Artur Kania

List of Publications by Year in descending order

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78 papers	3,954 citations	159358 30 h-index	128067 60 g-index
89 all docs	89 docs citations	89 times ranked	4820 citing authors

#	Article	IF	Citations
1	Genome-wide analysis identifies impaired axonogenesis in chronic overlapping pain conditions. Brain, 2022, 145, 1111-1123.	3.7	24
2	Microglia-mediated degradation of perineuronal nets promotes pain. Science, 2022, 377, 80-86.	6.0	52
3	Sensational developments in somatosensory development?. Current Opinion in Neurobiology, 2021, 66, 212-223.	2.0	2
4	Paxillin Is Required for Proper Spinal Motor Axon Growth into the Limb. Journal of Neuroscience, 2021, 41, 3808-3821.	1.7	3
5	Robo recruitment of the Wave regulatory complex plays an essential and conserved role in midline repulsion. ELife, 2021, 10, .	2.8	14
6	Spinal lumbar dI2 interneurons contribute to stability of bipedal stepping. ELife, 2021, 10, .	2.8	3
7	Netrin1 and reelin signaling are required for the migration of anterolateral system neurons in the embryonic spinal cord. Pain, 2021, Publish Ahead of Print, .	2.0	2
8	Characterisation of lamina I anterolateral system neurons that express Cre in a Phox2a-Cre mouse line. Scientific Reports, 2021, 11, 17912.	1.6	11
9	Netrin-1 receptor DCC is required for the contralateral topography of lamina I anterolateral system neurons. Pain, 2021, 162, 161-175.	2.0	6
10	Thomas M. Jessell (1951â€“2019). Neuroscience, 2020, 450, 1-2.	1.1	0
11	Phox2a Defines a Developmental Origin of the Anterolateral System in Mice and Humans. Cell Reports, 2020, 33, 108425.	2.9	35
12	Ephrin/Eph signaling in axon guidance. , 2020, , 123-146.		3
13	The endosomal sorting adaptor HD-PTP is required for ephrin-B:EphB signalling in cellular collapse and spinal motor axon guidance. Scientific Reports, 2019, 9, 11945.	1.6	17
14	Recruitment of Spinoparabrachial Neurons by Dorsal Horn Calretinin Neurons. Cell Reports, 2019, 28, 1429-1438.e4.	2.9	40
15	Ephrin-A5 potentiates netrin-1 axon guidance by enhancing Neogenin availability. Scientific Reports, 2019, 9, 12009.	1.6	17
16	A Retino-retinal Projection Guided by Unc5c Emerged in Species with Retinal Waves. Current Biology, 2019, 29, 1149-1160.e4.	1.8	22
17	Dorsal horn calretinin neurons mediate pain through a parabrachial ascending pathway. Journal of Pain, 2018, 19, S12.	0.7	0
18	DCC Is Required for the Development of Nociceptive Topognosis in Mice and Humans. Cell Reports, 2018, 22, 1105-1114.	2.9	21

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19	Ephexin1 Is Required for Eph-Mediated Limb Trajectory of Spinal Motor Axons. Journal of Neuroscience, 2018, 38, 2043-2056.	1.7	9
20	Loss of Dcc in the spinal cord is sufficient to cause a deficit in lateralized motor control and the switch to a hopping gait. Developmental Dynamics, 2018, 247, 620-629.	0.8	9
21	Spatiotemporal regulation of the GPCR activity of BAI3 by C1qL4 and Stabilin-2 controls myoblast fusion. Nature Communications, 2018, 9, 4470.	5.8	40
22	Netrin1 Produced by Neural Progenitors, Not Floor Plate Cells, Is Required for Axon Guidance in the Spinal Cord. Neuron, 2017, 94, 790-799.e3.	3.8	146
23	Cooperation and crosstalk in axon guidance cue integration: Additivity, synergy, and fineâ€tuning in combinatorial signaling. Developmental Neurobiology, 2017, 77, 891-904.	1.5	42
24	Normal Molecular Specification and Neurodegenerative Disease-Like Death of Spinal Neurons Lacking the SNARE-Associated Synaptic Protein Munc18-1. Journal of Neuroscience, 2016, 36, 561-576.	1.7	21
25	Mechanisms of ephrinâ€“Eph signalling in development, physiology and disease. Nature Reviews Molecular Cell Biology, 2016, 17, 240-256.	16.1	504
26	ISDN2014_0393: A role for the transcription factor lmx1b in pain modality discrimination. International Journal of Developmental Neuroscience, 2015, 47, 115-116.	0.7	0
27	ISDN2014_0420: Molecular mechanisms of synergistic ephrinâ€“netrin interactions in axon guidance. International Journal of Developmental Neuroscience, 2015, 47, 127-127.	0.7	0
28	ISDN2014_0279: Spinal neuron identity and survival in the absence of neurosecretion. International Journal of Developmental Neuroscience, 2015, 47, 83-83.	0.7	0
29	Synergistic integration of Netrin and ephrin axon guidance signals by spinal motor neurons. ELife, 2015, 4, .	2.8	67
30	An Automated Strategy for Unbiased Morphometric Analyses and Classifications of Growth Cones In Vitro. PLoS ONE, 2015, 10, e0140959.	1.1	6
31	Î±2-Chimaerin Is Required for Eph Receptor-Class-Specific Spinal Motor Axon Guidance and Coordinate Activation of Antagonistic Muscles. Journal of Neuroscience, 2015, 35, 2344-2357.	1.7	17
32	Hoxb8 Intersection Defines a Role forLmx1bin Excitatory Dorsal Horn Neuron Development, Spinofugal Connectivity, and Nociception. Journal of Neuroscience, 2015, 35, 5233-5246.	1.7	31
33	Complete Loss of Netrin-1 Results in Embryonic Lethality and Severe Axon Guidance Defects without Increased Neural Cell Death. Cell Reports, 2015, 12, 1099-1106.	2.9	82
34	G-protein coupled receptor BAI3 promotes myoblast fusion in vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3745-3750.	3.3	105
35	Concocting Cholinergy. PLoS Genetics, 2014, 10, e1004313.	1.5	4
36	Spinal Motor Neuron Migration and the Significance of Topographic Organization in the Nervous System. Advances in Experimental Medicine and Biology, 2014, 800, 133-148.	0.8	14

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37	EphA4 Receptor Shedding Regulates Spinal Motor Axon Guidance. Current Biology, 2014, 24, 2355-2365.	1.8	32
38	Netrin 1 and Dcc signalling are required for confinement of central axons within the central nervous system. Development (Cambridge), 2014, 141, 594-603.	1.2	27
39	Ephrin signalling in the developing nervous system. Current Opinion in Neurobiology, 2014, 27, 16-24.	2.0	73
40	Emergence of Motor Circuit Activity. PLoS ONE, 2014, 9, e93836.	1.1	8
41	A core transcriptional network composed of Pax2/8, Gata3 and Lim1 regulates key players of pro/mesonephros morphogenesis. Developmental Biology, 2013, 382, 555-566.	0.9	51
42	Uncoupling of EphA/ephrinA Signaling and Spontaneous Activity in Neural Circuit Wiring. Journal of Neuroscience, 2013, 33, 18208-18218.	1.7	32
43	Genetic Evidence for a Contribution of EphA:EphrinA Reverse Signaling to Motor Axon Guidance. Journal of Neuroscience, 2012, 32, 5209-5215.	1.7	38
44	Genetic Analysis of DSCAM's Role as a Netrin-1 Receptor in Vertebrates. Journal of Neuroscience, 2012, 32, 411-416.	1.7	42
45	Splice-Mediated Motif Switching Regulates Disabled-1 Phosphorylation and SH2 Domain Interactions. Molecular and Cellular Biology, 2012, 32, 2794-2808.	1.1	19
46	Breathless without Hox. Nature Neuroscience, 2012, 15, 1607-1609.	7.1	1
47	Eph and ephrin signaling: Lessons learned from spinal motor neurons. Seminars in Cell and Developmental Biology, 2012, 23, 83-91.	2.3	43
48	Cell-Type Specific Roles for PTEN in Establishing a Functional Retinal Architecture. PLoS ONE, 2012, 7, e32795.	1.1	34
49	Ephrin-Mediated cis-Attenuation of Eph Receptor Signaling Is Essential for Spinal Motor Axon Guidance. Neuron, 2011, 71, 76-91.	3.8	116
50	Optimisation of in ovo electroporation of the chick neural tube. Journal of Neuroscience Methods, 2011, 201, 381-384.	1.3	12
51	Identity and fate of Tbx4â€expressing cells reveal developmental cell fate decisions in the allantois, limb, and external genitalia. Developmental Dynamics, 2011, 240, 2290-2300.	0.8	42
52	Neogenin May Functionally Substitute for Dcc in Chicken. PLoS ONE, 2011, 6, e22072.	1.1	32
53	Examining the combinatorial model of motor neuron survival by expression profiling of trophic factors and their receptors in the embryonic Gallus gallus. Developmental Dynamics, 2010, 239, 965-979.	0.8	6
54	Identification of genes controlled by LMX1B in E13.5 mouse limbs. Developmental Dynamics, 2010, 239, 2246-2255.	0.8	11

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55	Foxp1 and Lhx1 Coordinate Motor Neuron Migration with Axon Trajectory Choice by Gating Reelin Signalling. PLoS Biology, 2010, 8, e1000446.	2.6	80
56	Src Family Kinases Are Required for Limb Trajectory Selection by Spinal Motor Axons. Journal of Neuroscience, 2009, 29, 5690-5700.	1.7	42
57	Lmx1b controls the differentiation and migration of the superficial dorsal horn neurons of the spinal cord. Development (Cambridge), 2009, 136, 1961-1961.	1.2	0
58	A novel conserved evx1 enhancer links spinal interneuron morphology and cis-regulation from fish to mammals. Developmental Biology, 2009, 325, 422-433.	0.9	29
59	Identification of genes controlled by LMX1B in the developing mouse limb bud. Developmental Dynamics, 2008, 237, 1183-1192.	0.8	31
60	[P1.40]: Control of myotopic organization of spinal motor neurons by Reelin signaling. International Journal of Developmental Neuroscience, 2008, 26, 854-855.	0.7	1
61	[P2.32]: Suppression of interneuron programs and maintenance of selected spinal motor neuron fates by the transcription factor AML1/Runx1. International Journal of Developmental Neuroscience, 2008, 26, 877-877.	0.7	1
62	[P2.43]: Netrin signaling coordinates the topography of spinal motor neuron axon projections. International Journal of Developmental Neuroscience, 2008, 26, 881-881.	0.7	0
63	Specification of Motor Axon Trajectory by Ephrin-B:EphB Signaling: Symmetrical Control of Axonal Patterning in the Developing Limb. Neuron, 2008, 60, 1039-1053.	3.8	123
64	Suppression of interneuron programs and maintenance of selected spinal motor neuron fates by the transcription factor AML1/Runx1. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6451-6456.	3.3	37
65	Distinct Roles for Secreted Semaphorin Signaling in Spinal Motor Axon Guidance. Neuron, 2006, 49, 319.	3.8	1
66	Aberrant lysosomal carbohydrate storage accompanies endocytic defects and neurodegeneration in Drosophila benchwarmer. Journal of Cell Biology, 2005, 170, 127-139.	2.3	128
67	Distinct Roles for Secreted Semaphorin Signaling in Spinal Motor Axon Guidance. Neuron, 2005, 48, 949-964.	3.8	216
68	Requirement of Lim1 for female reproductive tract development. Development (Cambridge), 2004, 131, 539-549.	1.2	182
69	Lmx1b controls the differentiation and migration of the superficial dorsal horn neurons of the spinal cord. Development (Cambridge), 2004, 131, 3693-3703.	1.2	95
70	A Postmitotic Role for Isl-Class LIM Homeodomain Proteins in the Assignment of Visceral Spinal Motor Neuron Identity. Neuron, 2004, 41, 337-350.	3.8	177
71	Topographic Motor Projections in the Limb Imposed by LIM Homeodomain Protein Regulation of Ephrin-A:EphA Interactions. Neuron, 2003, 38, 581-596.	3.8	256
72	Immunocytochemical Analysis of Axonal Outgrowth in Synaptotagmin Mutations. Journal of Neurochemistry, 2002, 65, 32-40.	2.1	12

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73	Lim1 Activity Is Required for Intermediate Mesoderm Differentiation in the Mouse Embryo. Developmental Biology, 2000, 223, 77-90.	0.9	126
74	Coordinate Roles for LIM Homeobox Genes in Directing the Dorsoventral Trajectory of Motor Axons in the Vertebrate Limb. Cell, 2000, 102, 161-173.	13.5	256
75	Mutations in neuromusculin, a gene encoding a cell adhesion molecule, cause nervous system defects. Roux's Archives of Developmental Biology, 1995, 204, 259-270.	1.2	6
76	P-element mutations affecting embryonic peripheral nervous system development in Drosophila melanogaster.. Genetics, 1995, 139, 1663-1678.	1.2	118
77	neuromusculin, a drosophila gene expressed in peripheral neuronal precursors and muscles, encodes a cell adhesion molecule. Neuron, 1993, 11, 673-687.	3.8	48
78	A Retino-Retinal Connection Guided by Unc5c Emerged in Species with Retinal Waves. SSRN Electronic Journal, 0, , .	0.4	0