	3.2	93
166	Dynamic and differential regulation of stem cell factor FoxD3 in the neural crest is Encrypted in the genome. *PLoS Genetics*, **2012**, 8, e1003142	6	92

165	Reprogramming of avian neural crest axial identity and cell fate. *Science*, **2016**, 352, 1570-3	33.3	91
164	Insights into neural crest development and evolution from genomic analysis. *Genome Research*, **2013**, 23, 1069-80	9.7	86
163	Comprehensive spatiotemporal analysis of early chick neural crest network genes. *Developmental Dynamics*, **2009**, 238, 716-23	2.9	85
162	Transcriptome analysis reveals novel players in the cranial neural crest gene regulatory network. *Genome Research*, **2014**, 24, 281-90	9.7	80
161	A Hox regulatory network of hindbrain segmentation is conserved to the base of vertebrates. *Nature*, **2014**, 514, 490-3	50.4	72
160	Development and evolution of the migratory neural crest: a gene regulatory perspective. *Current Opinion in Genetics and Development*, **2006**, 16, 360-6	4.9	72
159	A stable cranial neural crest cell line from mouse. *Stem Cells and Development*, **2012**, 21, 3069-80	4.4	70
158	Conservation of Pax gene expression in ectodermal placodes of the lamprey. *Gene*, **2002**, 287, 129-39	3.8	67
157	The Neural Crest Migrating into the Twenty-First Century. *Current Topics in Developmental Biology*, **2016**, 116, 115-34	5.3	67
156	Epigenetic regulation in neural crest development. *Developmental Biology*, **2014**, 396, 159-68	3.1	62
155	Evolution of the neural crest viewed from a gene regulatory perspective. *Genesis*, **2008**, 46, 673-82	1.9	61
154	Formation and migration of neural crest cells in the vertebrate embryo. *Histochemistry and Cell Biology*, **2012**, 138, 179-86	2.4	58
153	Corneal keratocytes retain neural crest progenitor cell properties. *Developmental Biology*, **2005**, 288, 284-93	3.1	58
152	A PHD12-Snail2 repressive complex epigenetically mediates neural crest epithelial-to-mesenchymal transition. *Journal of Cell Biology*, **2012**, 198, 999-1010	7.3	56
151	DNA methyltransferase3A as a molecular switch mediating the neural tube-to-neural crest fate transition. *Genes and Development*, **2012**, 26, 2380-5	12.6	54
150	Evidence for dynamic rearrangements but lack of fate or position restrictions in premigratory avian trunk neural crest. *Development (Cambridge)*, **2013**, 140, 820-30	6.6	53
149	Molecular mechanisms of neural crest induction. *Birth Defects Research Part C: Embryo Today Reviews*, **2004**, 72, 109-23		52
148	Animal models for studying neural crest development: is the mouse different?. *Development (Cambridge)*, **2015**, 142, 1555-60	6.6	51

147	Identification of a neural crest stem cell niche by Spatial Genomic Analysis. *Nature Communications*, **2017**, 8, 1830	17.4	51
146	Structural shifts of aldehyde dehydrogenase enzymes were instrumental for the early evolution of retinoid-dependent axial patterning in metazoans. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 226-31	11.5	51
145	Fate map and morphogenesis of presumptive neural crest and dorsal neural tube. *Developmental Biology*, **2009**, 330, 221-36	3.1	51
144	Ancient evolutionary origin of vertebrate enteric neurons from trunk-derived neural crest. *Nature*, **2017**, 544, 88-91	50.4	50
143	Epithelial to mesenchymal transition: new and old insights from the classical neural crest model. *Seminars in Cancer Biology*, **2012**, 22, 411-6	12.7	49
142	Optimization of CRISPR/Cas9 genome editing for loss-of-function in the early chick embryo. *Developmental Biology*, **2017**, 432, 86-97	3.1	48
141	The vertebrate Hox gene regulatory network for hindbrain segmentation: Evolution and diversification: Coupling of a Hox gene regulatory network to hindbrain segmentation is an ancient trait originating at the base of vertebrates. *BioEssays*, **2016**, 38, 526-38	4.1	48
140	Axud1 Integrates Wnt Signaling and Transcriptional Inputs to Drive Neural Crest Formation. *Developmental Cell*, **2015**, 34, 544-54	10.2	47
139	Molecular and tissue interactions governing induction of cranial ectodermal placodes. *Developmental Biology*, **2009**, 332, 189-95	3.1	47
138	Neural crest specification: tissues, signals, and transcription factors. *Wiley Interdisciplinary Reviews: Developmental Biology*, **2012**, 1, 52-68	5.9	46
137	A Sox10 enhancer element common to the otic placode and neural crest is activated by tissue-specific paralogs. *Development (Cambridge)*, **2011**, 138, 3689-98	6.6	46
136	Generating trunk neural crest from human pluripotent stem cells. *Scientific Reports*, **2016**, 6, 19727	4.9	45
135	Dynamic transcriptional signature and cell fate analysis reveals plasticity of individual neural plate border cells. *ELife*, **2017**, 6,	8.9	43
134	The lamprey: a jawless vertebrate model system for examining origin of the neural crest and other vertebrate traits. *Differentiation*, **2014**, 87, 44-51	3.5	41
133	Sensational placodes: neurogenesis in the otic and olfactory systems. *Developmental Biology*, **2014**, 389, 50-67	3.1	40
132	Evolution of the new head by gradual acquisition of neural crest regulatory circuits. *Nature*, **2019**, 574, 675-678	50.4	39
131	Identification and dissection of a key enhancer mediating cranial neural crest specific expression of transcription factor, Ets-1. *Developmental Biology*, **2013**, 382, 567-75	3.1	38
130	Review: the role of neural crest cells in the endocrine system. *Endocrine Pathology*, **2009**, 20, 92-100	4.2	38

129	A novel FoxD3 gene trap line reveals neural crest precursor movement and a role for FoxD3 in their specification. *Developmental Biology*, **2013**, 374, 1-11	3.1	35
128	Crestospheres: Long-Term Maintenance of Multipotent, Premigratory Neural Crest Stem Cells. *Stem Cell Reports*, **2015**, 5, 499-507	8	35
127	Sox10-dependent neural crest origin of olfactory microvillous neurons in zebrafish. *ELife*, **2013**, 2, e00338	8.9	35
126	Myosin-X is critical for migratory ability of Xenopus cranial neural crest cells. *Developmental Biology* , **2009**, 335, 132-42	3.1	33
125	Hierarchy of regulatory events in sensory placode development. *Current Opinion in Genetics and Development*, **2004**, 14, 520-6	4.9	33
124	cMyc Regulates the Size of the Premigratory Neural Crest Stem Cell Pool. *Cell Reports*, **2016**, 17, 2648-2659	8.6	33
123	Migration and diversification of the vagal neural crest. *Developmental Biology*, **2018**, 444 Suppl 1, S98-S109	3.1	32
122	Rbms3 functions in craniofacial development by posttranscriptionally modulating TGF-β signaling. *Journal of Cell Biology*, **2012**, 199, 453-66	7.3	31
121	Cardiac neural crest contributes to cardiomyocytes in amniotes and heart regeneration in zebrafish. *ELife*, **2019**, 8,	8.9	31
120	From classical to current: analyzing peripheral nervous system and spinal cord lineage and fate. *Developmental Biology*, **2015**, 398, 135-46	3.1	30
119	Draxin acts as a molecular rheostat of canonical Wnt signaling to control cranial neural crest EMT. *Journal of Cell Biology*, **2018**, 217, 3683-3697	7.3	30
118	Both neural crest and placode contribute to the ciliary ganglion and oculomotor nerve. *Developmental Biology*, **2003**, 263, 176-90	3.1	30
117	Neural expression of mouse Noelin-1/2 and comparison with other vertebrates. *Mechanisms of Development*, **2002**, 119, 121-5	1.7	29
116	Temporally and spatially restricted expression of the helix-loop-helix transcriptional regulator Id1 during avian embryogenesis. *Mechanisms of Development*, **2001**, 109, 331-5	1.7	29
115	A genome-wide assessment of the ancestral neural crest gene regulatory network. *Nature Communications*, **2019**, 10, 4689	17.4	28
114	In Vivo Quantitative Imaging Provides Insights into Trunk Neural Crest Migration. *Cell Reports*, **2019** , 26, 1489-1500.e3	10.6	27
113	A reporter assay in lamprey embryos reveals both functional conservation and elaboration of vertebrate enhancers. *PLoS ONE*, **2014**, 9, e85492	3.7	27
112	Differentiation of the vertebrate neural tube. *Current Opinion in Cell Biology*, **1997**, 9, 885-91	9	27

111	Expression of sympathetic nervous system genes in Lamprey suggests their recruitment for specification of a new vertebrate feature. *PLoS ONE*, **2011**, 6, e26543	3.7	26
110	Molecular analysis of neural crest formation. *Journal of Physiology (Paris)*, **2002**, 96, 3-8		25
109	A conserved regulatory program initiates lateral plate mesoderm emergence across chordates. *Nature Communications*, **2019**, 10, 3857	17.4	24
108	A Hox-TALE regulatory circuit for neural crest patterning is conserved across vertebrates. *Nature Communications*, **2019**, 10, 1189	17.4	24
107	A fate-map for cranial sensory ganglia in the sea lamprey. *Developmental Biology*, **2014**, 385, 405-16	3.1	24
106	Birth of ophthalmic trigeminal neurons initiates early in the placodal ectoderm. *Journal of Comparative Neurology*, **2009**, 514, 161-73	3.4	24
105	Meis3 is required for neural crest invasion of the gut during zebrafish enteric nervous system development. *Molecular Biology of the Cell*, **2015**, 26, 3728-40	3.5	23
104	Ancient Pbx-Hox signatures define hundreds of vertebrate developmental enhancers. *BMC Genomics*, **2011**, 12, 637	4.5	23
103	Snapshot: neural crest. *Cell*, **2010**, 143, 486-486.e1	56.2	23
102	Altering Glypican-1 levels modulates canonical Wnt signaling during trigeminal placode development. *Developmental Biology*, **2010**, 348, 107-18	3.1	23
101	Enhanced expression of MycN/CIP2A drives neural crest toward a neural stem cell-like fate: Implications for priming of neuroblastoma. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E7351-E7360	11.5	21
100	Avian neural crest cell fate decisions: a diffusible signal mediates induction of neural crest by the ectoderm. *International Journal of Developmental Neuroscience*, **2000**, 18, 621-7	2.7	21
99	The transcriptional regulator Id3 is expressed in cranial sensory placodes during early avian embryonic development. *Mechanisms of Development*, **2001**, 109, 337-40	1.7	21
98	Retinoic acid temporally orchestrates colonization of the gut by vagal neural crest cells. *Developmental Biology*, **2018**, 433, 17-32	3.1	21
97	Dual developmental role of transcriptional regulator Ets1 in Xenopus cardiac neural crest vs. heart mesoderm. *Cardiovascular Research*, **2015**, 106, 67-75	9.9	20
96	DNA methyltransferase 3B regulates duration of neural crest production via repression of Sox10. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 17911-6	11.5	20
95	Histone demethylase KDM4B regulates otic vesicle invagination via epigenetic control of Dlx3 expression. *Journal of Cell Biology*, **2015**, 211, 815-27	7.3	19
94	Reprogramming Axial Level Identity to Rescue Neural-Crest-Related Congenital Heart Defects. *Developmental Cell*, **2020**, 53, 300-315.e4	10.2	19

93	Planar cell polarity signaling coordinates oriented cell division and cell rearrangement in clonally expanding growth plate cartilage. *ELife*, **2017**, 6,	8.9	19
92	A systems-level approach reveals new gene regulatory modules in the developing ear. *Development (Cambridge)*, **2017**, 144, 1531-1543	6.6	18
91	Epithelial-to-mesenchymal transition and different migration strategies as viewed from the neural crest. *Current Opinion in Cell Biology*, **2020**, 66, 43-50	9	18
90	Gene duplications and the early evolution of neural crest development. *Seminars in Cell and Developmental Biology*, **2013**, 24, 95-100	7.5	18
89	Laminin α1a controls distinct steps during the establishment of digestive organ laterality. *Development (Cambridge)*, **2013**, 140, 2734-45	6.6	18
88	Ancestral network module regulating prdm1 expression in the lamprey neural plate border. *Developmental Dynamics*, **2011**, 240, 2265-71	2.9	18
87	Development. Making sense of the sensory lineage. *Science*, **2004**, 303, 966-8	33.3	18
86	Adult tissue-derived neural crest-like stem cells: Sources, regulatory networks, and translational potential. *Stem Cells Translational Medicine*, **2020**, 9, 328-341	6.9	18
85	Transcriptome profiling of the cardiac neural crest reveals a critical role for MafB. *Developmental Biology*, **2018**, 444 Suppl 1, S209-S218	3.1	18
84	The epigenetic modifier DNMT3A is necessary for proper otic placode formation. *Developmental Biology*, **2016**, 411, 294-300	3.1	17
83	Draxin alters laminin organization during basement membrane remodeling to control cranial neural crest EMT. *Developmental Biology*, **2019**, 446, 151-158	3.1	17
82	Reprogramming Postnatal Human Epidermal Keratinocytes Toward Functional Neural Crest Fates. *Stem Cells*, **2017**, 35, 1402-1415	5.8	16
81	Intracellular attenuation of BMP signaling via CKIP-1/Smurf1 is essential during neural crest induction. *PLoS Biology*, **2018**, 16, e2004425	9.7	16
80	A catenin-dependent balance between N-cadherin and E-cadherin controls neuroectodermal cell fate choices. *Mechanisms of Development*, **2018**, 152, 44-56	1.7	16
79	Insights into neural crest development from studies of avian embryos. *International Journal of Developmental Biology*, **2018**, 62, 183-194	1.9	15
78	Filling in the phylogenetic gaps: Induction, migration, and differentiation of neural crest cells in a squamate reptile, the veiled chameleon (Chamaeleo calyptratus). *Developmental Dynamics*, **2019**, 248, 709-727	2.9	14
77	enteric neurogenesis in post-embryonic zebrafish from Schwann cell precursors rather than resident cell types. *Development (Cambridge)*, **2020**, 147,	6.6	14
76	Expression and function of transcription factor cMyb during cranial neural crest development. *Mechanisms of Development*, **2014**, 132, 38-43	1.7	14

75	Gene regulatory networks that control the specification of neural-crest cells in the lamprey. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2009**, 1789, 274-8	6	14
74	Tracking neural crest cell cycle progression in vivo. *Genesis*, **2018**, 56, e23214	1.9	13
73	Tissue specific regulation of the chick Sox10E1 enhancer by different Sox family members. *Developmental Biology*, **2017**, 422, 47-57	3.1	12
72	Preface: the neural crest--from stem cell formation to migration and differentiation. *Developmental Biology*, **2012**, 366, 1	3.1	12
71	Pth4, an ancient parathyroid hormone lost in eutherian mammals, reveals a new brain-to-bone signaling pathway. *FASEB Journal*, **2017**, 31, 569-583	0.9	12
70	Evolutionarily conserved role for SoxC genes in neural crest specification and neuronal differentiation. *Developmental Biology*, **2015**, 397, 282-92	3.1	12
69	Clonal analyses in the anterior pre-placodal region: implications for the early lineage bias of placodal progenitors. *International Journal of Developmental Biology*, **2013**, 57, 753-7	1.9	12
68	Expression of Sox family genes in early lamprey development. *International Journal of Developmental Biology*, **2012**, 56, 377-83	1.9	12
67	The tight junction protein claudin-1 influences cranial neural crest cell emigration. *Mechanisms of Development*, **2012**, 129, 275-83	1.7	12
66	EWS-FLI1 causes neuroepithelial defects and abrogates emigration of neural crest stem cells. *Stem Cells*, **2008**, 26, 2237-44	5.8	12
65	Neural crest lineage analysis: from past to future trajectory. *Development (Cambridge)*, **2020**, 147,	6.6	12
64	An atlas of anterior hox gene expression in the embryonic sea lamprey head: Hox-code evolution in vertebrates. *Developmental Biology*, **2019**, 453, 19-33	3.1	11
63	Epigenetic inactivation of miR-203 as a key step in neural crest epithelial-to-mesenchymal transition. *Development (Cambridge)*, **2019**, 146,	6.6	11
62	Confetti clarifies controversy: neural crest stem cells are multipotent. *Cell Stem Cell*, **2015**, 16, 217-8	18	11
61	Maintaining multipotent trunk neural crest stem cells as self-renewing crestospheres. *Developmental Biology*, **2019**, 447, 137-146	3.1	10
60	Neural crest stem cells from human epidermis of aged donors maintain their multipotency in vitro and in vivo. *Scientific Reports*, **2019**, 9, 9750	4.9	10
59	Elk3 is essential for the progression from progenitor to definitive neural crest cell. *Developmental Biology*, **2013**, 374, 255-63	3.1	10
58	Znf385C mediates a novel p53-dependent transcriptional switch to control timing of facial bone formation. *Developmental Biology*, **2015**, 400, 23-32	3.1	10

57	Macropinocytosis-mediated membrane recycling drives neural crest migration by delivering F-actin to the lamellipodium. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 27400-27411	11.5	10
56	SOXE neofunctionalization and elaboration of the neural crest during chordate evolution. *Scientific Reports*, **2016**, 6, 34964	4.9	9
55	Multiplex clonal analysis in the chick embryo using retrovirally-mediated combinatorial labeling. *Developmental Biology*, **2019**, 450, 1-8	3.1	8
54	Biphasic influence of Miz1 on neural crest development by regulating cell survival and apical adhesion complex formation in the developing neural tube. *Molecular Biology of the Cell*, **2014**, 25, 347-55	3.5	8
53	Identification of candidate secreted factors involved in trigeminal placode induction. *Developmental Dynamics*, **2007**, 236, 2925-35	2.9	8
52	Bimodal function of chromatin remodeler in neural crest induction and Wnt-dependent emigration. *ELife*, **2020**, 9,	8.9	8
51	Evolution of the vertebrate claudin gene family: insights from a basal vertebrate, the sea lamprey. *International Journal of Developmental Biology*, **2016**, 60, 39-51	1.9	8
50	Evolution: On the crest of becoming vertebrate. *Nature*, **2015**, 527, 311-2	50.4	7
49	Human fetal keratocytes have multipotent characteristics in the developing avian embryo. *Stem Cells and Development*, **2013**, 22, 2186-95	4.4	7
48	Hypoxia inducible factor-2 importance for migration, proliferation, and self-renewal of trunk neural crest cells. *Developmental Dynamics*, **2021**, 250, 191-236	2.9	7
47	Leukocyte receptor tyrosine kinase interacts with secreted midkine to promote survival of migrating neural crest cells. *Development (Cambridge)*, **2018**, 145,	6.6	7
46	The transcription factor chicken Scratch2 is expressed in a subset of early postmitotic neural progenitors. *Gene Expression Patterns*, **2013**, 13, 189-96	1.5	6
45	Transcriptome dataset of trunk neural crest cells migrating along the ventral pathway of chick embryos. *Data in Brief*, **2018**, 21, 2547-2553	1.2	6
44	Zebrafish stem/progenitor factor msi2b exhibits two phases of activity mediated by different splice variants. *Stem Cells*, **2014**, 32, 558-71	5.8	5
43	Tetraspanin, CD151, is required for maintenance of trigeminal placode identity. *Journal of Neurochemistry*, **2011**, 117, 221-30	6	5
42	Early regulative ability of the neuroepithelium to form cardiac neural crest. *Developmental Biology*, **2011**, 349, 238-49	3.1	4
41	A novel subset of enteric neurons revealed by ptf1a:GFP in the developing zebrafish enteric nervous system. *Genesis*, **2016**, 54, 123-8	1.9	4
40	Riding the crest to get a head: neural crest evolution in vertebrates. *Nature Reviews Neuroscience*, **2021**, 22, 616-626	13.5	4

39	Essential function and targets of BMP signaling during midbrain neural crest delamination. *Developmental Biology*, **2021**, 477, 251-261	3.1	4
38	Targeted Pth4-expressing cell ablation impairs skeletal mineralization in zebrafish. *PLoS ONE*, **2017**, 12, e0186444	3.7	3
37	Live imaging of endogenous Collapsin response mediator protein-1 expression at subcellular resolution during zebrafish nervous system development. *Gene Expression Patterns*, **2011**, 11, 395-400	1.5	3
36	P-bodies are sites of rapid RNA decay during the neural crest epithelial-mesenchymal transition		3
35	Migratory patterns and evolutionary plasticity of cranial neural crest cells in ray-finned fishes. *Developmental Biology*, **2020**, 467, 14-29	3.1	3
34	Evolution of new cell types at the lateral neural border. *Current Topics in Developmental Biology*, **2021**, 141, 173-205	5.3	3
33	Transcriptomic Identification of Draxin-Responsive Targets During Cranial Neural Crest EMT. *Frontiers in Physiology*, **2021**, 12, 624037	4.6	3
32	Evolution of a chordate-specific mechanism for myoblast fusion		3
31	Stage-dependent plasticity of the anterior neural folds to form neural crest. *Differentiation*, **2014**, 88, 42-50	3.5	2
30	Migrating into Genomics with the Neural Crest. *Advances in Biology*, **2014**, 2014, 1-8		2
29	A career at the interface of cell and developmental biology: a view from the crest. *Molecular Biology of the Cell*, **2012**, 23, 4151-3	3.5	2
28	Additivity of the effects of salt and ethylene glycol on DNA circular dichroism. *Biopolymers*, **1976**, 15, 589-98	2.2	2
27	Author response: Dynamic transcriptional signature and cell fate analysis reveals plasticity of individual neural plate border cells **2017**,		2
26	Clonal analysis and dynamic imaging identify multipotency of individual Gallus gallus caudal hindbrain neural crest cells toward cardiac and enteric fates. *Nature Communications*, **2021**, 12, 1894	17.4	2
25	A single-plasmid approach for genome editing coupled with long-term lineage analysis in chick embryos. *Development (Cambridge)*, **2021**, 148,	6.6	2
24	Hmx gene conservation identifies the origin of vertebrate cranial ganglia.. *Nature*, **2022**,	50.4	2
23	How inhibitory cues can both constrain and promote cell migration. *Journal of Cell Biology*, **2016**, 213, 505-7	7.3	1
22	A novel HoxB cluster protein expressed in the hindbrain and pharyngeal arches. *Genesis*, **2014**, 52, 858-63	1.9	1

21	Neurogenesis and Migration **2013**, 339-361		1
20	Live imaging of endogenous periodic tryptophan protein 2 gene homologue during zebrafish development. *Developmental Dynamics*, **2011**, 240, 2578-83	2.9	1
19	Single-cell atlas of early chick development reveals gradual segregation of neural crest lineage from the neural plate border during neurulation.. *ELife*, **2022**, 11,	8.9	1
18	RNA-binding protein Elavl1/HuR is required for maintenance of cranial neural crest specification		1
17	A genome-wide assessment of the ancestral neural crest gene regulatory network		1
16	De novo enteric neurogenesis in post-embryonic zebrafish from Schwann cell precursors rather than resident cell types		1
15	Temporal changes in plasma membrane lipid content induce endocytosis to regulate developmental epithelial-to-mesenchymal transition		1
14	Maintaining trunk neural crest cells as crestospheres		1
13	A somatic piRNA pathway regulates epithelial-to-mesenchymal transition of chick neural crest cells		1
12	Comparative Development of Cyclostomes **2018**, 30-58		1
11	Seq Your Destiny: Neural Crest Fate Determination in the Genomic Era. *Annual Review of Genetics*, **2021**, 55, 349-376	14.5	1
10	A Spectrum of Cell States During the Epithelial-to-Mesenchymal Transition. *Methods in Molecular Biology*, **2021**, 2179, 3-6	1.4	1
9	Efficient CRISPR Mutagenesis in Sturgeon Demonstrates Its Utility in Large, Slow-Maturing Vertebrates.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 750833	5.7	0
8	Schwann cell precursors: Where they come from and where they go. *Cells and Development*, **2021**, 166, 203686		0
7	Reprint of: Schwann cell precursors: Where they come from and where they go. *Cells and Development*, **2021**, 203729		0
6	Analysis of lamprey meis genes reveals that conserved inputs from Hox, Meis and Pbx proteins control their expression in the hindbrain and neural tube. *Developmental Biology*, **2021**, 479, 61-76	3.1	0
5	Whole gut imaging allows quantification of all enteric neurons in the adult zebrafish intestine. *Neurogastroenterology and Motility*, **2021**, e14292	4	0
4	Bioinformatic analysis of nematode migration-associated genes identifies novel vertebrate neural crest markers. *PLoS ONE*, **2014**, 9, e103024	3.7	

3	Epigenetic Regulation of Neural Crest Cells **2014**, 89-100	
2	ILF-3 is a regulator of the neural plate border marker Zic1 in chick embryos. *Developmental Dynamics*, **2012**, 241, 1325-32	2.9
1	Evidence for dynamic rearrangements but lack of fate or position. *FASEB Journal*, **2013**, 27, 965.1	0.9