

# Miguel C Seabra

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169  
papers

18,255  
citations

69  
h-index

134  
g-index

184  
ext. papers

20,114  
ext. citations

9.3  
avg, IF

6.47  
L-index

#	Paper	IF	Citations
169	Current methods to analyse lysosome morphology, positioning, motility and function.. <i>Traffic</i> , <b>2022</b>	5.7	3
168	Choroidal Vascular Impairment in Intermediate Age-Related Macular Degeneration. <i>Diagnostics</i> , <b>2022</b> , 12, 1290	3.8	
167	Macular Vascular Imaging and Connectivity Analysis Using High-Resolution Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , <b>2022</b> , 11, 2	3.3	1
166	CORRELATION STUDY BETWEEN DRUSEN MORPHOLOGY AND FUNDUS AUTOFLUORESCENCE. <i>Retina</i> , <b>2021</b> , 41, 555-562	3.6	1
165	Melanin Transfer in the Epidermis: The Pursuit of Skin Pigmentation Control Mechanisms. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
164	Age-Related Macular Degeneration: Pathophysiology, Management, and Future Perspectives. <i>Ophthalmologica</i> , <b>2021</b> ,	3.7	8
163	Formation of Lipofuscin-Like Autofluorescent Granules in the Retinal Pigment Epithelium Requires Lysosome Dysfunction <b>2021</b> , 62, 39		
162	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> , <b>2020</b> , 117, 15684-15693	11.5	13
161	Rab27a Contributes to the Processing of Inflammatory Pain in Mice. <i>Cells</i> , <b>2020</b> , 9,	7.9	3
160	Transfer of extracellular vesicle-microRNA controls germinal center reaction and antibody production. <i>EMBO Reports</i> , <b>2020</b> , 21, e48925	6.5	21
159	Chronically shortened rod outer segments accompany photoreceptor cell death in Choroideremia. <i>PLoS ONE</i> , <b>2020</b> , 15, e0242284	3.7	1
158	The exocyst is required for melanin exocytosis from melanocytes and transfer to keratinocytes. <i>Pigment Cell and Melanoma Research</i> , <b>2020</b> , 33, 366-371	4.5	9
157	Remodeling of the Basal Labyrinth of Retinal Pigment Epithelial Cells With Osmotic Challenge, Age, and Disease <b>2019</b> , 60, 2515-2524		5
156	Nucleotide exchange factor Rab3GEP requires DENN and non-DENN elements for activation and targeting of Rab27a. <i>Journal of Cell Science</i> , <b>2019</b> , 132,	5.3	5
155	Dual chemical probes enable quantitative system-wide analysis of protein prenylation and prenylation dynamics. <i>Nature Chemistry</i> , <b>2019</b> , 11, 552-561	17.6	42
154	Melanin processing by keratinocytes: A non-microbial type of host-pathogen interaction?. <i>Traffic</i> , <b>2019</b> , 20, 301-304	5.7	5
153	Melanin Transferred to Keratinocytes Resides in Nondegradative Endocytic Compartments. <i>Journal of Investigative Dermatology</i> , <b>2018</b> , 138, 637-646	4.3	32

152	Beneficial effects on vision in patients undergoing retinal gene therapy for choroideremia. <i>Nature Medicine</i> , <b>2018</b> , 24, 1507-1512	50.5	108
151	Rab GTPase regulation of bacteria and protozoa phagocytosis occurs through the modulation of phagocytic receptor surface expression. <i>Scientific Reports</i> , <b>2018</b> , 8, 12998	4.9	5
150	Two-Year Results After AAV2-Mediated Gene Therapy for Choroideremia: The Alberta Experience. <i>American Journal of Ophthalmology</i> , <b>2018</b> , 193, 130-142	4.9	91
149	Rab27-Dependent Exosome Production Inhibits Chronic Inflammation and Enables Acute Responses to Inflammatory Stimuli. <i>Journal of Immunology</i> , <b>2017</b> , 199, 3559-3570	5.3	53
148	Host cell autophagy contributes to Plasmodium liver development. <i>Cellular Microbiology</i> , <b>2016</b> , 18, 437-509	5.0	45
147	Visual Acuity after Retinal Gene Therapy for Choroideremia. <i>New England Journal of Medicine</i> , <b>2016</b> , 374, 1996-8	59.2	151
146	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> , <b>2016</b> , 27, 1621-34	3.5	17
145	Regulation of melanosome number, shape and movement in the zebrafish retinal pigment epithelium by OA1 and PMEL. <i>Journal of Cell Science</i> , <b>2015</b> , 128, 1400-7	5.3	32
144	Rab27a GTPase modulates L-type Ca <sup>2+</sup> channel function via interaction with the II-III linker of CaV1.3 subunit. <i>Cellular Signalling</i> , <b>2015</b> , 27, 2231-40	4.9	9
143	Exosome-delivered microRNAs modulate the inflammatory response to endotoxin. <i>Nature Communications</i> , <b>2015</b> , 6, 7321	17.4	447
142	Photoreceptor phagosome processing defects and disturbed autophagy in retinal pigment epithelium of Cln3 <sup>Bx1-6</sup> mice modelling juvenile neuronal ceroid lipofuscinosis (Batten disease). <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 7060-74	5.6	27
141	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> , <b>2015</b> , 112, 15922-7	11.5	63
140	Young scientists: Portugal's research funding is secure. <i>Nature</i> , <b>2014</b> , 507, 306	50.4	4
139	Rab11b mediates melanin transfer between donor melanocytes and acceptor keratinocytes via coupled exo/endocytosis. <i>Journal of Investigative Dermatology</i> , <b>2014</b> , 134, 1056-1066	4.3	70
138	Retinal gene therapy in patients with choroideremia: initial findings from a phase 1/2 clinical trial. <i>Lancet, The</i> , <b>2014</b> , 383, 1129-37	40	570
137	MicroRNA-containing T-regulatory-cell-derived exosomes suppress pathogenic T helper 1 cells. <i>Immunity</i> , <b>2014</b> , 41, 89-103	32.3	320
136	Host PI(3,5)P2 activity is required for Plasmodium berghei growth during liver stage infection. <i>Traffic</i> , <b>2014</b> , 15, 1066-82	5.7	17
135	Phagosome maturation during endosome interaction revealed by partial rhodopsin processing in retinal pigment epithelium. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 3852-61	5.3	28

134	Clinical utility gene card for: choroideremia. <i>European Journal of Human Genetics</i> , <b>2014</b> , 22,	5.3	31
133	Adeno-associated virus 8-mediated gene therapy for choroideremia: preclinical studies in in vitro and in vivo models. <i>Journal of Gene Medicine</i> , <b>2014</b> , 16, 122-30	3.5	30
132	A role for Rab27 in neutrophil chemotaxis and lung recruitment. <i>BMC Cell Biology</i> , <b>2014</b> , 15, 39		20
131	A role for Na <sup>+</sup> ,K <sup>+</sup> -ATPase $\beta$ in regulating Rab27a localisation on melanosomes. <i>PLoS ONE</i> , <b>2014</b> , 9, e102854	5.7	4
130	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> , <b>2013</b> , 91, 825-37	5.5	68
129	Rab1a and Rab5a preferentially bind to binary lipid compositions with higher stored curvature elastic energy. <i>Molecular Membrane Biology</i> , <b>2013</b> , 30, 303-14	3.4	6
128	An essential role for Rab27a GTPase in eosinophil exocytosis. <i>Journal of Leukocyte Biology</i> , <b>2013</b> , 94, 1265-74	6.5	20
127	Distinct and opposing roles for Rab27a/Mlph/MyoVa and Rab27b/Munc13-4 in mast cell secretion. <i>FEBS Journal</i> , <b>2013</b> , 280, 892-903	5.7	34
126	Rab and Arf proteins in genetic diseases. <i>Traffic</i> , <b>2013</b> , 14, 871-85	5.7	40
125	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> , <b>2013</b> , 126, 5143-52	5.3	23
124	Conditional ablation of the choroideremia gene causes age-related changes in mouse retinal pigment epithelium. <i>PLoS ONE</i> , <b>2013</b> , 8, e57769	3.7	38
123	The host endocytic pathway is essential for Plasmodium berghei late liver stage development. <i>Traffic</i> , <b>2012</b> , 13, 1351-63	5.7	39
122	Rab27a supports exosome-dependent and -independent mechanisms that modify the tumor microenvironment and can promote tumor progression. <i>Cancer Research</i> , <b>2012</b> , 72, 4920-30	10.1	404
121	An immunohistochemical analysis of Rab27B distribution in fetal and adult tissue. <i>International Journal of Developmental Biology</i> , <b>2012</b> , 56, 363-8	1.9	6
120	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> , <b>2012</b> , 14, 158-68	3.5	33
119	Rab27a and melanosomes: a model to investigate the membrane targeting of Rabs. <i>Biochemical Society Transactions</i> , <b>2012</b> , 40, 1383-8	5.1	11
118	Rab27a-mediated protease release regulates neutrophil recruitment by allowing uropod detachment. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 1652-6	5.3	17
117	Novel functions for Rab GTPases in multiple aspects of tumour progression. <i>Biochemical Society Transactions</i> , <b>2012</b> , 40, 1398-403	5.1	65

116	Bacteria and protozoa differentially modulate the expression of Rab proteins. <i>PLoS ONE</i> , <b>2012</b> , 7, e39858.	7	13
115	The gunmetal mouse reveals Rab geranylgeranyl transferase to be the major molecular target of phosphonocarboxylate analogues of bisphosphonates. <i>Bone</i> , <b>2011</b> , 49, 111-21	4-7	8
114	Melanosomes on the move: a model to understand organelle dynamics. <i>Biochemical Society Transactions</i> , <b>2011</b> , 39, 1191-6	5-1	61
113	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> , <b>2011</b> , 117, 3476-3476	2-2	
112	Rab27a targeting to melanosomes requires nucleotide exchange but not effector binding. <i>Traffic</i> , <b>2011</b> , 12, 1056-66	5-7	21
111	Myosin Va acts in concert with Rab27a and MyRIP to regulate acute von-Willebrand factor release from endothelial cells. <i>Traffic</i> , <b>2011</b> , 12, 1371-82	5-7	53
110	Semi-automated analysis of organelle movement and membrane content: understanding rab-motor complex transport function. <i>Traffic</i> , <b>2011</b> , 12, 1686-701	5-7	14
109	Synthesis, stereochemistry and SAR of a series of minodronate analogues as RGGT inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2011</b> , 46, 4820-6	6-8	24
108	Impaired prenylation of Rab GTPases in the gunmetal mouse causes defects in bone cell function. <i>Small GTPases</i> , <b>2011</b> , 2, 131-142	2-7	22
107	Thousands of rab GTPases for the cell biologist. <i>PLoS Computational Biology</i> , <b>2011</b> , 7, e1002217	5	136
106	Loss of Rab27 function results in abnormal lung epithelium structure in mice. <i>American Journal of Physiology - Cell Physiology</i> , <b>2011</b> , 300, C466-76	5-4	12
105	Rab27b regulates exocytosis of secretory vesicles in acinar epithelial cells from the lacrimal gland. <i>American Journal of Physiology - Cell Physiology</i> , <b>2011</b> , 301, C507-21	5-4	21
104	Rab27a and Rab27b regulate neutrophil azurophilic granule exocytosis and NADPH oxidase activity by independent mechanisms. <i>Traffic</i> , <b>2010</b> , 11, 533-47	5-7	80
103	Rab27a and Rab27b control different steps of the exosome secretion pathway. <i>Nature Cell Biology</i> , <b>2010</b> , 12, 19-30; sup pp 1-13	23-4	1505
102	Effect of the secretory small GTPase Rab27B on breast cancer growth, invasion, and metastasis. <i>Journal of the National Cancer Institute</i> , <b>2010</b> , 102, 866-80	9-7	172
101	Retinal pigment epithelium defects accelerate photoreceptor degeneration in cell type-specific knockout mouse models of choroideremia <b>2010</b> , 51, 4913-20		68
100	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> , <b>2010</b> , 397, 34-41	3-4	26
99	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> , <b>2010</b> , 53, 3154-64	8-3	56

98	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> , <b>2010</b> , 116, 4978-89 <sup>2</sup>		48
97	Armus is a Rac1 effector that inactivates Rab7 and regulates E-cadherin degradation. <i>Current Biology</i> , <b>2010</b> , 20, 198-208	6.3	82
96	Rapid multilabel detection of geranylgeranylated proteins by using bioorthogonal ligation chemistry. <i>ChemBioChem</i> , <b>2010</b> , 11, 771-3	3.8	46
95	The secretory small GTPase Rab27B as a marker for breast cancer progression. <i>Oncotarget</i> , <b>2010</b> , 1, 304-33	3.3	22
94	The secretory small GTPase Rab27B as a marker for breast cancer progression. <i>Oncotarget</i> , <b>2010</b> , 1, 304-308	3.8	34
93	Single choroideremia gene in nonmammalian vertebrates explains early embryonic lethality of the zebrafish model of choroideremia <b>2009</b> , 50, 3009-16		28
92	Phosphonocarboxylates inhibit the second geranylgeranyl addition by Rab geranylgeranyl transferase. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 6861-8	5.4	48
91	Myrip uses distinct domains in the cellular activation of myosin VA and myosin VIIA in melanosome transport. <i>Pigment Cell and Melanoma Research</i> , <b>2009</b> , 22, 461-73	4.5	21
90	Rab27a and MyRIP regulate the amount and multimeric state of VWF released from endothelial cells. <i>Blood</i> , <b>2009</b> , 113, 5010-8	2.2	69
89	Defective cellular trafficking of missense NPR-B mutants is the major mechanism underlying acromesomelic dysplasia-type Maroteaux. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 267-77	5.6	25
88	Melanosomes at a glance. <i>Journal of Cell Science</i> , <b>2008</b> , 121, 3995-9	5.3	164
87	Rab3GEP is the non-redundant guanine nucleotide exchange factor for Rab27a in melanocytes. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 23209-16	5.4	49
86	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> , <b>2008</b> , 17, 3987-4000	5.6	56
85	Rab geranylgeranylation occurs preferentially via the pre-formed REP-RGGT complex and is regulated by geranylgeranyl pyrophosphate. <i>Biochemical Journal</i> , <b>2008</b> , 415, 67-75	3.8	17
84	Rab GTPases containing a CAAX motif are processed post-geranylgeranylation by proteolysis and methylation. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 1487-97	5.4	75
83	Rab27a regulates phagosomal pH and NADPH oxidase recruitment to dendritic cell phagosomes. <i>Nature Cell Biology</i> , <b>2007</b> , 9, 367-78	23.4	185
82	The ternary Rab27a-Myrip-Myosin VIIa complex regulates melanosome motility in the retinal pigment epithelium. <i>Traffic</i> , <b>2007</b> , 8, 486-99	5.7	74
81	Rab27b regulates mast cell granule dynamics and secretion. <i>Traffic</i> , <b>2007</b> , 8, 883-92	5.7	83

80	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> , <b>2007</b> , 18, 3914-27	3.5	76
79	Rab27b regulates number and secretion of platelet dense granules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 5872-7	11.5	141
78	Rab27a and MyoVa are the primary Mlph interactors regulating melanosome transport in melanocytes. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 3111-22	5.3	69
77	Structurally distinct membrane nanotubes between human macrophages support long-distance vesicular traffic or surfing of bacteria. <i>Journal of Immunology</i> , <b>2006</b> , 177, 8476-83	5.3	337
76	Thematic review series: lipid posttranslational modifications. geranylgeranylation of Rab GTPases. <i>Journal of Lipid Research</i> , <b>2006</b> , 47, 467-75	6.3	176
75	A coiled-coil domain of melanophilin is essential for Myosin Va recruitment and melanosome transport in melanocytes. <i>Molecular Biology of the Cell</i> , <b>2006</b> , 17, 4720-35	3.5	68
74	Rab38 and Rab32 control post-Golgi trafficking of melanogenic enzymes. <i>Journal of Cell Biology</i> , <b>2006</b> , 175, 271-81	7.3	212
73	NOX2 controls phagosomal pH to regulate antigen processing during crosspresentation by dendritic cells. <i>Cell</i> , <b>2006</b> , 126, 205-18	56.2	633
72	Independent degeneration of photoreceptors and retinal pigment epithelium in conditional knockout mouse models of choroideremia. <i>Journal of Clinical Investigation</i> , <b>2006</b> , 116, 386-94	15.9	91
71	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> , <b>2005</b> , 37, 349-58	4.7	88
70	Targeting of Rab GTPases to cellular membranes. <i>Biochemical Society Transactions</i> , <b>2005</b> , 33, 652-6	5.1	63
69	The Rab27a-binding protein, JFC1, regulates androgen-dependent secretion of prostate-specific antigen and prostatic-specific acid phosphatase. <i>Biochemical Journal</i> , <b>2005</b> , 391, 699-710	3.8	35
68	Fatty acylation and prenylation of proteins: what's hot in fat. <i>Current Opinion in Cell Biology</i> , <b>2005</b> , 17, 190-6	9	100
67	ER-associated protein degradation is a common mechanism underpinning numerous monogenic diseases including Robinow syndrome. <i>Human Molecular Genetics</i> , <b>2005</b> , 14, 2559-69	5.6	53
66	Multiple regions contribute to membrane targeting of Rab GTPases. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 6401-12	5.3	93
65	Mouse genetic corneal disease resulting from transgenic insertional mutagenesis. <i>British Journal of Ophthalmology</i> , <b>2004</b> , 88, 428-32	5.5	3
64	A general role for Rab27a in secretory cells. <i>Molecular Biology of the Cell</i> , <b>2004</b> , 15, 332-44	3.5	139
63	The role of Rab27a in the regulation of melanosome distribution within retinal pigment epithelial cells. <i>Molecular Biology of the Cell</i> , <b>2004</b> , 15, 2264-75	3.5	82

62	Rab GTPases and myosin motors in organelle motility. <i>Traffic</i> , <b>2004</b> , 5, 393-9	5.7	154
61	The melanosome as a model to study organelle motility in mammals. <i>Pigment Cell &amp; Melanoma Research</i> , <b>2004</b> , 17, 111-8		92
60	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 &amp; Melanoma Research</i> , <b>2004</b> , 17, 498-505		35
59	Controlling the location and activation of Rab GTPases. <i>Current Opinion in Cell Biology</i> , <b>2004</b> , 16, 451-7	9	232
58	Cytotoxic activity of metal complexes of biogenic polyamines: polynuclear platinum(II) chelates. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 2917-25	8.3	55
57	A role for Rab27b in NF-E2-dependent pathways of platelet formation. <i>Blood</i> , <b>2003</b> , 102, 3970-9	2.2	81
56	Are prenyl groups on proteins sticky fingers or greasy handles?. <i>Biochemical Journal</i> , <b>2003</b> , 376, e3-4	3.8	23
55	Multiple factors contribute to inefficient prenylation of Rab27a in Rab prenylation diseases. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 46798-804	5.4	60
54	Structural determinants of Rab and Rab Escort Protein interaction: Rab family motifs define a conserved binding surface. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 301, 92-7	3.4	17
53	Gene therapy for choroideremia: in vitro rescue mediated by recombinant adenovirus. <i>Vision Research</i> , <b>2003</b> , 43, 919-26	2.1	44
52	Protein prenyltransferases. <i>Genome Biology</i> , <b>2003</b> , 4, 212	18.3	94
51	Membrane targeting of Rab GTPases is influenced by the prenylation motif. <i>Molecular Biology of the Cell</i> , <b>2003</b> , 14, 1882-99	3.5	117
50	Weibel-Palade bodies recruit Rab27 by a content-driven, maturation-dependent mechanism that is independent of cell type. <i>Journal of Cell Science</i> , <b>2003</b> , 116, 3939-48	5.3	77
49	The leaden gene product is required with Rab27a to recruit myosin Va to melanosomes in melanocytes. <i>Traffic</i> , <b>2002</b> , 3, 193-202	5.7	128
48	Rapid degradation of dominant-negative Rab27 proteins in vivo precludes their use in transgenic mouse models. <i>BMC Cell Biology</i> , <b>2002</b> , 3, 26		18
47	A family of Rab27-binding proteins. Melanophilin links Rab27a and myosin Va function in melanosome transport. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 25423-30	5.4	260
46	Analysis and preparation of stable complexes between Rab GTPases, Rab escort protein, and Rab geranylgeranyl transferase. <i>Methods in Molecular Biology</i> , <b>2002</b> , 189, 157-65	1.4	1
45	Rab GTPases, intracellular traffic and disease. <i>Trends in Molecular Medicine</i> , <b>2002</b> , 8, 23-30	11.5	389



44	Functional redundancy of Rab27 proteins and the pathogenesis of Griscelli syndrome. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 247-257	15.9	132
43	Functional redundancy of Rab27 proteins and the pathogenesis of Griscelli syndrome. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 247-57	15.9	61
42	Functional redundancy of Rab27 proteins and the pathogenesis of Griscelli syndrome. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 1213-1213	15.9	78
41	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> , <b>2001</b> , 276, 48213-22	5.4	137
40	6 Biochemistry of Rab geranylgeranyltransferase. <i>The Enzymes</i> , <b>2001</b> , 131-154	2.3	1
39	The melanosome: membrane dynamics in black and white. <i>Nature Reviews Molecular Cell Biology</i> , <b>2001</b> , 2, 738-48	48.7	337
38	Chromosomal mapping, gene structure and characterization of the human and murine RAB27B gene. <i>BMC Genetics</i> , <b>2001</b> , 2, 2	2.6	37
37	Isoprenylcysteine carboxyl methyltransferase deficiency in mice. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 5841-5	5.4	137
36	Rab27a is required for regulated secretion in cytotoxic T lymphocytes. <i>Journal of Cell Biology</i> , <b>2001</b> , 152, 825-34	7.3	338
35	Rab27a regulates the peripheral distribution of melanosomes in melanocytes. <i>Journal of Cell Biology</i> , <b>2001</b> , 152, 795-808	7.3	283
34	Evolution of the Rab family of small GTP-binding proteins. <i>Journal of Molecular Biology</i> , <b>2001</b> , 313, 889-905	9.5	626
33	Evaluation of retinal photoreceptors and pigment epithelium in a female carrier of choroideremia. <i>Ophthalmology</i> , <b>2001</b> , 108, 711-20	7.3	78
32	Prenylation of Rab GTPases: molecular mechanisms and involvement in genetic disease. <i>FEBS Letters</i> , <b>2001</b> , 498, 197-200	3.8	132
31	Crystal structure of Rab geranylgeranyltransferase at 2.0 Å resolution. <i>Structure</i> , <b>2000</b> , 8, 241-51	5.2	98
30	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> , <b>2000</b> , 301, 1077-87	6.5	375
29	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> , <b>2000</b> , 97, 4144-9	11.5	147
28	Cloning, mapping and characterization of the human RAB27A gene. <i>Gene</i> , <b>1999</b> , 239, 109-16	3.8	37
27	Membrane association and targeting of prenylated Ras-like GTPases. <i>Cellular Signalling</i> , <b>1998</b> , 10, 167-74.	9.9	215

26	A practical diagnostic test for choroideremia. <i>Ophthalmology</i> , <b>1998</b> , 105, 1637-40	7.3	80
25	Prenylation assays for small GTPases. <i>Methods in Molecular Biology</i> , <b>1998</b> , 84, 251-60	1.4	20
24	Mechanism of Rab geranylgeranylation: formation of the catalytic ternary complex. <i>Biochemistry</i> , <b>1998</b> , 37, 12559-68	3.2	69
23	Single prenyl-binding site on protein prenyl transferases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 12266-70	11.5	18
22	Nucleotide dependence of Rab geranylgeranylation. Rab escort protein interacts preferentially with GDP-bound Rab. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 14398-404	5.4	43
21	Mechanism of digeranylgeranylation of Rab proteins. Formation of a complex between monogeranylgeranyl-Rab and Rab escort protein. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 3692-8	5.4	85
20	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> , <b>1996</b> , 38, 133-40	4.3	12
19	Expression of the VLDL receptor in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1996</b> , 16, 407-15	9.4	111
18	Geranylgeranylation of Rab proteins. <i>Biochemical Society Transactions</i> , <b>1996</b> , 24, 699-703	5.1	46
17	GTPase activity of Rab5 acts as a timer for endocytic membrane fusion. <i>Nature</i> , <b>1996</b> , 383, 266-9	50.4	294
16	Protein prenyltransferases. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 5289-92	5.4	624
15	Apolipoprotein(a) kringle 4-containing fragments in human urine. Relationship to plasma levels of lipoprotein(a). <i>Journal of Clinical Investigation</i> , <b>1996</b> , 97, 858-64	15.9	64
14	Deficient geranylgeranylation of Ram/Rab27 in choroideremia. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 24420-7	5.4	172
13	Preparation of recombinant Rab geranylgeranyltransferase and Rab escort proteins. <i>Methods in Enzymology</i> , <b>1995</b> , 257, 30-41	1.7	25
12	Rab escort protein-1 is a multifunctional protein that accompanies newly prenylated rab proteins to their target membranes. <i>EMBO Journal</i> , <b>1994</b> , 13, 5262-5273	13	165
11	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> , <b>1994</b> , 91, 11963-7	11.5	123
10	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> , <b>1994</b> , 91, 10712-6	11.5	61
9	cDNA cloning of component A of Rab geranylgeranyl transferase and demonstration of its role as a Rab escort protein. <i>Cell</i> , <b>1993</b> , 73, 1091-9	56.2	292

8	Retinal degeneration in choroideremia: deficiency of rab geranylgeranyl transferase. <i>Science</i> , <b>1993</b> , 259, 377-81	33.3	298
7	p21ras farnesyltransferase: purification and properties of the enzyme. <i>Biochemical Society Transactions</i> , <b>1992</b> , 20, 487-8	5.1	5
6	Purification of component A of Rab geranylgeranyl transferase: possible identity with the choroideremia gene product. <i>Cell</i> , <b>1992</b> , 70, 1049-57	56.2	272
5	Protein farnesyltransferase and geranylgeranyltransferase share a common alpha subunit. <i>Cell</i> , <b>1991</b> , 65, 429-34	56.2	354
4	Purification of ras farnesyl:Protein transferase. <i>Methods</i> , <b>1990</b> , 1, 241-245	4.6	32
3	Inhibition of purified p21ras farnesyl:protein transferase by Cys-AAX tetrapeptides. <i>Cell</i> , <b>1990</b> , 62, 81-8	56.2	774
2	Melanocore uptake by keratinocytes occurs through phagocytosis and involves Protease-activated receptor-2 activation		2
1	FORMATION OF LIPOFUSCIN-LIKE AUTOFLUORESCENT GRANULES IN THE RETINAL PIGMENT EPITHELIUM REQUIRES LYSOSOME DYSFUNCTION		1