

Miguel C Seabra

List of Publications by Year in descending order

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175
papers

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citations

9254

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143
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185
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185
docs citations

185
times ranked

19777
citing authors

#	ARTICLE	IF	CITATIONS
1	Rab27a and Rab27b control different steps of the exosome secretion pathway. <i>Nature Cell Biology</i> , 2010, 12, 19-30.	4.6	1,992
2	Inhibition of purified p21ras farnesyl:protein transferase by Cys-AAX tetrapeptides. <i>Cell</i> , 1990, 62, 81-88.	13.5	827
3	NOX2 Controls Phagosomal pH to Regulate Antigen Processing during Crosspresentation by Dendritic Cells. <i>Cell</i> , 2006, 126, 205-218.	13.5	754
4	Retinal gene therapy in patients with choroideremia: initial findings from a phase 1/2 clinical trial. <i>Lancet, The</i> , 2014, 383, 1129-1137.	6.3	689
5	Evolution of the rab family of small GTP-binding proteins. <i>Journal of Molecular Biology</i> , 2001, 313, 889-901.	2.0	683
6	Protein Prenyltransferases. <i>Journal of Biological Chemistry</i> , 1996, 271, 5289-5292.	1.6	667
7	Exosome-delivered microRNAs modulate the inflammatory response to endotoxin. <i>Nature Communications</i> , 2015, 6, 7321.	5.8	601
8	Rab27a Supports Exosome-Dependent and -Independent Mechanisms That Modify the Tumor Microenvironment and Can Promote Tumor Progression. <i>Cancer Research</i> , 2012, 72, 4920-4930.	0.4	527
9	MicroRNA-Containing T-Regulatory-Cell-Derived Exosomes Suppress Pathogenic T Helper 1 Cells. <i>Immunity</i> , 2014, 41, 89-103.	6.6	456
10	Rab GTPases, intracellular traffic and disease. <i>Trends in Molecular Medicine</i> , 2002, 8, 23-30.	3.5	430
11	Structurally Distinct Membrane Nanotubes between Human Macrophages Support Long-Distance Vesicular Traffic or Surfing of Bacteria. <i>Journal of Immunology</i> , 2006, 177, 8476-8483.	0.4	422
12	The mammalian Rab family of small GTPases: definition of family and subfamily sequence motifs suggests a mechanism for functional specificity in the Ras superfamily 1 Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 2000, 301, 1077-1087.	2.0	411
13	The melanosome: membrane dynamics in black and white. <i>Nature Reviews Molecular Cell Biology</i> , 2001, 2, 738-748.	16.1	387
14	Protein farnesyltransferase and geranylgeranyltransferase share a common $\hat{\pm}$ subunit. <i>Cell</i> , 1991, 65, 429-434.	13.5	377
15	Rab27a Is Required for Regulated Secretion in Cytotoxic T Lymphocytes. <i>Journal of Cell Biology</i> , 2001, 152, 825-834.	2.3	372
16	Retinal degeneration in choroideremia: deficiency of rab geranylgeranyl transferase. <i>Science</i> , 1993, 259, 377-381.	6.0	330
17	cDNA cloning of component A of Rab geranylgeranyl transferase and demonstration of its role as a Rab escort protein. <i>Cell</i> , 1993, 73, 1091-1099.	13.5	325
18	GTPase activity of Rab5 acts as a timer for endocytic membrane fusion. <i>Nature</i> , 1996, 383, 266-269.	13.7	317

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19	Rab27a Regulates the Peripheral Distribution of Melanosomes in Melanocytes. <i>Journal of Cell Biology</i> , 2001, 152, 795-808.	2.3	303
20	Purification of component A of Rab geranylgeranyl transferase: Possible identity with the choroideremia gene product. <i>Cell</i> , 1992, 70, 1049-1057.	13.5	295
21	A Family of Rab27-binding Proteins. <i>Journal of Biological Chemistry</i> , 2002, 277, 25423-25430.	1.6	286
22	Controlling the location and activation of Rab GTPases. <i>Current Opinion in Cell Biology</i> , 2004, 16, 451-457.	2.6	253
23	Rab38 and Rab32 control post-Golgi trafficking of melanogenic enzymes. <i>Journal of Cell Biology</i> , 2006, 175, 271-281.	2.3	251
24	Membrane Association and Targeting of Prenylated Ras-like GTPases. <i>Cellular Signalling</i> , 1998, 10, 167-172.	1.7	235
25	Rab27a regulates phagosomal pH and NADPH oxidase recruitment to dendritic cell phagosomes. <i>Nature Cell Biology</i> , 2007, 9, 367-378.	4.6	222
26	Thematic review series: Lipid Posttranslational Modifications. Geranylgeranylation of Rab GTPases. <i>Journal of Lipid Research</i> , 2006, 47, 467-475.	2.0	209
27	Rab escort protein-1 is a multifunctional protein that accompanies newly prenylated rab proteins to their target membranes.. <i>EMBO Journal</i> , 1994, 13, 5262-5273.	3.5	205
28	Melanosomes at a glance. <i>Journal of Cell Science</i> , 2008, 121, 3995-3999.	1.2	202
29	Effect of the Secretory Small GTPase Rab27B on Breast Cancer Growth, Invasion, and Metastasis. <i>Journal of the National Cancer Institute</i> , 2010, 102, 866-880.	3.0	196
30	Deficient Geranylgeranylation of Ram/Rab27 in Choroideremia. <i>Journal of Biological Chemistry</i> , 1995, 270, 24420-24427.	1.6	193
31	Visual Acuity after Retinal Gene Therapy for Choroideremia. <i>New England Journal of Medicine</i> , 2016, 374, 1996-1998.	13.9	185
32	Thousands of Rab GTPases for the Cell Biologist. <i>PLoS Computational Biology</i> , 2011, 7, e1002217.	1.5	173
33	Rab GTPases and Myosin Motors in Organelle Motility. <i>Traffic</i> , 2004, 5, 393-399.	1.3	168
34	Rab geranylgeranyl transferase alpha mutation in the gunmetal mouse reduces Rab prenylation and platelet synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 4144-4149.	3.3	160
35	Rab27b regulates number and secretion of platelet dense granules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5872-5877.	3.3	160
36	Identification of a Novel Phosphonocarboxylate Inhibitor of Rab Geranylgeranyl Transferase That Specifically Prevents Rab Prenylation in Osteoclasts and Macrophages. <i>Journal of Biological Chemistry</i> , 2001, 276, 48213-48222.	1.6	153

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37	Prenylation of Rab GTPases: molecular mechanisms and involvement in genetic disease. <i>FEBS Letters</i> , 2001, 498, 197-200.	1.3	149
38	A General Role for Rab27a in Secretory Cells. <i>Molecular Biology of the Cell</i> , 2004, 15, 332-344.	0.9	147
39	Isoprenylcysteine Carboxyl Methyltransferase Deficiency in Mice. <i>Journal of Biological Chemistry</i> , 2001, 276, 5841-5845.	1.6	146
40	Functional redundancy of Rab27 proteins and the pathogenesis of Griscelli syndrome. <i>Journal of Clinical Investigation</i> , 2002, 110, 247-257.	3.9	141
41	The leaden Gene Product Is Required with Rab27a to Recruit Myosin Va to Melanosomes in Melanocytes. <i>Traffic</i> , 2002, 3, 193-202.	1.3	140
42	Beneficial effects on vision in patients undergoing retinal gene therapy for choroideremia. <i>Nature Medicine</i> , 2018, 24, 1507-1512.	15.2	140
43	Membrane Targeting of Rab GTPases Is Influenced by the Prenylation Motif. <i>Molecular Biology of the Cell</i> , 2003, 14, 1882-1899.	0.9	137
44	Rab geranylgeranyl transferase catalyzes the geranylgeranylation of adjacent cysteines in the small GTPases Rab1A, Rab3A, and Rab5A.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 11963-11967.	3.3	136
45	Two-Year Results After AAV2-Mediated Gene Therapy for Choroideremia: The Alberta Experience. <i>American Journal of Ophthalmology</i> , 2018, 193, 130-142.	1.7	133
46	Expression of the VLDL Receptor in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1996, 16, 407-415.	1.1	120
47	Independent degeneration of photoreceptors and retinal pigment epithelium in conditional knockout mouse models of choroideremia. <i>Journal of Clinical Investigation</i> , 2006, 116, 386-394.	3.9	116
48	The Melanosome as a Model to Study Organelle Motility in Mammals. <i>Pigment Cell & Melanoma Research</i> , 2004, 17, 111-118.	4.0	110
49	Crystal structure of Rab geranylgeranyltransferase at 2.0 Å... resolution. <i>Structure</i> , 2000, 8, 241-251.	1.6	109
50	Protein prenyltransferases. <i>Genome Biology</i> , 2003, 4, 212.	13.9	106
51	Fatty acylation and prenylation of proteins: what's hot in fat. <i>Current Opinion in Cell Biology</i> , 2005, 17, 190-196.	2.6	105
52	Multiple regions contribute to membrane targeting of Rab GTPases. <i>Journal of Cell Science</i> , 2004, 117, 6401-6412.	1.2	100
53	Rod disc renewal occurs by evagination of the ciliary plasma membrane that makes cadherin-based contacts with the inner segment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15922-15927.	3.3	98
54	The Role of Rab27a in the Regulation of Melanosome Distribution within Retinal Pigment Epithelial Cells. <i>Molecular Biology of the Cell</i> , 2004, 15, 2264-2275.	0.9	97

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55	Rab GTPases Containing a CAAX Motif Are Processed Post-geranylgeranylation by Proteolysis and Methylation. <i>Journal of Biological Chemistry</i> , 2007, 282, 1487-1497.	1.6	97
56	Rab11b Mediates Melanin Transfer between Donor Melanocytes and Acceptor Keratinocytes via Coupled Exo/Endocytosis. <i>Journal of Investigative Dermatology</i> , 2014, 134, 1056-1066.	0.3	97
57	Evaluation of retinal photoreceptors and pigment epithelium in a female carrier of choroideremia. <i>Ophthalmology</i> , 2001, 108, 711-720.	2.5	95
58	Rab27a and MyoVa are the primary Mlph interactors regulating melanosome transport in melanocytes. <i>Journal of Cell Science</i> , 2007, 120, 3111-3122.	1.2	93
59	Rab27b Regulates Mast Cell Granule Dynamics and Secretion. <i>Traffic</i> , 2007, 8, 883-892.	1.3	92
60	Mechanism of Digeranylgeranylation of Rab Proteins. <i>Journal of Biological Chemistry</i> , 1996, 271, 3692-3698.	1.6	91
61	Weibel-Palade bodies recruit Rab27 by a content-driven, maturation-dependent mechanism that is independent of cell type. <i>Journal of Cell Science</i> , 2003, 116, 3939-3948.	1.2	91
62	Phosphonocarboxylate inhibitors of Rab geranylgeranyl transferase disrupt the prenylation and membrane localization of Rab proteins in osteoclasts in vitro and in vivo. <i>Bone</i> , 2005, 37, 349-358.	1.4	91
63	Armus Is a Rac1 Effector that Inactivates Rab7 and Regulates E-Cadherin Degradation. <i>Current Biology</i> , 2010, 20, 198-208.	1.8	91
64	A practical diagnostic test for choroideremia. <i>Ophthalmology</i> , 1998, 105, 1637-1640.	2.5	89
65	A role for Rab27b in NF-E2-dependent pathways of platelet formation. <i>Blood</i> , 2003, 102, 3970-3979.	0.6	89
66	Rab27a and MyRIP regulate the amount and multimeric state of VWF released from endothelial cells. <i>Blood</i> , 2009, 113, 5010-5018.	0.6	89
67	Rab27a and Rab27b Regulate Neutrophil Azurophilic Granule Exocytosis and NADPH oxidase Activity by Independent Mechanisms. <i>Traffic</i> , 2010, 11, 533-547.	1.3	89
68	Melanosome Maturation Defect in Rab38-deficient Retinal Pigment Epithelium Results in Instability of Immature Melanosomes during Transient Melanogenesis. <i>Molecular Biology of the Cell</i> , 2007, 18, 3914-3927.	0.9	85
69	A Coiled-Coil Domain of Melanophilin Is Essential for Myosin Va Recruitment and Melanosome Transport in Melanocytes. <i>Molecular Biology of the Cell</i> , 2006, 17, 4720-4735.	0.9	83
70	Mechanism of Rab Geranylgeranylation:Â Formation of the Catalytic Ternary Complexâ€. <i>Biochemistry</i> , 1998, 37, 12559-12568.	1.2	81
71	The Ternary Rab27a-Myrip-Myosin VIIa Complex Regulates Melanosome Motility in the Retinal Pigment Epithelium. <i>Traffic</i> , 2007, 8, 486-499.	1.3	81
72	Functional expression of Rab escort protein 1 following AAV2-mediated gene delivery in the retina of choroideremia mice and human cells ex vivo. <i>Journal of Molecular Medicine</i> , 2013, 91, 825-837.	1.7	81

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73	Dual chemical probes enable quantitative system-wide analysis of protein prenylation and prenylation dynamics. <i>Nature Chemistry</i> , 2019, 11, 552-561.	6.6	80
74	Retinal Pigment Epithelium Defects Accelerate Photoreceptor Degeneration in Cell Type-Specific Knockout Mouse Models of Choroideremia. , 2010, 51, 4913.		78
75	Apolipoprotein(a) kringle 4-containing fragments in human urine. Relationship to plasma levels of lipoprotein(a).. <i>Journal of Clinical Investigation</i> , 1996, 97, 858-864.	3.9	78
76	Melanosomes on the move: a model to understand organelle dynamics. <i>Biochemical Society Transactions</i> , 2011, 39, 1191-1196.	1.6	75
77	Targeting of Rab GTPases to cellular membranes. <i>Biochemical Society Transactions</i> , 2005, 33, 652-656.	1.6	74
78	Rab27-Dependent Exosome Production Inhibits Chronic Inflammation and Enables Acute Responses to Inflammatory Stimuli. <i>Journal of Immunology</i> , 2017, 199, 3559-3570.	0.4	74
79	Novel functions for Rab GTPases in multiple aspects of tumour progression. <i>Biochemical Society Transactions</i> , 2012, 40, 1398-1403.	1.6	72
80	Functional redundancy of Rab27 proteins and the pathogenesis of Griscelli syndrome. <i>Journal of Clinical Investigation</i> , 2002, 110, 247-257.	3.9	72
81	Multiple Factors Contribute to Inefficient Prenylation of Rab27a in Rab Prenylation Diseases. <i>Journal of Biological Chemistry</i> , 2003, 278, 46798-46804.	1.6	65
82	Myosin Va Acts in Concert with Rab27a and MyRIP to Regulate Acute Von Willebrand Factor Release from Endothelial Cells. <i>Traffic</i> , 2011, 12, 1371-1382.	1.3	64
83	Geranylgeranylated Rab proteins terminating in Cys-Ala-Cys, but not Cys-Cys, are carboxyl-methylated by bovine brain membranes in vitro.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 10712-10716.	3.3	63
84	Translational bypass of nonsense mutations in zebrafish <i>rep1</i> , <i>pax2.1</i> and <i>lamb1</i> highlights a viable therapeutic option for untreatable genetic eye disease. <i>Human Molecular Genetics</i> , 2008, 17, 3987-4000.	1.4	63
85	ER-associated protein degradation is a common mechanism underpinning numerous monogenic diseases including Robinow syndrome. <i>Human Molecular Genetics</i> , 2005, 14, 2559-2569.	1.4	61
86	Host cell autophagy contributes to <i>Plasmodium</i> liver development. <i>Cellular Microbiology</i> , 2016, 18, 437-450.	1.1	60
87	New insights into the pathogenesis of choroideremia: a tale of two REPs. <i>Ophthalmic Genetics</i> , 1996, 17, 43-46.	0.5	59
88	Cytotoxic Activity of Metal Complexes of Biogenic Polyamines: Polynuclear Platinum(II) Chelates. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 2917-2925.	2.9	59
89	Distinct and opposing roles for Rab27a and Rab27b in mast cell secretion. <i>FEBS Journal</i> , 2013, 280, 892-903.	2.2	58
90	Synthesis, Chiral High Performance Liquid Chromatographic Resolution and Enantiospecific Activity of a Potent New Geranylgeranyl Transferase Inhibitor, 2-Hydroxy-3-imidazo[1,2-a]pyridin-3-yl-2-phosphonopropionic Acid. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 3454-3464.	2.9	57

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91	PtdIns3P and Rac direct the assembly of the NADPH oxidase on a novel, pre-phagosomal compartment during FcR-mediated phagocytosis in primary mouse neutrophils. <i>Blood</i> , 2010, 116, 4978-4989.	0.6	55
92	The Host Endocytic Pathway is Essential for <i>Plasmodium berghei</i> Late Liver Stage Development. <i>Traffic</i> , 2012, 13, 1351-1363.	1.3	55
93	Rab3GEP Is the Non-redundant Guanine Nucleotide Exchange Factor for Rab27a in Melanocytes. <i>Journal of Biological Chemistry</i> , 2008, 283, 23209-23216.	1.6	54
94	Melanin Transfer in the Epidermis: The Pursuit of Skin Pigmentation Control Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4466.	1.8	52
95	Melanin Transferred to Keratinocytes Resides in Nondegradative Endocytic Compartments. <i>Journal of Investigative Dermatology</i> , 2018, 138, 637-646.	0.3	51
96	Geranylgeranylation of Rab proteins. <i>Biochemical Society Transactions</i> , 1996, 24, 699-703.	1.6	50
97	Conditional Ablation of the Choroideremia Gene Causes Age-Related Changes in Mouse Retinal Pigment Epithelium. <i>PLoS ONE</i> , 2013, 8, e57769.	1.1	50
98	Phosphonocarboxylates Inhibit the Second Geranylgeranyl Addition by Rab Geranylgeranyl Transferase. <i>Journal of Biological Chemistry</i> , 2009, 284, 6861-6868.	1.6	49
99	Rapid Multilabel Detection of Geranylgeranylated Proteins by Using Bioorthogonal Ligation Chemistry. <i>ChemBioChem</i> , 2010, 11, 771-773.	1.3	48
100	Rab and Arf Proteins in Genetic Diseases. <i>Traffic</i> , 2013, 14, 871-885.	1.3	48
101	Regulation of melanosome number, shape and movement in the zebrafish retinal pigment epithelium by OA1 and PMEL. <i>Journal of Cell Science</i> , 2015, 128, 1400-1407.	1.2	48
102	Age-Related Macular Degeneration: Pathophysiology, Management, and Future Perspectives. <i>Ophthalmologica</i> , 2021, 244, 495-511.	1.0	48
103	Nucleotide Dependence of Rab Geranylgeranylation. <i>Journal of Biological Chemistry</i> , 1996, 271, 14398-14404.	1.6	47
104	Gene therapy for choroideremia: in vitro rescue mediated by recombinant adenovirus. <i>Vision Research</i> , 2003, 43, 919-926.	0.7	47
105	Transfer of extracellular vesicle microRNA controls germinal center reaction and antibody production. <i>EMBO Reports</i> , 2020, 21, e48925.	2.0	46
106	The Rab27a-binding protein, JFC1, regulates androgen-dependent secretion of prostate-specific antigen and prostatic-specific acid phosphatase1. <i>Biochemical Journal</i> , 2005, 391, 699-710.	1.7	43
107	Chromosomal mapping, gene structure and characterization of the human and murine RAB27B gene. <i>BMC Genetics</i> , 2001, 2, 2.	2.7	41
108	CHM/REP1 cDNA delivery by lentiviral vectors provides functional expression of the transgene in the retinal pigment epithelium of choroideremia mice. <i>Journal of Gene Medicine</i> , 2012, 14, 158-168.	1.4	41

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109	Cloning, mapping and characterization of the human RAB27A gene. <i>Gene</i> , 1999, 239, 109-116.	1.0	39
110	Rab27b is Up-Regulated in Human Griscelli Syndrome Type II Melanocytes and Linked to the Actin Cytoskeleton via Exon F-Myosin Va Transcripts. <i>Pigment Cell & Melanoma Research</i> , 2004, 17, 498-505.	4.0	39
111	Clinical utility gene card for: Choroideremia. <i>European Journal of Human Genetics</i> , 2014, 22, 572-572.	1.4	37
112	Current methods to analyze lysosome morphology, positioning, motility and function. <i>Traffic</i> , 2022, 23, 238-269.	1.3	37
113	Defective cellular trafficking of missense NPR-B mutants is the major mechanism underlying acromesomelic dysplasia-type Maroteaux. <i>Human Molecular Genetics</i> , 2008, 18, 267-277.	1.4	36
114	Phagosome maturation during endosome interaction revealed by partial rhodopsin processing in retinal pigment epithelium. <i>Journal of Cell Science</i> , 2014, 127, 3852-61.	1.2	36
115	The secretory small GTPase Rab27B as a marker for breast cancer progression. <i>Oncotarget</i> , 2010, 1, 304-308.	0.8	36
116	Single <i>choroideremia</i> Gene in Nonmammalian Vertebrates Explains Early Embryonic Lethality of the Zebrafish Model of Choroideremia. , 2009, 50, 3009.		35
117	Purification of ras farnesyl:Protein transferase. <i>Methods</i> , 1990, 1, 241-245.	1.9	34
118	Adeno-associated virus 8-mediated gene therapy for choroideremia: preclinical studies in in vitro and in vivo models. <i>Journal of Gene Medicine</i> , 2014, 16, 122-130.	1.4	31
119	Photoreceptor phagosome processing defects and disturbed autophagy in retinal pigment epithelium of <i>Cln3^{ex1-6}</i> mice modelling juvenile neuronal ceroid lipofuscinosis (Batten) Tj ETQq1 1 0.784314 rgBT / Overlock 1		
120	A novel statin-mediated prenylation block-and-release assay provides insight into the membrane targeting mechanisms of small GTPases. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 34-41.	1.0	29
121	The secretory small GTPase Rab27B as a marker for breast cancer progression. <i>Oncotarget</i> , 2010, 1, 304-8.	0.8	29
122	[5] Preparation of recombinant Rab geranylgeranyltransferase and Rab escort proteins. <i>Methods in Enzymology</i> , 1995, 257, 30-41.	0.4	28
123	Are prenyl groups on proteins sticky fingers or greasy handles?. <i>Biochemical Journal</i> , 2003, 376, e3-e4.	1.7	27
124	Synthesis, stereochemistry and SAR of a series of minodronate analogues as RGGT inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 4820-4826.	2.6	26
125	Impaired prenylation of Rab GTPases in the <i>gunmetal</i> mouse causes defects in bone cell function. <i>Small GTPases</i> , 2011, 2, 131-142.	0.7	26
126	Symmetric arrangement of mitochondria:plasma membrane contacts between adjacent photoreceptor cells regulated by Opa1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15684-15693.	3.3	26

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127	Rab27b regulates exocytosis of secretory vesicles in acinar epithelial cells from the lacrimal gland. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C507-C521.	2.1	25
128	Expression of OA1 limits the fusion of a subset of MVBs with lysosomes; a mechanism likely involved in the initial biogenesis of melanosomes. <i>Journal of Cell Science</i> , 2013, 126, 5143-52.	1.2	25
129	The exocyst is required for melanin exocytosis from melanocytes and transfer to keratinocytes. <i>Pigment Cell and Melanoma Research</i> , 2020, 33, 366-371.	1.5	25
130	Prenylation Assays for Small GTPases. , 1998, 84, 251-260.		24
131	Rab27a Targeting to Melanosomes Requires Nucleotide Exchange but Not Effector Binding. <i>Traffic</i> , 2011, 12, 1056-1066.	1.3	24
132	Sequential and compartmentalized action of Rabs, SNAREs, and MAL in the apical delivery of fusiform vesicles in urothelial umbrella cells. <i>Molecular Biology of the Cell</i> , 2016, 27, 1621-1634.	0.9	24
133	Rab geranylgeranylation occurs preferentially via the pre-formed REPâ€“RGGT complex and is regulated by geranylgeranyl pyrophosphate. <i>Biochemical Journal</i> , 2008, 415, 67-75.	1.7	23
134	Myrip uses distinct domains in the cellular activation of myosin VA and myosin VIIA in melanosome transport. <i>Pigment Cell and Melanoma Research</i> , 2009, 22, 461-473.	1.5	23
135	An essential role for Rab27a GTPase in eosinophil exocytosis. <i>Journal of Leukocyte Biology</i> , 2013, 94, 1265-1274.	1.5	23
136	A role for Rab27 in neutrophil chemotaxis and lung recruitment. <i>BMC Cell Biology</i> , 2014, 15, 39.	3.0	23
137	Rapid degradation of dominant-negative Rab27 proteins in vivo precludes their use in transgenic mouse models. <i>BMC Cell Biology</i> , 2002, 3, 26.	3.0	21
138	Host PI(3,5)P₂ Activity Is Required for <i>Plasmodium berghei</i> Growth During Liver Stage Infection. <i>Traffic</i> , 2014, 15, 1066-1082.	1.3	21
139	Rab27a mediated protease release regulates neutrophil recruitment by allowing uropod detachment.. <i>Journal of Cell Science</i> , 2012, 125, 1652-6.	1.2	19
140	Single prenyl-binding site on protein prenyl transferases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 12266-12270.	3.3	18
141	Structural determinants of Rab and Rab Escort Protein interaction: Rab family motifs define a conserved binding surface. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 92-97.	1.0	18
142	Bacteria and Protozoa Differentially Modulate the Expression of Rab Proteins. <i>PLoS ONE</i> , 2012, 7, e39858.	1.1	17
143	cDNA Cloning and Chromosomal Localization of the Genes Encoding the Î±- and Î²-Subunits of Human Rab Geranylgeranyl Transferase: The 3â€™ End of the Î±-Subunit Gene Overlaps with the Transglutaminase 1 Gene Promoter. <i>Genomics</i> , 1996, 38, 133-140.	1.3	14
144	Semiâ€“Automated Analysis of Organelle Movement and Membrane Content: Understanding Rabâ€“Motor Complex Transport Function. <i>Traffic</i> , 2011, 12, 1686-1701.	1.3	14

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145	Loss of Rab27 function results in abnormal lung epithelium structure in mice. American Journal of Physiology - Cell Physiology, 2011, 300, C466-C476.	2.1	14
146	Rab GTPase regulation of bacteria and protozoa phagocytosis occurs through the modulation of phagocytic receptor surface expression. Scientific Reports, 2018, 8, 12998.	1.6	13
147	Rab27a and melanosomes: a model to investigate the membrane targeting of Rabs. Biochemical Society Transactions, 2012, 40, 1383-1388.	1.6	12
148	Remodeling of the Basal Labyrinth of Retinal Pigment Epithelial Cells With Osmotic Challenge, Age, and Disease. , 2019, 60, 2515.		12
149	Rab1a and Rab5a preferentially bind to binary lipid compositions with higher stored curvature elastic energy. Molecular Membrane Biology, 2013, 30, 303-314.	2.0	11
150	Reconstructed human pigmented skin/epidermis models achieve epidermal pigmentation through melanocore transfer. Pigment Cell and Melanoma Research, 2022, 35, 425-435.	1.5	11
151	Rab27a GTPase modulates L-type Ca ²⁺ channel function via interaction with the II ^{III} linker of Ca V 1.3 subunit. Cellular Signalling, 2015, 27, 2231-2240.	1.7	10
152	Rab27a Contributes to the Processing of Inflammatory Pain in Mice. Cells, 2020, 9, 1488.	1.8	10
153	Melanocore uptake by keratinocytes occurs through phagocytosis and involves protease-activated receptor-2 internalization. Traffic, 2022, 23, 331-345.	1.3	10
154	Macular Vascular Imaging and Connectivity Analysis Using High-Resolution Optical Coherence Tomography. Translational Vision Science and Technology, 2022, 11, 2.	1.1	10
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