Alberto P Pascual

List of Publications by Year
in descending order

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	Glia fuel neurons with locally synthesized ketone bodies to sustain memory under starvation. Nature Metabolism, 2022, 4, 213-224.	11.9	49
2	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
3	Hypoxia compromises the mitochondrial metabolism of Alzheimerâ€™s disease microglia via HIF1. Nature Aging, 2021, 1, 385-399.	11.6	43
4	Non-productive angiogenesis disassembles AÃŸ plaque-associated blood vessels. Nature Communications, 2021, 12, 3098.	12.8	20
5	Differential deletion of GDNF in the auditory system leads to altered sound responsiveness. Journal of Neuroscience Research, 2020, 98, 1764-1779.	2.9	1
6	Substantia nigra dopaminergic neurons and striatal interneurons are engaged in three parallel but interdependent postnatal neurotrophic circuits. Aging Cell, 2018, 17, e12821.	6.7	9
7	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
8	Acute and Chronic Sustained Hypoxia Do Not Substantially Regulate Amyloid-Î² Peptide Generation In Vivo. PLoS ONE, 2017, 12, e0170345.	2.5	8
9	Simultaneous Detection of Both GDNF and GFRÎ±1 Expression Patterns in the Mouse Central Nervous System. Frontiers in Neuroanatomy, 2016, 10, 73.	1.7	13
10	Fundamental physical cellular constraints drive selfâ€organization of tissues. EMBO Journal, 2016, 35, 77-88.	7.8	103
11	GDNF gene is associated with tourette syndrome in a family study. Movement Disorders, 2015, 30, 1115-1120.	3.9	11
12	GDNF-based therapies, GDNF-producing interneurons, and trophic support of the dopaminergic nigrostriatal pathway. Implications for ParkinsonÃ¢â‚¬â„¢s disease. Frontiers in Neuroanatomy, 2015, 9, 10.	1.7	78
13	Oxygen Sensing by Arterial Chemoreceptors Depends on Mitochondrial Complex I Signaling. Cell Metabolism, 2015, 22, 825-837.	16.2	180
14	Reply to â€œGDNF is not required for catecholaminergic neuron survival in vivoâ€• Nature Neuroscience, 2015, 18, 322-323.	14.8	14
15	Effect of hypoxia on lung gene expression and proteomic profile: Insights into the pulmonary surfactant response. Journal of Proteomics, 2014, 101, 179-191.	2.4	12
16	Quantifiable diagnosis of muscular dystrophies and neurogenic atrophies through network analysis. BMC Medicine, 2013, 11, 77.	5.5	22
17	GDNF is required for neural colonization of the pancreas. Development (Cambridge), 2013, 140, 3669-3679.	2.5	27
18	Carotid body hyperplasia and enhanced ventilatory responses to hypoxia in mice with heterozygous deficiency of PHD2. Journal of Physiology, 2013, 591, 3565-3577.	2.9	53

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19	Age-Mediated Transcriptomic Changes in Adult Mouse Substantia Nigra. PLoS ONE, 2013, 8, e62456.	2.5	15
20	Topological Progression in Proliferating Epithelia Is Driven by a Unique Variation in Polygon Distribution. PLoS ONE, 2013, 8, e79227.	2.5	21
21	GDNF Is Predominantly Expressed in the PV+ Neostriatal Interneuronal Ensemble in Normal Mouse and after Injury of the Nigrostriatal Pathway. Journal of Neuroscience, 2012, 32, 864-872.	3.6	72
22	Prolyl Hydroxylase-dependent Modulation of Eukaryotic Elongation Factor 2 Activity and Protein Translation under Acute Hypoxia. Journal of Biological Chemistry, 2012, 287, 9651-9658.	3.4	30
23	Î±-Haemoglobin regulates sympathoadrenal cell metabolism to maintain a catecholaminergic phenotype. Biochemical Journal, 2012, 441, 843-852.	3.7	4
24	CDase is a pan-ceramidase in Drosophila. Molecular Biology of the Cell, 2011, 22, 33-43.	2.1	16
25	GDNF and protection of adult central catecholaminergic neurons. Journal of Molecular Endocrinology, 2011, 46, R83-R92.	2.5	59
26	Carotid body chemosensory responses in mice deficient of TASK channels. Journal of General Physiology, 2010, 135, 379-392.	1.9	80
27	Differential proteomic analysis of adrenal gland during postnatal development. Proteomics, 2009, 9, 2946-2954.	2.2	7
28	Oxygen Sensing in the Carotid Body. Annals of the New York Academy of Sciences, 2009, 1177, 119-131.	3.8	34
29	Absolute requirement of GDNF for adult catecholaminergic neuron survival. Nature Neuroscience, 2008, 11, 755-761.	14.8	285
30	Carotid body oxygen sensing. European Respiratory Journal, 2008, 32, 1386-1398.	6.7	113
31	Abnormal Sympathoadrenal Development and Systemic Hypotension in PHD3^{â^'/â^'} Mice. Molecular and Cellular Biology, 2008, 28, 3386-3400.	2.3	176
32	Mechanisms of acute oxygen sensing by the carotid body: Lessons from genetically modified animals. Respiratory Physiology and Neurobiology, 2007, 157, 140-147.	1.6	30
33	Acute Oxygen Sensing in Heme Oxygenase-2 Null Mice. Journal of General Physiology, 2006, 128, 405-411.	1.9	96
34	Conditional UAS-targeted repression in Drosophila. Nucleic Acids Research, 2005, 33, e7-e7.	14.5	11
35	Ethanolamine kinase controls neuroblast divisions in Drosophila mushroom bodies. Developmental Biology, 2005, 280, 177-186.	2.0	17
36	Brain asymmetry and long-term memory. Nature, 2004, 427, 605-606.	27.8	204

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37	Exclusive Consolidated Memory Phases in Drosophila. Science, 2004, 304, 1024-1027.	12.6	254
38	Localization of Long-Term Memory Within the Drosophila Mushroom Body. Science, 2001, 294, 1115-1117.	12.6	330
39	Functional reconstitution of RNase P activity from a plastid RNA subunit and a cyanobacterial protein subunit. FEBS Letters, 1999, 442, 7-10.	2.8	18
40	Cloning and Expression of the algL Gene, Encoding the Azotobacter chroococcum Alginate Lyase: Purification and Characterization of the Enzyme. Journal of Bacteriology, 1999, 181, 1409-1414.	2.2	25
41	Cloning, Purification and Characterization of the Protein Subunit of Ribonuclease P from the Cyanobacterium Synechocystis sp. PCC 6803. FEBS Journal, 1996, 241, 17-24.	0.2	21
42	Sequence and structure of the RNA subunit of RNase P from the cyanobacterium Pseudoanabaena sp. PCC6903. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1994, 1218, 463-465.	2.4	11