

Miguel C Seabra

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169
papers

18,255
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69
h-index

134
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184
ext. papers

20,114
ext. citations

9.3
avg, IF

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L-index

#	Paper	IF	Citations
169	Rab27a and Rab27b control different steps of the exosome secretion pathway. <i>Nature Cell Biology</i> , 2010 , 12, 19-30; sup pp 1-13	23.4	1505
168	Inhibition of purified p21ras farnesyl:protein transferase by Cys-AAX tetrapeptides. <i>Cell</i> , 1990 , 62, 81-8	56.2	774
167	NOX2 controls phagosomal pH to regulate antigen processing during crosspresentation by dendritic cells. <i>Cell</i> , 2006 , 126, 205-18	56.2	633
166	Evolution of the Rab family of small GTP-binding proteins. <i>Journal of Molecular Biology</i> , 2001 , 313, 889-903	56.2	626
165	Protein prenyltransferases. <i>Journal of Biological Chemistry</i> , 1996 , 271, 5289-92	5.4	624
164	Retinal gene therapy in patients with choroideremia: initial findings from a phase 1/2 clinical trial. <i>Lancet, The</i> , 2014 , 383, 1129-37	40	570
163	Exosome-delivered microRNAs modulate the inflammatory response to endotoxin. <i>Nature Communications</i> , 2015 , 6, 7321	17.4	447
162	Rab27a supports exosome-dependent and -independent mechanisms that modify the tumor microenvironment and can promote tumor progression. <i>Cancer Research</i> , 2012 , 72, 4920-30	10.1	404
161	Rab GTPases, intracellular traffic and disease. <i>Trends in Molecular Medicine</i> , 2002 , 8, 23-30	11.5	389
160	The mammalian Rab family of small GTPases: definition of family and subfamily sequence motifs suggests a mechanism for functional specificity in the Ras superfamily. <i>Journal of Molecular Biology</i> , 2000 , 301, 1077-87	6.5	375
159	Protein farnesyltransferase and geranylgeranyltransferase share a common alpha subunit. <i>Cell</i> , 1991 , 65, 429-34	56.2	354
158	Rab27a is required for regulated secretion in cytotoxic T lymphocytes. <i>Journal of Cell Biology</i> , 2001 , 152, 825-34	7.3	338
157	Structurally distinct membrane nanotubes between human macrophages support long-distance vesicular traffic or surfing of bacteria. <i>Journal of Immunology</i> , 2006 , 177, 8476-83	5.3	337
156	The melanosome: membrane dynamics in black and white. <i>Nature Reviews Molecular Cell Biology</i> , 2001 , 2, 738-48	48.7	337
155	MicroRNA-containing T-regulatory-cell-derived exosomes suppress pathogenic T helper 1 cells. <i>Immunity</i> , 2014 , 41, 89-103	32.3	320
154	Retinal degeneration in choroideremia: deficiency of rab geranylgeranyl transferase. <i>Science</i> , 1993 , 259, 377-81	33.3	298
153	GTPase activity of Rab5 acts as a timer for endocytic membrane fusion. <i>Nature</i> , 1996 , 383, 266-9	50.4	294

152	cDNA cloning of component A of Rab geranylgeranyl transferase and demonstration of its role as a Rab escort protein. <i>Cell</i> , 1993 , 73, 1091-9	56.2	292
151	Rab27a regulates the peripheral distribution of melanosomes in melanocytes. <i>Journal of Cell Biology</i> , 2001 , 152, 795-808	7.3	283
150	Purification of component A of Rab geranylgeranyl transferase: possible identity with the choroideremia gene product. <i>Cell</i> , 1992 , 70, 1049-57	56.2	272
149	A family of Rab27-binding proteins. Melanophilin links Rab27a and myosin Va function in melanosome transport. <i>Journal of Biological Chemistry</i> , 2002 , 277, 25423-30	5.4	260
148	Controlling the location and activation of Rab GTPases. <i>Current Opinion in Cell Biology</i> , 2004 , 16, 451-7	9	232
147	Membrane association and targeting of prenylated Ras-like GTPases. <i>Cellular Signalling</i> , 1998 , 10, 167-74.	9	215
146	Rab38 and Rab32 control post-Golgi trafficking of melanogenic enzymes. <i>Journal of Cell Biology</i> , 2006 , 175, 271-81	7.3	212
145	Rab27a regulates phagosomal pH and NADPH oxidase recruitment to dendritic cell phagosomes. <i>Nature Cell Biology</i> , 2007 , 9, 367-78	23.4	185
144	Thematic review series: lipid posttranslational modifications. geranylgeranylation of Rab GTPases. <i>Journal of Lipid Research</i> , 2006 , 47, 467-75	6.3	176
143	Effect of the secretory small GTPase Rab27B on breast cancer growth, invasion, and metastasis. <i>Journal of the National Cancer Institute</i> , 2010 , 102, 866-80	9.7	172
142	Deficient geranylgeranylation of Ram/Rab27 in choroideremia. <i>Journal of Biological Chemistry</i> , 1995 , 270, 24420-7	5.4	172
141	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	13	165
140	Melanosomes at a glance. <i>Journal of Cell Science</i> , 2008 , 121, 3995-9	5.3	164
139	Rab GTPases and myosin motors in organelle motility. <i>Traffic</i> , 2004 , 5, 393-9	5.7	154
138	Visual Acuity after Retinal Gene Therapy for Choroideremia. <i>New England Journal of Medicine</i> , 2016 , 374, 1996-8	59.2	151
137	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, 4144-9	11.5	147
136	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, 5872-7	11.5	141
135	A general role for Rab27a in secretory cells. <i>Molecular Biology of the Cell</i> , 2004 , 15, 332-44	3.5	139

134	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, 48213-22	5.4	137
133	Isoprenylcysteine carboxyl methyltransferase deficiency in mice. <i>Journal of Biological Chemistry</i> , 2001 , 276, 5841-5	5.4	137
132	Thousands of rab GTPases for the cell biologist. <i>PLoS Computational Biology</i> , 2011 , 7, e1002217	5	136
131	Prenylation of Rab GTPases: molecular mechanisms and involvement in genetic disease. <i>FEBS Letters</i> , 2001 , 498, 197-200	3.8	132
130	Functional redundancy of Rab27 proteins and the pathogenesis of Griscelli syndrome. <i>Journal of Clinical Investigation</i> , 2002 , 110, 247-257	15.9	132
129	The leaden gene product is required with Rab27a to recruit myosin Va to melanosomes in melanocytes. <i>Traffic</i> , 2002 , 3, 193-202	5.7	128
128	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, 11963-7	11.5	123
127	Membrane targeting of Rab GTPases is influenced by the prenylation motif. <i>Molecular Biology of the Cell</i> , 2003 , 14, 1882-99	3.5	117
126	Expression of the VLDL receptor in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1996 , 16, 407-15	9.4	111
125	Beneficial effects on vision in patients undergoing retinal gene therapy for choroideremia. <i>Nature Medicine</i> , 2018 , 24, 1507-1512	50.5	108
124	Fatty acylation and prenylation of proteins: what's hot in fat. <i>Current Opinion in Cell Biology</i> , 2005 , 17, 190-6	9	100
123	Crystal structure of Rab geranylgeranyltransferase at 2.0 Å resolution. <i>Structure</i> , 2000 , 8, 241-51	5.2	98
122	Protein prenyltransferases. <i>Genome Biology</i> , 2003 , 4, 212	18.3	94
121	Multiple regions contribute to membrane targeting of Rab GTPases. <i>Journal of Cell Science</i> , 2004 , 117, 6401-12	5.3	93
120	The melanosome as a model to study organelle motility in mammals. <i>Pigment Cell & Melanoma Research</i> , 2004 , 17, 111-8		92
119	Independent degeneration of photoreceptors and retinal pigment epithelium in conditional knockout mouse models of choroideremia. <i>Journal of Clinical Investigation</i> , 2006 , 116, 386-94	15.9	91
118	Two-Year Results After AAV2-Mediated Gene Therapy for Choroideremia: The Alberta Experience. <i>American Journal of Ophthalmology</i> , 2018 , 193, 130-142	4.9	91
117	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, 349-58	4.7	88

116	Mechanism of digeranylgeranylation of Rab proteins. Formation of a complex between monogeranylgeranyl-Rab and Rab escort protein. <i>Journal of Biological Chemistry</i> , 1996 , 271, 3692-8	5.4	85
115	Rab27b regulates mast cell granule dynamics and secretion. <i>Traffic</i> , 2007 , 8, 883-92	5.7	83
114	Arms is a Rac1 effector that inactivates Rab7 and regulates E-cadherin degradation. <i>Current Biology</i> , 2010 , 20, 198-208	6.3	82
113	The role of Rab27a in the regulation of melanosome distribution within retinal pigment epithelial cells. <i>Molecular Biology of the Cell</i> , 2004 , 15, 2264-75	3.5	82
112	A role for Rab27b in NF-E2-dependent pathways of platelet formation. <i>Blood</i> , 2003 , 102, 3970-9	2.2	81
111	Rab27a and Rab27b regulate neutrophil azurophilic granule exocytosis and NADPH oxidase activity by independent mechanisms. <i>Traffic</i> , 2010 , 11, 533-47	5.7	80
110	A practical diagnostic test for choroideremia. <i>Ophthalmology</i> , 1998 , 105, 1637-40	7.3	80
109	Evaluation of retinal photoreceptors and pigment epithelium in a female carrier of choroideremia. <i>Ophthalmology</i> , 2001 , 108, 711-20	7.3	78
108	Functional redundancy of Rab27 proteins and the pathogenesis of Griscelli syndrome. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1213-1213	15.9	78
107	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, 3939-48	5.3	77
106	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, 3914-27	3.5	76
105	Rab GTPases containing a CAAX motif are processed post-geranylgeranylation by proteolysis and methylation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 1487-97	5.4	75
104	The ternary Rab27a-Myrip-Myosin VIIa complex regulates melanosome motility in the retinal pigment epithelium. <i>Traffic</i> , 2007 , 8, 486-99	5.7	74
103	Rab11b mediates melanin transfer between donor melanocytes and acceptor keratinocytes via coupled exo/endocytosis. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 1056-1066	4.3	70
102	Rab27a and MyRIP regulate the amount and multimeric state of VWF released from endothelial cells. <i>Blood</i> , 2009 , 113, 5010-8	2.2	69
101	Rab27a and MyoVa are the primary Mlph interactors regulating melanosome transport in melanocytes. <i>Journal of Cell Science</i> , 2007 , 120, 3111-22	5.3	69
100	Mechanism of Rab geranylgeranylation: formation of the catalytic ternary complex. <i>Biochemistry</i> , 1998 , 37, 12559-68	3.2	69
99	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, 825-37	5.5	68

98	Retinal pigment epithelium defects accelerate photoreceptor degeneration in cell type-specific knockout mouse models of choroideremia 2010 , 51, 4913-20		68
97	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, 4720-35	3.5	68
96	Novel functions for Rab GTPases in multiple aspects of tumour progression. <i>Biochemical Society Transactions</i> , 2012 , 40, 1398-403	5.1	65
95	Apolipoprotein(a) kringle 4-containing fragments in human urine. Relationship to plasma levels of lipoprotein(a). <i>Journal of Clinical Investigation</i> , 1996 , 97, 858-64	15.9	64
94	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, 15922-7	11.5	63
93	Targeting of Rab GTPases to cellular membranes. <i>Biochemical Society Transactions</i> , 2005 , 33, 652-6	5.1	63
92	Melanosomes on the move: a model to understand organelle dynamics. <i>Biochemical Society Transactions</i> , 2011 , 39, 1191-6	5.1	61
91	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, 10712-6	11.5	61
90	Functional redundancy of Rab27 proteins and the pathogenesis of Griscelli syndrome. <i>Journal of Clinical Investigation</i> , 2002 , 110, 247-57	15.9	61
89	Multiple factors contribute to inefficient prenylation of Rab27a in Rab prenylation diseases. <i>Journal of Biological Chemistry</i> , 2003 , 278, 46798-804	5.4	60
88	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, 3454-64	8.3	56
87	Translational bypass of nonsense mutations in zebrafish rep1, pax2.1 and lamb1 highlights a viable therapeutic option for untreatable genetic eye disease. <i>Human Molecular Genetics</i> , 2008 , 17, 3987-4000	5.6	56
86	Cytotoxic activity of metal complexes of biogenic polyamines: polynuclear platinum(II) chelates. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 2917-25	8.3	55
85	Rab27-Dependent Exosome Production Inhibits Chronic Inflammation and Enables Acute Responses to Inflammatory Stimuli. <i>Journal of Immunology</i> , 2017 , 199, 3559-3570	5.3	53
84	Myosin Va acts in concert with Rab27a and MyRIP to regulate acute von-Willebrand factor release from endothelial cells. <i>Traffic</i> , 2011 , 12, 1371-82	5.7	53
83	ER-associated protein degradation is a common mechanism underpinning numerous monogenic diseases including Robinow syndrome. <i>Human Molecular Genetics</i> , 2005 , 14, 2559-69	5.6	53
82	Rab3GEP is the non-redundant guanine nucleotide exchange factor for Rab27a in melanocytes. <i>Journal of Biological Chemistry</i> , 2008 , 283, 23209-16	5.4	49
81	Phosphonocarboxylates inhibit the second geranylgeranyl addition by Rab geranylgeranyl transferase. <i>Journal of Biological Chemistry</i> , 2009 , 284, 6861-8	5.4	48

80	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, 4978-89 ²		48
79	Rapid multilabel detection of geranylgeranylated proteins by using bioorthogonal ligation chemistry. <i>ChemBioChem</i> , 2010 , 11, 771-3	3.8	46
78	Geranylgeranylation of Rab proteins. <i>Biochemical Society Transactions</i> , 1996 , 24, 699-703	5.1	46
77	Host cell autophagy contributes to Plasmodium liver development. <i>Cellular Microbiology</i> , 2016 , 18, 437-50 ⁹		45
76	Gene therapy for choroideremia: in vitro rescue mediated by recombinant adenovirus. <i>Vision Research</i> , 2003 , 43, 919-26	2.1	44
75	Nucleotide dependence of Rab geranylgeranylation. Rab escort protein interacts preferentially with GDP-bound Rab. <i>Journal of Biological Chemistry</i> , 1996 , 271, 14398-404	5.4	43
74	Dual chemical probes enable quantitative system-wide analysis of protein prenylation and prenylation dynamics. <i>Nature Chemistry</i> , 2019 , 11, 552-561	17.6	42
73	Rab and Arf proteins in genetic diseases. <i>Traffic</i> , 2013 , 14, 871-85	5.7	40
72	The host endocytic pathway is essential for Plasmodium berghei late liver stage development. <i>Traffic</i> , 2012 , 13, 1351-63	5.7	39
71	Conditional ablation of the choroideremia gene causes age-related changes in mouse retinal pigment epithelium. <i>PLoS ONE</i> , 2013 , 8, e57769	3.7	38
70	Chromosomal mapping, gene structure and characterization of the human and murine RAB27B gene. <i>BMC Genetics</i> , 2001 , 2, 2	2.6	37
69	Cloning, mapping and characterization of the human RAB27A gene. <i>Gene</i> , 1999 , 239, 109-16	3.8	37
68	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		35
67	The Rab27a-binding protein, JFC1, regulates androgen-dependent secretion of prostate-specific antigen and prostatic-specific acid phosphatase. <i>Biochemical Journal</i> , 2005 , 391, 699-710	3.8	35
66	Distinct and opposing roles for Rab27a/Mlph/MyoVa and Rab27b/Munc13-4 in mast cell secretion. <i>FEBS Journal</i> , 2013 , 280, 892-903	5.7	34
65	The secretory small GTPase Rab27B as a marker for breast cancer progression. <i>Oncotarget</i> , 2010 , 1, 304-308	3.8	34
64	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, 158-68	3.5	33
63	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, 1400-7	5.3	32

62	Melanin Transferred to Keratinocytes Resides in Nondegradative Endocytic Compartments. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 637-646	4.3	32
61	Purification of ras farnesyl:Protein transferase. <i>Methods</i> , 1990 , 1, 241-245	4.6	32
60	Clinical utility gene card for: choroideremia. <i>European Journal of Human Genetics</i> , 2014 , 22,	5.3	31
59	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, 122-30	3.5	30
58	Phagosome maturation during endosome interaction revealed by partial rhodopsin processing in retinal pigment epithelium. <i>Journal of Cell Science</i> , 2014 , 127, 3852-61	5.3	28
57	Single choroideremia gene in nonmammalian vertebrates explains early embryonic lethality of the zebrafish model of choroideremia 2009 , 50, 3009-16		28
56	Photoreceptor phagosome processing defects and disturbed autophagy in retinal pigment epithelium of Cln3 ^{Bx1-6} mice modelling juvenile neuronal ceroid lipofuscinosis (Batten disease). <i>Human Molecular Genetics</i> , 2015 , 24, 7060-74	5.6	27
55	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	3.4	26
54	Defective cellular trafficking of missense NPR-B mutants is the major mechanism underlying acromesomelic dysplasia-type Maroteaux. <i>Human Molecular Genetics</i> , 2009 , 18, 267-77	5.6	25
53	Preparation of recombinant Rab geranylgeranyltransferase and Rab escort proteins. <i>Methods in Enzymology</i> , 1995 , 257, 30-41	1.7	25
52	Synthesis, stereochemistry and SAR of a series of minodronate analogues as RGGT inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 4820-6	6.8	24
51	Expression of OA1 limits the fusion of a subset of MVBs with lysosomes - a mechanism potentially involved in the initial biogenesis of melanosomes. <i>Journal of Cell Science</i> , 2013 , 126, 5143-52	5.3	23
50	Are prenyl groups on proteins sticky fingers or greasy handles?. <i>Biochemical Journal</i> , 2003 , 376, e3-4	3.8	23
49	Impaired prenylation of Rab GTPases in the gunmetal mouse causes defects in bone cell function. <i>Small GTPases</i> , 2011 , 2, 131-142	2.7	22
48	The secretory small GTPase Rab27B as a marker for breast cancer progression. <i>Oncotarget</i> , 2010 , 1, 304-8.3	3.3	22
47	Transfer of extracellular vesicle-microRNA controls germinal center reaction and antibody production. <i>EMBO Reports</i> , 2020 , 21, e48925	6.5	21
46	Rab27a targeting to melanosomes requires nucleotide exchange but not effector binding. <i>Traffic</i> , 2011 , 12, 1056-66	5.7	21
45	Rab27b regulates exocytosis of secretory vesicles in acinar epithelial cells from the lacrimal gland. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 301, C507-21	5.4	21

44	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, 461-73	4.5	21
43	An essential role for Rab27a GTPase in eosinophil exocytosis. <i>Journal of Leukocyte Biology</i> , 2013 , 94, 1265-74	6.5	20
42	A role for Rab27 in neutrophil chemotaxis and lung recruitment. <i>BMC Cell Biology</i> , 2014 , 15, 39		20
41	Prenylation assays for small GTPases. <i>Methods in Molecular Biology</i> , 1998 , 84, 251-60	1.4	20
40	Rapid degradation of dominant-negative Rab27 proteins in vivo precludes their use in transgenic mouse models. <i>BMC Cell Biology</i> , 2002 , 3, 26		18
39	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, 12266-70	11.5	18
38	Host PI(3,5)P2 activity is required for Plasmodium berghei growth during liver stage infection. <i>Traffic</i> , 2014 , 15, 1066-82	5.7	17
37	Rab27a-mediated protease release regulates neutrophil recruitment by allowing uropod detachment. <i>Journal of Cell Science</i> , 2012 , 125, 1652-6	5.3	17
36	Rab geranylgeranylation occurs preferentially via the pre-formed REP-RGGT complex and is regulated by geranylgeranyl pyrophosphate. <i>Biochemical Journal</i> , 2008 , 415, 67-75	3.8	17
35	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, 92-7	3.4	17
34	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, 1621-34	3.5	17
33	Semi-automated analysis of organelle movement and membrane content: understanding rab-motor complex transport function. <i>Traffic</i> , 2011 , 12, 1686-701	5.7	14
32	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	11.5	13
31	Bacteria and protozoa differentially modulate the expression of Rab proteins. <i>PLoS ONE</i> , 2012 , 7, e39858	5.7	13
30	Loss of Rab27 function results in abnormal lung epithelium structure in mice. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C466-76	5.4	12
29	cDNA cloning and chromosomal localization of the genes encoding the alpha- and beta-subunits of human Rab geranylgeranyl transferase: the 3' end of the alpha-subunit gene overlaps with the transglutaminase 1 gene promoter. <i>Genomics</i> , 1996 , 38, 133-40	4.3	12
28	Rab27a and melanosomes: a model to investigate the membrane targeting of Rabs. <i>Biochemical Society Transactions</i> , 2012 , 40, 1383-8	5.1	11
27	Rab27a GTPase modulates L-type Ca ²⁺ channel function via interaction with the II-III linker of CaV1.3 subunit. <i>Cellular Signalling</i> , 2015 , 27, 2231-40	4.9	9

26	The exocyst is required for melanin exocytosis from melanocytes and transfer to keratinocytes. <i>Pigment Cell and Melanoma Research</i> , 2020 , 33, 366-371	4.5	9
25	The gunmetal mouse reveals Rab geranylgeranyl transferase to be the major molecular target of phosphonocarboxylate analogues of bisphosphonates. <i>Bone</i> , 2011 , 49, 111-21	4.7	8
24	Age-Related Macular Degeneration: Pathophysiology, Management, and Future Perspectives. <i>Ophthalmologica</i> , 2021 ,	3.7	8
23	Rab1a and Rab5a preferentially bind to binary lipid compositions with higher stored curvature elastic energy. <i>Molecular Membrane Biology</i> , 2013 , 30, 303-14	3.4	6
22	An immunohistochemical analysis of Rab27B distribution in fetal and adult tissue. <i>International Journal of Developmental Biology</i> , 2012 , 56, 363-8	1.9	6
21	Remodeling of the Basal Labyrinth of Retinal Pigment Epithelial Cells With Osmotic Challenge, Age, and Disease 2019 , 60, 2515-2524		5
20	Nucleotide exchange factor Rab3GEP requires DENN and non-DENN elements for activation and targeting of Rab27a. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	5
19	Melanin processing by keratinocytes: A non-microbial type of host-pathogen interaction?. <i>Traffic</i> , 2019 , 20, 301-304	5.7	5
18	p21ras farnesyltransferase: purification and properties of the enzyme. <i>Biochemical Society Transactions</i> , 1992 , 20, 487-8	5.1	5
17	Rab GTPase regulation of bacteria and protozoa phagocytosis occurs through the modulation of phagocytic receptor surface expression. <i>Scientific Reports</i> , 2018 , 8, 12998	4.9	5
16	Young scientists: Portugal's research funding is secure. <i>Nature</i> , 2014 , 507, 306	50.4	4
15	A role for Na ⁺ ,K ⁺ -ATPase in regulating Rab27a localisation on melanosomes. <i>PLoS ONE</i> , 2014 , 9, e102851	5.7	4
14	Rab27a Contributes to the Processing of Inflammatory Pain in Mice. <i>Cells</i> , 2020 , 9,	7.9	3
13	Mouse genetic corneal disease resulting from transgenic insertional mutagenesis. <i>British Journal of Ophthalmology</i> , 2004 , 88, 428-32	5.5	3
12	Melanin Transfer in the Epidermis: The Pursuit of Skin Pigmentation Control Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
11	Current methods to analyse lysosome morphology, positioning, motility and function.. <i>Traffic</i> , 2022 ,	5.7	3
10	Melanocore uptake by keratinocytes occurs through phagocytosis and involves Protease-activated receptor-2 activation		2
9	6 Biochemistry of Rab geranylgeranyltransferase. <i>The Enzymes</i> , 2001 , 131-154	2.3	1

8	Analysis and preparation of stable complexes between Rab GTPases, Rab escort protein, and Rab geranylgeranyl transferase. <i>Methods in Molecular Biology</i> , 2002 , 189, 157-65	1.4	1
7	Chronically shortened rod outer segments accompany photoreceptor cell death in Choroideremia. <i>PLoS ONE</i> , 2020 , 15, e0242284	3.7	1
6	CORRELATION STUDY BETWEEN DRUSEN MORPHOLOGY AND FUNDUS AUTOFLUORESCENCE. <i>Retina</i> , 2021 , 41, 555-562	3.6	1
5	FORMATION OF LIPOFUSCIN-LIKE AUTOFLUORESCENT GRANULES IN THE RETINAL PIGMENT EPITHELIUM REQUIRES LYSOSOME DYSFUNCTION		1
4	Macular Vascular Imaging and Connectivity Analysis Using High-Resolution Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , 2022 , 11, 2	3.3	1
3	Nightingale TD, Pattni K, Hume AN, Seabra MC, Cutler DF. Rab27a and MyRIP regulate the amount and multimeric state of VWF released from endothelial cells. <i>Blood</i> . 2009;113(20):5010-5018. <i>Blood</i> , 2011 , 117, 3476-3476	2.2	
2	Formation of Lipofuscin-Like Autofluorescent Granules in the Retinal Pigment Epithelium Requires Lysosome Dysfunction 2021 , 62, 39		
1	Choroidal Vascular Impairment in Intermediate Age-Related Macular Degeneration. <i>Diagnostics</i> , 2022 , 12, 1290	3.8	