

Ana MÃ©ndez

List of Publications by Year in descending order

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26
papers

1,937
citations

566801

15
h-index

642321

23
g-index

27
all docs

27
docs citations

27
times ranked

1421
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid and Reproducible Deactivation of Rhodopsin Requires Multiple Phosphorylation Sites. <i>Neuron</i> , 2000, 28, 153-164.	3.8	243
2	Role of guanylate cyclase-activating proteins (GCAPs) in setting the flash sensitivity of rod photoreceptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 9948-9953.	3.3	231
3	Dynamics of Cyclic GMP Synthesis in Retinal Rods. <i>Neuron</i> , 2002, 36, 81-91.	3.8	207
4	Enhanced Arrestin Facilitates Recovery and Protects Rods Lacking Rhodopsin Phosphorylation. <i>Current Biology</i> , 2009, 19, 700-705.	1.8	178
5	Light-Dependent Redistribution of Arrestin in Vertebrate Rods Is an Energy-Independent Process Governed by Protein-Protein Interactions. <i>Neuron</i> , 2005, 46, 555-567.	3.8	162
6	Genetic evolution and tropism of transmissible gastroenteritis coronaviruses. <i>Virology</i> , 1992, 190, 92-105.	1.1	157
7	Multiple Phosphorylation Sites Confer Reproducibility of the Rod's Single-Photon Responses. <i>Science</i> , 2006, 313, 530-533.	6.0	117
8	Light-Dependent Translocation of Arrestin in the Absence of Rhodopsin Phosphorylation and Transducin Signaling. <i>Journal of Neuroscience</i> , 2003, 23, 3124-3129.	1.7	100
9	Complete genome sequence of transmissible gastroenteritis coronavirus PUR46-MAD clone and evolution of the purdue virus cluster. <i>Virus Genes</i> , 2001, 23, 105-118.	0.7	74
10	Molecular Characterization of Transmissible Gastroenteritis Coronavirus Defective Interfering Genomes: Packaging and Heterogeneity. <i>Virology</i> , 1996, 217, 495-507.	1.1	71
11	The carboxyl-terminal domain is essential for rhodopsin transport in rod photoreceptors. <i>Vision Research</i> , 2002, 42, 417-426.	0.7	71
12	Replication and Packaging of Transmissible Gastroenteritis Coronavirus-Derived Synthetic Minigenomes. <i>Journal of Virology</i> , 1999, 73, 1535-1545.	1.5	71
13	Deactivation of Phosphorylated and Nonphosphorylated Rhodopsin by Arrestin Splice Variants. <i>Journal of Neuroscience</i> , 2006, 26, 1036-1044.	1.7	46
14	Functional Comparisons of Visual Arrestins in Rod Photoreceptors of Transgenic Mice. , 2007, 48, 1968.		41
15	Post-translational regulation of retinal IMPDH1 in vivo to adjust GTP synthesis to illumination conditions. <i>ELife</i> , 2020, 9, .	2.8	35
16	Antigen selection and presentation to protect against transmissible gastroenteritis coronavirus. <i>Veterinary Microbiology</i> , 1992, 33, 249-262.	0.8	27
17	The Presence of a Leu-Gly-Asn Repeatâ€“Enriched Protein (LGN), a Putative Binding Partner of Transducin, in ROD Photoreceptors. , 2005, 46, 383.		26
18	Functional EF-Hands in Neuronal Calcium Sensor GCAP2 Determine Its Phosphorylation State and Subcellular Distribution In Vivo, and Are Essential for Photoreceptor Cell Integrity. <i>PLoS Genetics</i> , 2014, 10, e1004480.	1.5	14

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19	Overexpression of Guanylate Cyclase Activating Protein 2 in Rod Photoreceptors In Vivo Leads to Morphological Changes at the Synaptic Ribbon. PLoS ONE, 2012, 7, e42994.	1.1	14
20	Molecular determinants of Guanylate Cyclase Activating Protein subcellular distribution in photoreceptor cells of the retina. Scientific Reports, 2018, 8, 2903.	1.6	11
21	Evolution and Tropism of Transmissible Gastroenteritis Coronavirus. Advances in Experimental Medicine and Biology, 1994, 342, 35-42.	0.8	11
22	Mouse Models to Study GCAP Functions In Intact Photoreceptors. Advances in Experimental Medicine and Biology, 2002, 514, 361-388.	0.8	10
23	GCAP neuronal calcium sensor proteins mediate photoreceptor cell death in the rd3 mouse model of LCA12 congenital blindness by involving endoplasmic reticulum stress. Cell Death and Disease, 2020, 11, 62.	2.7	9
24	[11] Functional study of rhodopsin phosphorylation in vivo. Methods in Enzymology, 2000, 316, 167-185.	0.4	8
25	The Spike Protein of Transmissible Gastroenteritis Coronavirus Controls the Tropism of Pseudorecombinant Virions Engineered Using Synthetic Minigenomes. Advances in Experimental Medicine and Biology, 1998, 440, 207-214.	0.8	3
26	Enhanced Arrestin Facilitates Recovery and Protects Rods Lacking Rhodopsin Phosphorylation. Current Biology, 2009, 19, 798.	1.8	0