Filippo Del Bene

List of Publications by Year in Descending Order

64 papers	5,534 citations	28 h-index	74 g-index
79 ext. papers	6,781 ext. citations	11.1 avg, IF	5.67 L-index

#	Paper	IF	Citations
64	Danionella translucida, a tankful of new opportunities **2022**, 409-418		1
63	Evolutionary divergence of locomotion in two related vertebrate species.. *Cell Reports*, **2022**, 38, 110585	10.6	0
62	Base Editing-Mediated Dissection of the -200 Region of the Globin Promoters to Induce Fetal Hemoglobin and Rescue Sickle Cell Disease and Thalassemia. *Blood*, **2021**, 138, 562-562	2.2	1
61	Bilateral visual projections exist in non-teleost bony fish and predate the emergence of tetrapods. *Science*, **2021**, 372, 150-156	33.3	5
60	Bi-allelic variants in IPO8 cause a connective tissue disorder associated with cardiovascular defects, skeletal abnormalities, and immune dysregulation. *American Journal of Human Genetics*, **2021**, 108, 1126-1137	11	3
59	Reelin functions beyond neuronal migration: from synaptogenesis to network activity modulation. *Current Opinion in Neurobiology*, **2021**, 66, 135-143	7.6	4
58	Precise base editing for the study of developmental signaling and human pathologies in zebrafish. *ELife*, **2021**, 10,	8.9	11
57	Expression of a Barhl1a reporter in subsets of retinal ganglion cells and commissural neurons of the developing zebrafish brain. *Scientific Reports*, **2020**, 10, 8814	4.9	
56	Elmo1 function, linked to Rac1 activity, regulates peripheral neuronal numbers and myelination in zebrafish. *Cellular and Molecular Life Sciences*, **2020**, 77, 161-177	10.3	6
55	FIGNL1 associates with KIF1B and BICD1 to restrict dynein transport velocity during axon navigation. *Journal of Cell Biology*, **2019**, 218, 3290-3306	7.3	3
54	Redox Signaling via Lipid Peroxidation Regulates Retinal Progenitor Cell Differentiation. *Developmental Cell*, **2019**, 50, 73-89.e6	10.2	20
53	Zebrafish as a Model for the Study of Live Processive Transport in Neurons. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 17	5.7	7
52	Live Tracking of Inter-organ Communication by Endogenous Exosomes In Vivo. *Developmental Cell*, **2019**, 48, 573-589.e4	10.2	136
51	Dynactin1 depletion leads to neuromuscular synapse instability and functional abnormalities. *Molecular Neurodegeneration*, **2019**, 14, 27	19	12
50	Role of Reelin in cell positioning in the cerebellum and the cerebellum-like structure in zebrafish. *Developmental Biology*, **2019**, 455, 393-408	3.1	9
49	Reelin Signaling Controls the Preference for Social Novelty in Zebrafish. *Frontiers in Behavioral Neuroscience*, **2019**, 13, 214	3.5	9
48	An interhemispheric neural circuit allowing binocular integration in the optic tectum. *Nature Communications*, **2019**, 10, 5471	17.4	17

47	An Attractive Reelin Gradient Establishes Synaptic Lamination in the Vertebrate Visual System. *Neuron*, **2018**, 97, 1049-1062.e6	13.9	22
46	Angiotropism and extravascular migratory metastasis in cutaneous and uveal melanoma progression in a zebrafish model. *Scientific Reports*, **2018**, 8, 10448	4.9	24
45	Transparent Danionella translucida as a genetically tractable vertebrate brain model. *Nature Methods*, **2018**, 15, 977-983	21.6	37
44	A light-gated potassium channel for sustained neuronal inhibition. *Nature Methods*, **2018**, 15, 969-976	21.6	27
43	The dual developmental origin of spinal cerebrospinal fluid-contacting neurons gives rise to distinct functional subtypes. *Scientific Reports*, **2017**, 7, 719	4.9	26
42	Genome editing using CRISPR/Cas9-based knock-in approaches in zebrafish. *Methods*, **2017**, 121-122, 77-85	4.6	71
41	CRISPR/Cas9-Mediated Knockin and Knockout in Zebrafish. *Research and Perspectives in Neurosciences*, **2017**, 41-49		11
40	Homology-Independent Integration of Plasmid DNA into the Zebrafish Genome. *Methods in Molecular Biology*, **2016**, 1451, 31-51	1.4	3
39	CSF-contacting neurons regulate locomotion by relaying mechanical stimuli to spinal circuits. *Nature Communications*, **2016**, 7, 10866	17.4	93
38	Neural Circuits Underlying Visually Evoked Escapes in Larval Zebrafish. *Neuron*, **2016**, 89, 613-28	13.9	185
37	2C-Cas9: a versatile tool for clonal analysis of gene function. *Genome Research*, **2016**, 26, 681-92	9.7	38
36	Neuronal Ndrg4 Is Essential for Nodes of Ranvier Organization in Zebrafish. *PLoS Genetics*, **2016**, 12, e1006459	6	12
35	Hydrogen peroxide (H2O2) controls axon pathfinding during zebrafish development. *Developmental Biology*, **2016**, 414, 133-41	3.1	51
34	Clonal analysis of gene loss of function and tissue-specific gene deletion in zebrafish via CRISPR/Cas9 technology. *Methods in Cell Biology*, **2016**, 135, 171-88	1.8	5
33	State-Dependent Modulation of Locomotion by GABAergic Spinal Sensory Neurons. *Current Biology* , **2015**, 25, 3035-47	6.3	59
32	Asymmetric inheritance of the apical domain and self-renewal of retinal ganglion cell progenitors depend on Anillin function. *Development (Cambridge)*, **2015**, 142, 832-9	6.6	19
31	Deletion of a kinesin I motor unmasks a mechanism of homeostatic branching control by neurotrophin-3. *ELife*, **2015**, 4,	8.9	22
30	Highly efficient CRISPR/Cas9-mediated knock-in in zebrafish by homology-independent DNA repair. *Genome Research*, **2014**, 24, 142-53	9.7	436

29	CRISPR/Cas9-mediated conversion of eGFP- into Gal4-transgenic lines in zebrafish. *Nature Protocols* , **2014**, 9, 2823-40	18.8	46
28	CRISPR/Cas9 and TALEN-mediated knock-in approaches in zebrafish. *Methods*, **2014**, 69, 142-50	4.6	130
27	Investigation of spinal cerebrospinal fluid-contacting neurons expressing PKD2L1: evidence for a conserved system from fish to primates. *Frontiers in Neuroanatomy*, **2014**, 8, 26	3.6	71
26	Direction selectivity in the visual system of the zebrafish larva. *Frontiers in Neural Circuits*, **2013**, 7, 111	3.5	16
25	Characterization of the calcium binding protein family in zebrafish. *PLoS ONE*, **2013**, 8, e53299	3.7	17
24	Emergence of patterned activity in the developing zebrafish spinal cord. *Current Biology*, **2012**, 22, 93-102	8.3	123
23	Optogenetics: a new enlightenment age for zebrafish neurobiology. *Developmental Neurobiology*, **2012**, 72, 404-14	3.2	64
22	Let there be light: zebrafish neurobiology and the optogenetic revolution. *Reviews in the Neurosciences*, **2011**, 22, 121-30	4.7	28
21	Interkinetic nuclear migration: cell cycle on the move. *EMBO Journal*, **2011**, 30, 1676-7	13	20
20	Interkinetic nuclear migration: cell cycle on the move. *EMBO Journal*, **2011**, 30, 2510-2510	13	78
19	Optogenetic localization and genetic perturbation of saccade-generating neurons in zebrafish. *Journal of Neuroscience*, **2010**, 30, 7111-20	6.6	133
18	Filtering of visual information in the tectum by an identified neural circuit. *Science*, **2010**, 330, 669-73	33.3	186
17	Optical control of zebrafish behavior with halorhodopsin. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17968-73	11.5	201
16	Optogenetic dissection of a behavioural module in the vertebrate spinal cord. *Nature*, **2009**, 461, 407-10	50.4	324
15	Regulation of neurogenesis by interkinetic nuclear migration through an apical-basal notch gradient. *Cell*, **2008**, 134, 1055-65	56.2	249
14	In vivo validation of a computationally predicted conserved Ath5 target gene set. *PLoS Genetics*, **2007**, 3, 1661-71	6	38
13	Remote control of neuronal activity with a light-gated glutamate receptor. *Neuron*, **2007**, 54, 535-45	13.9	281
12	Differentiation of the vertebrate retina is coordinated by an FGF signaling center. *Developmental Cell*, **2005**, 8, 565-74	10.2	143

11	Cell cycle control by homeobox genes in development and disease. *Seminars in Cell and Developmental Biology*, **2005**, 16, 449-60	7.5	54
10	Direct interaction of geminin and Six3 in eye development. *Nature*, **2004**, 427, 745-9	50.4	209
9	Mutations affecting retina development in Medaka. *Mechanisms of Development*, **2004**, 121, 703-14	1.7	19
8	Genetic dissection of the formation of the forebrain in Medaka, Oryzias latipes. *Mechanisms of Development*, **2004**, 121, 673-85	1.7	15
7	Mutations affecting somite formation in the Medaka (Oryzias latipes). *Mechanisms of Development*, **2004**, 121, 659-71	1.7	14
6	Mutations affecting liver development and function in Medaka, Oryzias latipes, screened by multiple criteria. *Mechanisms of Development*, **2004**, 121, 791-802	1.7	32
5	A systematic genome-wide screen for mutations affecting organogenesis in Medaka, Oryzias latipes. *Mechanisms of Development*, **2004**, 121, 647-58	1.7	115
4	Optical sectioning deep inside live embryos by selective plane illumination microscopy. *Science*, **2004**, 305, 1007-9	33.3	1531
3	Eye Development440-485		
2	Live tracking of inter-organ communication by endogenous exosomes in vivo		4
1	Disease modeling by efficient genome editing using a near PAM-less base editor in vivo		1