Oscar Marin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122 papers	15,701 citations	62 h-index	125 g-index
134 ext. papers	18,003 ext. citations	11.8 avg, IF	6.86 L-index

#	Paper	IF	Citations
122	Input-specific control of interneuron numbers in nascent striatal networks.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2118430119	11.5	0
121	Mouse and human share conserved transcriptional programs for interneuron development. *Science*, **2021**, 374, eabj6641	33.3	3
120	Agust Gonzlez, an Inspirational Leader in Spanish Comparative Neuroanatomy. *Brain, Behavior and Evolution*, **2021**, 1-7	1.5	
119	Orchestrated freedom: new insights into cortical neurogenesis. *Current Opinion in Neurobiology*, **2021**, 66, 48-56	7.6	4
118	Subcellular sorting of neuregulins controls the assembly of excitatory-inhibitory cortical circuits. *ELife*, **2020**, 9,	8.9	5
117	Looking at neurodevelopment through a big data lens. *Science*, **2020**, 369,	33.3	16
116	A community-based transcriptomics classification and nomenclature of neocortical cell types. *Nature Neuroscience*, **2020**, 23, 1456-1468	25.5	76
115	Extensive branching of radially-migrating neurons in the mammalian cerebral cortex. *Journal of Comparative Neurology*, **2019**, 527, 1558-1576	3.4	14
114	Developmental Cell Death in the Cerebral Cortex. *Annual Review of Cell and Developmental Biology*, **2019**, 35, 523-542	12.6	41
113	A stochastic framework of neurogenesis underlies the assembly of neocortical cytoarchitecture. *ELife*, **2019**, 8,	8.9	42
112	Author response: A stochastic framework of neurogenesis underlies the assembly of neocortical cytoarchitecture **2019**,		4
111	Loss of Cntnap2 Causes Axonal Excitability Deficits, Developmental Delay in Cortical Myelination, and Abnormal Stereotyped Motor Behavior. *Cerebral Cortex*, **2019**, 29, 586-597	5.1	34
110	Early emergence of cortical interneuron diversity in the mouse embryo. *Science*, **2018**, 360, 81-85	33.3	130
109	Neural circuit dysfunction in mouse models of neurodevelopmental disorders. *Current Opinion in Neurobiology*, **2018**, 48, 174-182	7.6	50
108	Optimization of interneuron function by direct coupling of cell migration and axonal targeting. *Nature Neuroscience*, **2018**, 21, 920-931	25.5	40
107	Development and Functional Diversification of Cortical Interneurons. *Neuron*, **2018**, 100, 294-313	13.9	251
106	Preventive strategies for mental health. *Lancet Psychiatry,the*, **2018**, 5, 591-604	23.3	193

105	Pyramidal cell regulation of interneuron survival sculpts cortical networks. *Nature*, **2018**, 557, 668-673	50.4	120
104	Tuning neural circuits by turning the interneuron knob. *Current Opinion in Neurobiology*, **2017**, 42, 144-151	7.6	13
103	Neuregulin 3 Mediates Cortical Plate Invasion and Laminar Allocation of GABAergic Interneurons. *Cell Reports*, **2017**, 18, 1157-1170	10.6	34
102	Abnormal wiring of CCK basket cells disrupts spatial information coding. *Nature Neuroscience*, **2017**, 20, 784-792	25.5	40
101	Developmental timing and critical windows for the treatment of psychiatric disorders. *Nature Medicine*, **2016**, 22, 1229-1238	50.5	174
100	Altering the course of schizophrenia: progress and perspectives. *Nature Reviews Drug Discovery*, **2016**, 15, 485-515	64.1	284
99	Nkx2.1-derived astrocytes and neurons together with Slit2 are indispensable for anterior commissure formation. *Nature Communications*, **2015**, 6, 6887	17.4	18
98	Tuning of fast-spiking interneuron properties by an activity-dependent transcriptional switch. *Science*, **2015**, 349, 1216-20	33.3	97
97	Tangential Migration in the Telencephalon **2015**, 45-58		3
96	Molecular mechanisms controlling the migration of striatal interneurons. *Journal of Neuroscience*, **2015**, 35, 8718-29	6.6	28
95	Lineage origins of GABAergic versus glutamatergic neurons in the neocortex. *Current Opinion in Neurobiology*, **2014**, 26, 132-41	7.6	50
94	Sculpting circuits: CRH interneurons modulate neuronal integration. *Developmental Cell*, **2014**, 30, 639-40	10.2	1
93	Human cortical interneurons take their time. *Cell Stem Cell*, **2013**, 12, 497-9	18	14
92	Lineage-specific laminar organization of cortical GABAergic interneurons. *Nature Neuroscience*, **2013**, 16, 1199-210	25.5	101
91	Erbb4 deletion from fast-spiking interneurons causes schizophrenia-like phenotypes. *Neuron*, **2013**, 79, 1152-68	13.9	193
90	Integration of GABAergic interneurons into cortical cell assemblies: lessons from embryos and adults. *Neuron*, **2013**, 79, 849-64	13.9	137
89	A new beginning for a broken mind: balancing neuregulin 1 reverses synaptic dysfunction. *Neuron*, **2013**, 78, 577-9	13.9	5
88	Contact repulsion controls the dispersion and final distribution of Cajal-Retzius cells. *Neuron*, **2013**, 77, 457-71	13.9	76

87	New insights into the classification and nomenclature of cortical GABAergic interneurons. *Nature Reviews Neuroscience*, **2013**, 14, 202-16	13.5	532
86	CXCL12-mediated murine neural progenitor cell movement requires PI3K activation. *Molecular Neurobiology*, **2013**, 48, 217-31	6.2	8
85	Cellular and molecular mechanisms controlling the migration of neocortical interneurons. *European Journal of Neuroscience*, **2013**, 38, 2019-29	3.5	141
84	Cxcl12/Cxcr4 signaling controls the migration and process orientation of A9-A10 dopaminergic neurons. *Development (Cambridge)*, **2013**, 140, 4554-64	6.6	53
83	Cxcl12/Cxcr4 signaling controls the migration and process orientation of A9-A10 dopaminergic neurons. *Journal of Cell Science*, **2013**, 126, e1-e1	5.3	8
82	Cajal-Retzius cells. *Current Biology*, **2012**, 22, R179	6.3	6
81	Slit/Robo signaling modulates the proliferation of central nervous system progenitors. *Neuron*, **2012**, 76, 338-52	13.9	99
80	Interneuron dysfunction in psychiatric disorders. *Nature Reviews Neuroscience*, **2012**, 13, 107-20	13.5	719
79	Neuregulin-1/ErbB4 signaling controls the migration of oligodendrocyte precursor cells during development. *Experimental Neurology*, **2012**, 235, 610-20	5.7	36
78	A wide diversity of cortical GABAergic interneurons derives from the embryonic preoptic area. *Journal of Neuroscience*, **2011**, 31, 16570-80	6.6	125
77	Neuregulin signaling, cortical circuitry development and schizophrenia. *Current Opinion in Genetics and Development*, **2011**, 21, 262-70	4.9	70
76	Cxcr7 controls neuronal migration by regulating chemokine responsiveness. *Neuron*, **2011**, 69, 77-90	13.9	221
75	A postnatal function for Nkx2-1 in basal forebrain integrity (Commentary on Magno et al.). *European Journal of Neuroscience*, **2011**, 34, 1766	3.5	
74	Focal adhesion kinase modulates radial glia-dependent neuronal migration through connexin-26. *Journal of Neuroscience*, **2011**, 31, 11678-91	6.6	48
73	Control of cortical GABA circuitry development by Nrg1 and ErbB4 signalling. *Nature*, **2010**, 464, 1376-80	50.4	343
72	Generation of interneuron diversity in the mouse cerebral cortex. *European Journal of Neuroscience*, **2010**, 31, 2136-41	3.5	141
71	Origin and molecular specification of globus pallidus neurons. *Journal of Neuroscience*, **2010**, 30, 2824-34	6.6	99
70	Guiding neuronal cell migrations. *Cold Spring Harbor Perspectives in Biology*, **2010**, 2, a001834	10.2	276

69	New neurons clear the path of astrocytic processes for their rapid migration in the adult brain. *Neuron*, **2010**, 67, 213-23	13.9	167
68	Neuronal migration mechanisms in development and disease. *Current Opinion in Neurobiology*, **2010** , 20, 68-78	7.6	187
67	Ikaros-1 couples cell cycle arrest of late striatal precursors with neurogenesis of enkephalinergic neurons. *Journal of Comparative Neurology*, **2010**, 518, 329-51	3.4	33
66	Biased selection of leading process branches mediates chemotaxis during tangential neuronal migration. *Development (Cambridge)*, **2009**, 136, 41-50	6.6	99
65	The embryonic preoptic area is a novel source of cortical GABAergic interneurons. *Journal of Neuroscience*, **2009**, 29, 9380-9	6.6	210
64	Transcriptional control of neuronal migration in the developing mouse brain. *Cerebral Cortex*, **2009**, 19 Suppl 1, i107-13	5.1	41
63	Petilla terminology: nomenclature of features of GABAergic interneurons of the cerebral cortex. *Nature Reviews Neuroscience*, **2008**, 9, 557-68	13.5	1092
62	Postmitotic Nkx2-1 controls the migration of telencephalic interneurons by direct repression of guidance receptors. *Neuron*, **2008**, 59, 733-45	13.9	197
61	Chemokine signaling controls intracortical migration and final distribution of GABAergic interneurons. *Journal of Neuroscience*, **2008**, 28, 1613-24	6.6	180
60	Abnormal laminar position and dendrite development of interneurons in the reeler forebrain. *Brain Research*, **2007**, 1140, 75-83	3.7	49
59	Delineation of multiple subpallial progenitor domains by the combinatorial expression of transcriptional codes. *Journal of Neuroscience*, **2007**, 27, 9682-95	6.6	433
58	Spatial genetic patterning of the embryonic neuroepithelium generates GABAergic interneuron diversity in the adult cortex. *Journal of Neuroscience*, **2007**, 27, 10935-46	6.6	303
57	Robo1 and Robo2 cooperate to control the guidance of major axonal tracts in the mammalian forebrain. *Journal of Neuroscience*, **2007**, 27, 3395-407	6.6	167
56	Layer acquisition by cortical GABAergic interneurons is independent of Reelin signaling. *Journal of Neuroscience*, **2006**, 26, 6924-34	6.6	110
55	New neurons follow the flow of cerebrospinal fluid in the adult brain. *Science*, **2006**, 311, 629-32	33.3	604
54	Tangential neuronal migration controls axon guidance: a role for neuregulin-1 in thalamocortical axon navigation. *Cell*, **2006**, 125, 127-42	56.2	303
53	Neurons in motion: same principles for different shapes?. *Trends in Neurosciences*, **2006**, 29, 655-61	13.3	66
52	Meninges control tangential migration of hem-derived Cajal-Retzius cells via CXCL12/CXCR4 signaling. *Nature Neuroscience*, **2006**, 9, 1284-93	25.5	216

51	Developmental mechanisms underlying the generation of cortical interneuron diversity. *Neuron*, **2005**, 46, 377-81	13.9	83
50	Short- and long-range attraction of cortical GABAergic interneurons by neuregulin-1. *Neuron*, **2004**, 44, 251-61	13.9	342
49	The LIM-homeobox gene Lhx8 is required for the development of many cholinergic neurons in the mouse forebrain. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 9005-10	11.5	182
48	Directional guidance of interneuron migration to the cerebral cortex relies on subcortical Slit1/2-independent repulsion and cortical attraction. *Development (Cambridge)*, **2003**, 130, 1889-901	6.6	122
47	Requirement of the orphan nuclear receptor SF-1 in terminal differentiation of ventromedial hypothalamic neurons. *Molecular and Cellular Neurosciences*, **2003**, 22, 441-53	4.8	73
46	Thalamocortical topography reloaded: it’s not where you go, but how you get there. *Neuron*, **2003**, 39, 388-91	13.9	13
45	Cell migration in the forebrain. *Annual Review of Neuroscience*, **2003**, 26, 441-83	17	781
44	Patterning, Regionalization, and Cell Differentiation in the Forebrain **2002**, 75-106		18
43	Localization of choline acetyltransferase (ChAT) immunoreactivity in the brain of a caecilian amphibian, Dermophis mexicanus (Amphibia: Gymnophiona). *Journal of Comparative Neurology*, **2002**, 448, 249-67	3.4	29
42	Distribution and origin of the catecholaminergic innervation in the amphibian mesencephalic tectum. *Visual Neuroscience*, **2002**, 19, 321-33	1.7	16
41	Slit proteins prevent midline crossing and determine the dorsoventral position of major axonal pathways in the mammalian forebrain. *Neuron*, **2002**, 33, 233-48	13.9	356
40	Regional expression of the homeobox gene NKX2-1 defines pallidal and interneuronal populations in the basal ganglia of amphibians. *Neuroscience*, **2002**, 114, 567-75	3.9	72
39	Origin and development of descending catecholaminergic pathways to the spinal cord in amphibians. *Brain Research Bulletin*, **2002**, 57, 325-30	3.9	11
38	Organization of cholinergic systems in the brain of different fish groups: a comparative analysis. *Brain Research Bulletin*, **2002**, 57, 331-4	3.9	29
37	Patterning of the basal telencephalon and hypothalamus is essential for guidance of cortical projections. *Development (Cambridge)*, **2002**, 129, 761-73	6.6	47
36	Distribution of choline acetyltransferase-immunoreactive structures in the lamprey brain. *Journal of Comparative Neurology*, **2001**, 431, 105-26	3.4	123
35	Descending supraspinal pathways in amphibians. I. A dextran amine tracing study of their cells of origin. *Journal of Comparative Neurology*, **2001**, 434, 186-208	3.4	59
34	Descending supraspinal pathways in amphibians. II. Distribution and origin of the catecholaminergic innervation of the spinal cord. *Journal of Comparative Neurology*, **2001**, 434, 209-32	3.4	35

33	A long, remarkable journey: tangential migration in the telencephalon. *Nature Reviews Neuroscience*, **2001**, 2, 780-90	13.5	844
32	Sorting of striatal and cortical interneurons regulated by semaphorin-neuropilin interactions. *Science*, **2001**, 293, 872-5	33.3	354
31	Differential expression of Eph receptors and ephrins correlates with the formation of topographic projections in primary and secondary visual circuits of the embryonic chick forebrain. *Developmental Biology*, **2001**, 234, 289-303	3.1	32
30	Origin and molecular specification of striatal interneurons. *Journal of Neuroscience*, **2000**, 20, 6063-76	6.6	513
29	Localization of NADPH diaphorase/nitric oxide synthase and choline acetyltransferase in the spinal cord of the frog, Rana perezi. *Journal of Comparative Neurology*, **2000**, 419, 451-470	3.4	42
28	Distribution of choline acetyltransferase (ChAT) immunoreactivity in the brain of the adult trout and tract-tracing observations on the connections of the nuclei of the isthmus. *Journal of Comparative Neurology*, **2000**, 428, 450-74	3.4	85
27	Evolution of the basal ganglia: new perspectives through a comparative approach. *Journal of Anatomy*, **2000**, 196 (Pt 4), 501-17	2.9	169
26	Cell migration from the ganglionic eminences is required for the development of hippocampal GABAergic interneurons. *Neuron*, **2000**, 28, 727-40	13.9	294
25	Localization of NADPH diaphorase/nitric oxide synthase and choline acetyltransferase in the spinal cord of the frog, Rana perezi. *Journal of Comparative Neurology*, **2000**, 419, 451-70	3.4	3
24	Cholinergic and GABAergic neuronal elements in the pineal organ of lampreys, and tract-tracing observations of differential connections of pinealofugal neurons. *Cell and Tissue Research*, **1999**, 295, 215-23	4.2	38
23	Origin of tectal cholinergic projections in amphibians: a combined study of choline acetyltransferase immunohistochemistry and retrograde transport of dextran amines. *Visual Neuroscience*, **1999**, 16, 271-83	1.7	40
22	Choline acetyltransferase immunoreactivity in the hypothalamoneurohypophysial system of the lamprey. *European Journal of Morphology*, **1999**, 37, 103-6		3
21	Evidences for shared features in the organization of the basal ganglia in tetrapods: studies in amphibians. *European Journal of Morphology*, **1999**, 37, 151-4		9
20	Cholinergic and catecholaminergic neurons relay striatal information to the optic tectum in amphibians. *European Journal of Morphology*, **1999**, 37, 155-9		13
19	Basal ganglia organization in amphibians: Chemoarchitecture. *Journal of Comparative Neurology*, **1998**, 392, 285-312	3.4	143
18	Basal ganglia organization in amphibians: evidence for a common pattern in tetrapods. *Progress in Neurobiology*, **1998**, 55, 363-97	10.9	64
17	Evolution of the basal ganglia in tetrapods: a new perspective based on recent studies in amphibians. *Trends in Neurosciences*, **1998**, 21, 487-94	13.3	188
16	Localization of adrenomedullin-like immunoreactivity in the hypothalamo-hypophysial system of amphibians. *Neuroscience Letters*, **1998**, 242, 13-6	3.3	17

15	Basal ganglia organization in amphibians: Chemoarchitecture **1998**, 392, 285		2
14	Afferent connections of the nucleus accumbens of the snake, Elaphe guttata, studied by means of in vitro and in vivo tracing techniques in combination with TH immunohistochemistry. *Neuroscience Letters*, **1997**, 225, 101-4	3.3	11
13	Anatomical substrate of amphibian basal ganglia involvement in visuomotor behaviour. *European Journal of Neuroscience*, **1997**, 9, 2100-9	3.5	36
12	Basal ganglia organization in amphibians: afferent connections to the striatum and the nucleus accumbens. *Journal of Comparative Neurology*, **1997**, 378, 16-49	3.4	92
11	Basal ganglia organization in amphibians: catecholaminergic innervation of the striatum and the nucleus accumbens. *Journal of Comparative Neurology*, **1997**, 378, 50-69	3.4	74
10	Basal ganglia organization in amphibians: Efferent connections of the striatum and the nucleus accumbens. *Journal of Comparative Neurology*, **1997**, 380, 23-50	3.4	94
9	Distribution of choline acetyltransferase immunoreactivity in the brain of anuran (Rana perezi, Xenopus laevis) and urodele (Pleurodeles waltl) amphibians. *Journal of Comparative Neurology*, **1997**, 382, 499-534	3.4	128
8	Basal ganglia organization in amphibians: development of striatal and nucleus accumbens connections with emphasis on the catecholaminergic inputs. *Journal of Comparative Neurology*, **1997**, 383, 349-69	3.4	32
7	Do amphibians have a true locus coeruleus?. *NeuroReport*, **1996**, 7, 1447-51	1.7	50
6	Topographical distribution of NADPH-diaphorase activity in the central nervous system of the frog, Rana perezi. *Journal of Comparative Neurology*, **1996**, 367, 54-69	3.4	86
5	Ontogeny of vasotocinergic and mesotocinergic systems in the brain of the South African clawed frog Xenopus laevis. *Journal of Chemical Neuroanatomy*, **1995**, 9, 27-40	3.2	24
4	Evidence for a mesolimbic pathway in anuran amphibians: a combined tract-tracing/immunohistochemical study. *Neuroscience Letters*, **1995**, 190, 183-6	3.3	25
3	Development of catecholamine systems in the central nervous system of the newt Pleurodeles waltlii as revealed by tyrosine hydroxylase immunohistochemistry. *Journal of Comparative Neurology*, **1995**, 360, 33-48	3.4	26
2	Ontogeny of catecholamine systems in the central nervous system of anuran amphibians: an immunohistochemical study with antibodies against tyrosine hydroxylase and dopamine. *Journal of Comparative Neurology*, **1994**, 346, 63-79	3.4	76
1	Heterogeneous progenitor cell behaviors underlie the assembly of neocortical cytoarchitecture		4