Dominik Heyers

List of Publications by Year
in descending order

28 papers	1,531 citations	361413 20 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	862 citing authors

#	Article	IF	Citations
1	In Search for the Avian Trigeminal Magnetic Sensor: Distribution of Peripheral and Central Terminals of Ophthalmic Sensory Neurons in the Night-Migratory Eurasian Blackcap (Sylvia atricapilla). Frontiers in Neuroanatomy, 2022, 16, 853401.	1.7	3
2	Prussian blue technique is prone to yield false negative results in magnetoreception research. Scientific Reports, 2022, 12, .	3.3	4
3	Cryptochrome 1a localisation in light- and dark-adapted retinae of several migratory and non-migratory bird species: no signs of light-dependent activation. Ethology Ecology and Evolution, 2021, 33, 248-272.	1.4	30
4	The neuronal correlates of the avian magnetic senses. Neuroforum, 2021, 27, 167-174.	0.3	2
5	A newly identified trigeminal brain pathway in a night-migratory bird could be dedicated to transmitting magnetic map information. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192788.	2.6	17
6	Magnetic map navigation in a migratory songbird requires trigeminal input. Scientific Reports, 2018, 8, 11975.	3.3	36
7	Lidocaine is a nocebo treatment for trigeminally mediated magnetic orientation in birds. Journal of the Royal Society Interface, 2018, 15, 20180124.	3.4	15
8	Geomagnetic information modulates nocturnal migratory restlessness but not fueling in a long distance migratory songbird. Journal of Avian Biology, 2017, 48, 75-82.	1.2	33
9	The magnetic map sense and its use in fine-tuning the migration programme of birds. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2017, 203, 491-497.	1.6	18
10	Magnetic activation in the brain of the migratory northern wheatear (Oenanthe oenanthe). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2017, 203, 591-600.	1.6	23
11	Localisation of the Putative Magnetoreceptive Protein Cryptochrome 1b in the Retinae of Migratory Birds and Homing Pigeons. PLoS ONE, 2016, 11, e0147819.	2.5	58
12	Experienced migratory songbirds do not display goal-ward orientation after release following a cross-continental displacement: an automated telemetry study. Scientific Reports, 2016, 6, 37326.	3.3	21
13	The Neural Basis of Long-Distance Navigation in Birds. Annual Review of Physiology, 2016, 78, 133-154.	13.1	107
14	Eurasian reed warblers compensate for virtual magnetic displacement. Current Biology, 2015, 25, R822-R824.	3.9	105
15	Magnetic field-driven induction of ZENK in the trigeminal system of pigeons (Columba livia). Journal of the Royal Society Interface, 2014, 11, 20140777.	3.4	40
16	An Iron-Rich Organelle in the Cuticular Plate of Avian Hair Cells. Current Biology, 2013, 23, 924-929.	3.9	41
17	Migratory Reed Warblers Need Intact Trigeminal Nerves to Correct for a 1,000 km Eastward Displacement. PLoS ONE, 2013, 8, e65847.	2.5	68
18	Nightâ€time neuronal activation of Cluster N in a dayâ€and nightâ€migrating songbird. European Journal of Neuroscience, 2010, 32, 619-624.	2.6	51

#	Article	IF	Citations
19	Avian Magnetoreception: Elaborate Iron Mineral Containing Dendrites in the Upper Beak Seem to Be a Common Feature of Birds. PLoS ONE, 2010, 5, e9231.	2.5	113
20	Night-migratory garden warblers can orient with their magnetic compass using the left, the right or both eyes. Journal of the Royal Society Interface, 2010, 7, S227-33.	3.4	53
21	Magnetic field changes activate the trigeminal brainstem complex in a migratory bird. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9394-9399.	7.1	112
22	Visual but not trigeminal mediation of magnetic compass information in a migratory bird. Nature, 2009, 461, 1274-1277.	27.8	239
23	Calcium-binding proteins label functional streams of the visual system in a songbird. Brain Research Bulletin, 2008, 75, 348-355.	3.0	27
24	A Visual Pathway Links Brain Structures Active during Magnetic Compass Orientation in Migratory Birds. PLoS ONE, 2007, 2, e937.	2.5	160
25	Selective synaptic cadherin expression by traced neurons of the chicken visual system. Neuroscience, 2004, 127, 901-912.	2.3	15
26	Cadherin expression coincides with birth dating patterns in patchy compartments of the developing chicken telencephalon. Journal of Comparative Neurology, 2003, 460, 155-166.	1.6	23
27	Patch/matrix patterns of gray matter differentiation in the telencephalon of chicken and mouse. Brain Research Bulletin, 2002, 57, 489-493.	3.0	20
28	Targeting Axons to Specific Fiber TractsIn Vivoby Altering Cadherin Expression. Journal of Neuroscience, 2002, 22, 7617-7626.	3.6	97