

Alberto P Pascual

List of Publications by Year in descending order

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42
papers

2,586
citations

331670

21
h-index

265206

42
g-index

43
all docs

43
docs citations

43
times ranked

3423
citing authors

#	ARTICLE	IF	CITATIONS
1	Localization of Long-Term Memory Within the <i>Drosophila</i> Mushroom Body. <i>Science</i> , 2001, 294, 1115-1117.	12.6	330
2	Absolute requirement of GDNF for adult catecholaminergic neuron survival. <i>Nature Neuroscience</i> , 2008, 11, 755-761.	14.8	285
3	Exclusive Consolidated Memory Phases in <i>Drosophila</i> . <i>Science</i> , 2004, 304, 1024-1027.	12.6	254
4	Brain asymmetry and long-term memory. <i>Nature</i> , 2004, 427, 605-606.	27.8	204
5	Oxygen Sensing by Arterial Chemoreceptors Depends on Mitochondrial Complex I Signaling. <i>Cell Metabolism</i> , 2015, 22, 825-837.	16.2	180
6	Abnormal Sympathoadrenal Development and Systemic Hypotension in <i>PHD3</i> ^Δ Mice. <i>Molecular and Cellular Biology</i> , 2008, 28, 3386-3400.	2.3	176
7	Carotid body oxygen sensing. <i>European Respiratory Journal</i> , 2008, 32, 1386-1398.	6.7	113
8	Fundamental physical cellular constraints drive self-organization of tissues. <i>EMBO Journal</i> , 2016, 35, 77-88.	7.8	103
9	Acute Oxygen Sensing in Heme Oxygenase-2 Null Mice. <i>Journal of General Physiology</i> , 2006, 128, 405-411.	1.9	96
10	Carotid body chemosensory responses in mice deficient of TASK channels. <i>Journal of General Physiology</i> , 2010, 135, 379-392.	1.9	80
11	GDNF-based therapies, GDNF-producing interneurons, and trophic support of the dopaminergic nigrostriatal pathway. Implications for Parkinson's disease. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 10.	1.7	78
12	GDNF Is Predominantly Expressed in the PV+ Neostriatal Interneuronal Ensemble in Normal Mouse and after Injury of the Nigrostriatal Pathway. <i>Journal of Neuroscience</i> , 2012, 32, 864-872.	3.6	72
13	GDNF and protection of adult central catecholaminergic neurons. <i>Journal of Molecular Endocrinology</i> , 2011, 46, R83-R92.	2.5	59
14	Carotid body hyperplasia and enhanced ventilatory responses to hypoxia in mice with heterozygous deficiency of PHD2. <i>Journal of Physiology</i> , 2013, 591, 3565-3577.	2.9	53
15	Glia fuel neurons with locally synthesized ketone bodies to sustain memory under starvation. <i>Nature Metabolism</i> , 2022, 4, 213-224.	11.9	49
16	Hypoxia compromises the mitochondrial metabolism of Alzheimer's disease microglia via HIF1. <i>Nature Aging</i> , 2021, 1, 385-399.	11.6	43
17	Oxygen Sensing in the Carotid Body. <i>Annals of the New York Academy of Sciences</i> , 2009, 1177, 119-131.	3.8	34
18	Mechanisms of acute oxygen sensing by the carotid body: Lessons from genetically modified animals. <i>Respiratory Physiology and Neurobiology</i> , 2007, 157, 140-147.	1.6	30

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19	Prolyl Hydroxylase-dependent Modulation of Eukaryotic Elongation Factor 2 Activity and Protein Translation under Acute Hypoxia. <i>Journal of Biological Chemistry</i> , 2012, 287, 9651-9658.	3.4	30
20	GDNF is required for neural colonization of the pancreas. <i>Development (Cambridge)</i> , 2013, 140, 3669-3679.	2.5	27
21	Cloning and Expression of the <i>algL</i> Gene, Encoding the <i>Azotobacter chroococcum</i> Alginate Lyase: Purification and Characterization of the Enzyme. <i>Journal of Bacteriology</i> , 1999, 181, 1409-1414.	2.2	25
22	Quantifiable diagnosis of muscular dystrophies and neurogenic atrophies through network analysis. <i>BMC Medicine</i> , 2013, 11, 77.	5.5	22
23	Cloning, Purification and Characterization of the Protein Subunit of Ribonuclease P from the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>FEBS Journal</i> , 1996, 241, 17-24.	0.2	21
24	Topological Progression in Proliferating Epithelia Is Driven by a Unique Variation in Polygon Distribution. <i>PLoS ONE</i> , 2013, 8, e79227.	2.5	21
25	Non-productive angiogenesis disassembles A β plaque-associated blood vessels. <i>Nature Communications</i> , 2021, 12, 3098.	12.8	20
26	Functional reconstitution of RNase P activity from a plastid RNA subunit and a cyanobacterial protein subunit. <i>FEBS Letters</i> , 1999, 442, 7-10.	2.8	18
27	Ethanolamine kinase controls neuroblast divisions in <i>Drosophila</i> mushroom bodies. <i>Developmental Biology</i> , 2005, 280, 177-186.	2.0	17
28	CDase is a pan-ceramidase in <i>Drosophila</i> . <i>Molecular Biology of the Cell</i> , 2011, 22, 33-43.	2.1	16
29	Age-Mediated Transcriptomic Changes in Adult Mouse Substantia Nigra. <i>PLoS ONE</i> , 2013, 8, e62456.	2.5	15
30	Reply to "GDNF is not required for catecholaminergic neuron survival in vivo". <i>Nature Neuroscience</i> , 2015, 18, 322-323.	14.8	14
31	Simultaneous Detection of Both GDNF and GFR α 1 Expression Patterns in the Mouse Central Nervous System. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 73.	1.7	13
32	Effect of hypoxia on lung gene expression and proteomic profile: Insights into the pulmonary surfactant response. <i>Journal of Proteomics</i> , 2014, 101, 179-191.	2.4	12
33	Sequence and structure of the RNA subunit of RNase P from the cyanobacterium <i>Pseudoanabaena</i> sp. PCC6903. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1994, 1218, 463-465.	2.4	11
34	Conditional UAS-targeted repression in <i>Drosophila</i> . <i>Nucleic Acids Research</i> , 2005, 33, e7-e7.	14.5	11
35	<i>GDNF</i> gene is associated with tourette syndrome in a family study. <i>Movement Disorders</i> , 2015, 30, 1115-1120.	3.9	11
36	Substantia nigra dopaminergic neurons and striatal interneurons are engaged in three parallel but interdependent postnatal neurotrophic circuits. <i>Aging Cell</i> , 2018, 17, e12821.	6.7	9

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37	Acute and Chronic Sustained Hypoxia Do Not Substantially Regulate Amyloid- β Peptide Generation In Vivo. PLoS ONE, 2017, 12, e0170345.	2.5	8
38	Differential proteomic analysis of adrenal gland during postnatal development. Proteomics, 2009, 9, 2946-2954.	2.2	7
39	Glial-derived neurotrophic factor is essential for blood-nerve barrier functional recovery in an experimental murine model of traumatic peripheral neuropathy. Tissue Barriers, 2018, 6, 1-22.	3.2	7
40	Borrelia burgdorferi infection induces long-term memory-like responses in macrophages with tissue-wide consequences in the heart. PLoS Biology, 2021, 19, e3001062.	5.6	7
41	β -Haemoglobin regulates sympathoadrenal cell metabolism to maintain a catecholaminergic phenotype. Biochemical Journal, 2012, 441, 843-852.	3.7	4
42	Differential deletion of GDNF in the auditory system leads to altered sound responsiveness. Journal of Neuroscience Research, 2020, 98, 1764-1779.	2.9	1