

Fernando Martinez-Garcia

List of Publications by Year in descending order

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91
papers

3,146
citations

126907

33
h-index

175258

52
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93
all docs

93
docs citations

93
times ranked

2158
citing authors

#	ARTICLE	IF	CITATIONS
1	A new stabilizing agent for the tetramethyl benzidine (TMB) reaction product in the histochemical detection of horseradish peroxidase (HRP). <i>Journal of Neuroscience Methods</i> , 1985, 13, 131-138.	2.5	303
2	Differential efferent projections of the anterior, posteroventral, and posterodorsal subdivisions of the medial amygdala in mice. <i>Frontiers in Neuroanatomy</i> , 2012, 6, 33.	1.7	123
3	The pallial amygdala of amniote vertebrates: evolution of the concept, evolution of the structure. <i>Brain Research Bulletin</i> , 2002, 57, 463-469.	3.0	121
4	Refining the dual olfactory hypothesis: Pheromone reward and odour experience. <i>Behavioural Brain Research</i> , 2009, 200, 277-286.	2.2	114
5	Attractive properties of sexual pheromones in mice. <i>Physiology and Behavior</i> , 2002, 77, 167-176.	2.1	108
6	Evidence for the plant-specific intercellular transport of the Arabidopsis copper chaperone CCH. <i>Plant Journal</i> , 2001, 25, 521-528.	5.7	96
7	Of Pheromones and Kairomones: What Receptors Mediate Innate Emotional Responses?. <i>Anatomical Record</i> , 2013, 296, 1346-1363.	1.4	90
8	Attraction to sexual pheromones and associated odorants in female mice involves activation of the reward system and basolateral amygdala. <i>European Journal of Neuroscience</i> , 2005, 21, 2186-2198.	2.6	86
9	Identification of the reptilian basolateral amygdala: an anatomical investigation of the afferents to the posterior dorsal ventricular ridge of the lizard <i>Podarcis hispanica</i> . <i>European Journal of Neuroscience</i> , 1998, 10, 3517-3534.	2.6	74
10	Afferent and efferent connections of the olfactory bulbs in the lizard <i>Podarcis hispanica</i> . <i>Journal of Comparative Neurology</i> , 1991, 305, 337-347.	1.6	71
11	Afferent projections to the different medial amygdala subdivisions: a retrograde tracing study in the mouse. <i>Brain Structure and Function</i> , 2016, 221, 1033-1065.	2.3	67
12	A Lacertilian Dorsal Retinorecipient Thalamus: A Re-Investigation in the Old-World Lizard <i>Podarcis hispanica</i> (Part 1 of 2). <i>Brain, Behavior and Evolution</i> , 1997, 50, 313-323.	1.7	64
13	Intraspecific Communication Through Chemical Signals in Female Mice: Reinforcing Properties of Involatile Male Sexual Pheromones. <i>Chemical Senses</i> , 2006, 32, 139-148.	2.0	58
14	Projections from the posterolateral olfactory amygdala to the ventral striatum: neural basis for reinforcing properties of chemical stimuli. <i>BMC Neuroscience</i> , 2007, 8, 103.	1.9	58
15	From sexual attraction to maternal aggression: When pheromones change their behavioural significance. <i>Hormones and Behavior</i> , 2015, 68, 65-76.	2.1	56
16	The vomeronasal cortex – afferent and efferent projections of the posteromedial cortical nucleus of the amygdala in mice. <i>European Journal of Neuroscience</i> , 2014, 39, 141-158.	2.6	49
17	Two interconnected functional systems in the amygdala of amniote vertebrates. <i>Brain Research Bulletin</i> , 2008, 75, 206-213.	3.0	48
18	Projections from the medial cortex in the brain of lizards: Correlation of anterograde and retrograde transport of horseradish peroxidase with timm staining. <i>Journal of Comparative Neurology</i> , 1988, 276, 469-480.	1.6	47

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19	Distribution of corticotropin-releasing factor-immunoreactive neurons in the central nervous system of the domestic chicken and Japanese quail. <i>Journal of Comparative Neurology</i> , 2004, 469, 559-580.	1.6	47
20	Connections of the lateral cortex in the lizard <i>Podarcis hispanica</i> . <i>Neuroscience Letters</i> , 1986, 63, 39-44.	2.1	46
21	Amygdalo-hypothalamic projections in the lizard <i>Podarcis hispanica</i> : A combined anterograde and retrograde tracing study. <i>Journal of Comparative Neurology</i> , 1997, 384, 537-555.	1.6	46
22	Selective dopaminergic lesions of the ventral tegmental area impair preference for sucrose but not for male sexual pheromones in female mice. <i>European Journal of Neuroscience</i> , 2006, 24, 885-893.	2.6	46
23	Role of the vomeronasal system in intersexual attraction in female mice. <i>Neuroscience</i> , 2008, 153, 383-395.	2.3	45
24	Distribution of oxytocin and co-localization with arginine vasopressin in the brain of mice. <i>Brain Structure and Function</i> , 2016, 221, 3445-3473.	2.3	45
25	Septal complex of the telencephalon of lizards: III. Efferent connections and general discussion. <i>Journal of Comparative Neurology</i> , 1998, 401, 525-548.	1.6	43
26	Tuning the brain for motherhood: prolactin-like central signalling in virgin, pregnant, and lactating female mice. <i>Brain Structure and Function</i> , 2017, 222, 895-921.	2.3	43
27	Distribution of CGRP-like immunoreactivity in the chick and quail brain. , 2000, 421, 515-532.		41
28	Fiber Connections of the Amygdaloid Formation of the Lizard <i>Podarcis hispanica</i>. <i>Brain, Behavior and Evolution</i> , 1993, 41, 156-162.	1.7	39
29	Attraction to male pheromones and sexual behaviour show different regulatory mechanisms in female mice. <i>Physiology and Behavior</i> , 2004, 81, 427-434.	2.1	39
30	Vomeronasal inputs to the rodent ventral striatum. <i>Brain Research Bulletin</i> , 2008, 75, 467-473.	3.0	38
31	Amygdaloid projections to the ventral striatum in mice: direct and indirect chemosensory inputs to the brain reward system. <i>Frontiers in Neuroanatomy</i> , 2011, 5, 54.	1.7	38
32	Septal complex of the telencephalon of the lizard <i>Podarcis hispanica</i> . II. afferent connections. <i>Journal of Comparative Neurology</i> , 1997, 383, 489-511.	1.6	37
33	Chemosensory Function of the Amygdala. <i>Vitamins and Hormones</i> , 2010, 83, 165-196.	1.7	37
34	Evolution of the Amygdala in Vertebrates. , 2007, , 255-334.		36
35	Sexual pheromones and the evolution of the reward system of the brain: The chemosensory function of the amygdala. <i>Brain Research Bulletin</i> , 2008, 75, 460-466.	3.0	35
36	Cladistic Analysis of Olfactory and Vomeronasal Systems. <i>Frontiers in Neuroanatomy</i> , 2011, 5, 3.	1.7	35

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37	Wired for motherhood: induction of maternal care but not maternal aggression in virgin female CD1 mice. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 197.	2.0	35
38	Focal lesions within the ventral striato-pallidum abolish attraction for male chemosignals in female mice. <i>Behavioural Brain Research</i> , 2014, 259, 292-296.	2.2	32
39	Extending the socio-sexual brain: arginine-vasopressin immunoreactive circuits in the telencephalon of mice. <i>Brain Structure and Function</i> , 2014, 219, 1055-1081.	2.3	31
40	Amygdalostriatal projections in reptiles: A tract-tracing study in the lizard <i>Podarcis hispanica</i> . <i>Journal of Comparative Neurology</i> , 2004, 479, 287-308.	1.6	30
41	Piriform Cortex and Amygdala. , 2012, , 140-172.		30
42	Striato-amygdaloid transition area lesions reduce the duration of tonic immobility in the lizard <i>Podarcis hispanica</i> . <i>Brain Research Bulletin</i> , 2002, 57, 537-541.	3.0	28
43	The septal complex of the telencephalon of the lizard <i>Podarcis hispanica</i> . I. chemoarchitectonical organization. <i>Journal of Comparative Neurology</i> , 1995, 359, 117-130.	1.6	27
44	Callosal neurones give rise to zinc-rich boutons in the rat visual cortex. <i>NeuroReport</i> , 1995, 6, 497-500.	1.2	26
45	Afferent and Efferent Connections of the Cortex-Amygdala Transition Zone in Mice. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 125.	1.7	26
46	Pyramidal and nonpyramidal callosal cells in the striate cortex of the adult rat. <i>Journal of Comparative Neurology</i> , 1994, 350, 439-451.	1.6	25
47	Effects of dopaminergic drugs on innate pheromone-mediated reward in female mice: A new case of dopamine-independent "liking.". <i>Behavioral Neuroscience</i> , 2007, 121, 920-932.	1.2	25
48	Synchronized Activity in The Main and Accessory Olfactory Bulbs and Vomeronasal Amygdala Elicited by Chemical Signals in Freely Behaving Mice. <i>Scientific Reports</i> , 2017, 7, 9924.	3.3	25
49	Interhemispheric connections through the pallial commissures in the brain of <i>Podarcis hispanica</i> and <i>Gallotia stehlinii</i> (Reptilia, Lacertidae). <i>Journal of Morphology</i> , 1990, 205, 17-31.	1.2	22
50	Understanding the basic circuitry of the cerebral hemispheres: the case of lizards and its implications in the evolution of the telencephalon. <i>Brain Research Bulletin</i> , 2002, 57, 471-473.	3.0	21
51	Amygdala. , 2015, , 441-490.		21
52	The maternal hormone in the male brain: Sexually dimorphic distribution of prolactin signalling in the mouse brain. <i>PLoS ONE</i> , 2018, 13, e0208960.	2.5	21
53	Lesions of the dopaminergic innervation of the nucleus accumbens medial shell delay the generation of preference for sucrose, but not of sexual pheromones. <i>Behavioural Brain Research</i> , 2012, 226, 538-547.	2.2	20
54	Afferent and efferent projections of the anterior cortical amygdaloid nucleus in the mouse. <i>Journal of Comparative Neurology</i> , 2017, 525, 2929-2954.	1.6	19

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55	Proposal of 5-methoxy- N -methyl- N -isopropyltryptamine consumption biomarkers through identification of in vivo metabolites from mice. <i>Journal of Chromatography A</i> , 2017, 1508, 95-105.	3.7	18
56	Distribution of calcitonin gene-related peptide-like immunoreactivity in the brain of the lizard <i>Podarcis hispanica</i> . <i>Journal of Comparative Neurology</i> , 2002, 447, 99-113.	1.6	16
57	Sex versus sweet: Opposite effects of opioid drugs on the reward of sucrose and sexual pheromones.. <i>Behavioral Neuroscience</i> , 2008, 122, 416-425.	1.2	16
58	Sex pheromones are not always attractive: changes induced by learning and illness in mice. <i>Animal Behaviour</i> , 2014, 97, 265-272.	1.9	16
59	Hippocampal dopamine receptors modulate cFos expression in the rat nucleus accumbens evoked by chemical stimulation of the ventral hippocampus. <i>Neuropharmacology</i> , 2005, 49, 1067-1076.	4.1	15
60	Ascending projections from the optic tectum in the lizard <i>Podarcis hispanica</i> . <i>Visual Neuroscience</i> , 1998, 15, 459-475.	1.0	14
61	Calcium-binding proteins in the dorsal ventricular ridge of the lizard <i>Psammmodromus algerius</i> . <i>Journal of Comparative Neurology</i> , 1999, 405, 32-44.	1.6	14
62	What is the amygdala? A comparative approach. <i>Trends in Neurosciences</i> , 1999, 22, 207.	8.6	14
63	Seasonal sexually dimorphic distribution of neuropeptide Y-like immunoreactive neurons in the forebrain of the lizard <i>Podarcis hispanica</i> . <i>Journal of Chemical Neuroanatomy</i> , 1994, 7, 217-225.	2.1	13
64	Evolution of vertebrate survival circuits. <i>Current Opinion in Behavioral Sciences</i> , 2018, 24, 113-123.	3.9	13
65	Afferents to the red nucleus in the lizard <i>Podarcis hispanica</i> : Putative pathways for visuomotor integration. <i>Journal of Comparative Neurology</i> , 1999, 411, 35-55.	1.6	12
66	Avoidance and contextual learning induced by a kairomone, a pheromone and a common odorant in female CD1 mice. <i>Frontiers in Neuroscience</i> , 2015, 9, 336.	2.8	12
67	Maternal Motivation: Exploring the Roles of Prolactin and Pup Stimuli. <i>Neuroendocrinology</i> , 2021, 111, 805-830.	2.5	12
68	Neural Substrate to Associate Odorants and Pheromones: Convergence of Projections from the Main and Accessory Olfactory Bulbs in Mice. , 2013, , 3-16.		11
69	Pregnancy Changes the Response of the Vomeronasal and Olfactory Systems to Pups in Mice. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 593309.	3.7	11
70	The GABAergic system of the dorsal cortex of lizards: A combined HRP-GABA immunohistochemistry study. <i>Neuroscience Letters</i> , 1990, 109, 13-17.	2.1	10
71	Convergence of Thalamic and Cholinergic Projections in the "Dentate Area"™ of Lizards. <i>Brain, Behavior and Evolution</i> , 1998, 51, 113-122.	1.7	10
72	Novel sampling strategy for alive animal volatolome extraction combined with GC-MS based untargeted metabolomics: Identifying mouse pup pheromones. <i>Talanta</i> , 2021, 235, 122786.	5.5	9

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73	Thalamo-Cortical Projections in the Lizard <i>Podarcis hispanica</i> . , 1990, , 93-102.		9
74	Lack of MeCP2 leads to region-specific increase of doublecortin in the olfactory system. <i>Brain Structure and Function</i> , 2019, 224, 1647-1658.	2.3	8
75	Role of nitric oxide in pheromone-mediated intraspecific communication in mice. <i>Physiology and Behavior</i> , 2009, 98, 608-613.	2.1	7
76	Catecholaminergic interplexiform cells in the retina of lizards. <i>Vision Research</i> , 1996, 36, 1349-1355.	1.4	6
77	Retinal ganglion cells projecting to the optic tectum and visual thalamus of lizards. <i>Visual Neuroscience</i> , 2002, 19, 575-581.	1.0	6
78	Male-specific features are reduced in <i>Mecp2</i> -null mice: analyses of vasopressinergic innervation, pheromone production and social behaviour. <i>Brain Structure and Function</i> , 2020, 225, 2219-2238.	2.3	6
79	Understanding the pharmacokinetics of synthetic cathinones: Evaluation of the blood-brain barrier permeability of 13 related compounds in rats. <i>Addiction Biology</i> , 2021, 26, e12979.	2.6	6
80	The origin of the amniote sensory and motor cortices. <i>Behavioral and Brain Sciences</i> , 2003, 26, 561-563.	0.7	4
81	Adaptive Function and Brain Evolution. <i>Frontiers in Neuroanatomy</i> , 2012, 6, 17.	1.7	4
82	Glutamate and Opioid Antagonists Modulate Dopamine Levels Evoked by Innately Attractive Male Chemosignals in the Nucleus Accumbens of Female Rats. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 8.	1.7	4
83	In-depth comparison of the metabolic and pharmacokinetic behaviour of the structurally related synthetic cannabinoids AMB-FUBINACA and AMB-CHMICA in rats. <i>Communications Biology</i> , 2022, 5, 161.	4.4	4
84	Motherhood-induced gene expression in the mouse medial amygdala: Changes induced by pregnancy and lactation but not by pup stimuli. <i>FASEB Journal</i> , 2021, 35, e21806.	0.5	3
85	Species-specific Differences in the Corticohypothalamic Connections of Lizards. <i>European Journal of Morphology</i> , 1999, 37, 85-88.	0.8	3
86	Brain met-enkephalin immunostaining after subacute and subchronic exposure to benzene. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1994, 52, 163-170.	2.7	2
87	Have Sexual Pheromones Their Own Reward System in the Brain of Female Mice?. , 2008, , 261-270.		2
88	Becoming a mother shifts the activity of the social and motivation brain networks in mice. <i>IScience</i> , 2022, 25, 104525.	4.1	2
89	A Lacertilian Dorsal Retinorecipient Thalamus: A Re-Investigation in the Old-World Lizard <i>Podarcis hispanica</i> (Part 2 of 2). <i>Brain, Behavior and Evolution</i> , 1997, 50, 324-334.	1.7	0
90	2074v Alpha1-Beta1 and Alpha6-Beta1-Integrin. , 2008, , 1-1.		0

#	ARTICLE	IF	CITATIONS
91	TEACHING ACTIVITIES FOR THE IMPROVEMENT OF HISTOLOGICAL KNOWLEDGE IN AN INTEGRATED EDUCATIONAL SYSTEM: THE GRADE OF MEDICINE OF THE UNIVERSITY JAUME I. , 2019, , .		0