

# Alan R Prescott

## List of Publications by Citations

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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.

195 papers	13,229 citations	64 h-index	110 g-index
204 ext. papers	14,868 ext. citations	6.5 avg, IF	5.91 L-index

#	Paper	IF	Citations
195	Enhanced dendritic cell antigen capture via toll-like receptor-induced actin remodeling. <i>Science</i> , <b>2004</b> , 305, 1153-7	33.3	400
194	AMP-activated protein kinase: greater AMP dependence, and preferential nuclear localization, of complexes containing the alpha2 isoform. <i>Biochemical Journal</i> , <b>1998</b> , 334 ( Pt 1), 177-87	3.8	385
193	Class I MHC presentation of exogenous soluble antigen via macropinocytosis in bone marrow macrophages. <i>Immunity</i> , <b>1995</b> , 3, 783-91	32.3	343
192	MO25alpha/beta interact with STRADalpha/beta enhancing their ability to bind, activate and localize LKB1 in the cytoplasm. <i>EMBO Journal</i> , <b>2003</b> , 22, 5102-14	13	341
191	Characterization of a selective inhibitor of the Parkinson's disease kinase LRRK2. <i>Nature Chemical Biology</i> , <b>2011</b> , 7, 203-5	11.7	321
190	The coated pit and macropinocytic pathways serve distinct endosome populations. <i>Journal of Cell Biology</i> , <b>1994</b> , 124, 689-703	7.3	312
189	Inhibition of LRRK2 kinase activity leads to dephosphorylation of Ser(910)/Ser(935), disruption of 14-3-3 binding and altered cytoplasmic localization. <i>Biochemical Journal</i> , <b>2010</b> , 430, 405-13	3.8	296
188	Constitutive macropinocytosis allows TAP-dependent major histocompatibility complex class I presentation of exogenous soluble antigen by bone marrow-derived dendritic cells. <i>European Journal of Immunology</i> , <b>1997</b> , 27, 280-8	6.1	291
187	14-3-3 binding to LRRK2 is disrupted by multiple Parkinson's disease-associated mutations and regulates cytoplasmic localization. <i>Biochemical Journal</i> , <b>2010</b> , 430, 393-404	3.8	289
186	Basal Mitophagy Occurs Independently of PINK1 in Mouse Tissues of High Metabolic Demand. <i>Cell Metabolism</i> , <b>2018</b> , 27, 439-449.e5	24.6	280
185	Loss of kindlin-1, a human homolog of the <i>Caenorhabditis elegans</i> actin-extracellular-matrix linker protein UNC-112, causes Kindler syndrome. <i>American Journal of Human Genetics</i> , <b>2003</b> , 73, 174-87	11	263
184	Essential role of PDK1 in regulating cell size and development in mice. <i>EMBO Journal</i> , <b>2002</b> , 21, 3728-38	13	245
183	mito-QC illuminates mitophagy and mitochondrial architecture in vivo. <i>Journal of Cell Biology</i> , <b>2016</b> , 214, 333-45	7.3	238
182	Rac is required for constitutive macropinocytosis by dendritic cells but does not control its downregulation. <i>Current Biology</i> , <b>2000</b> , 10, 839-48	6.3	225
181	Molecular mechanisms of kinetochore capture by spindle microtubules. <i>Nature</i> , <b>2005</b> , 434, 987-94	50.4	219
180	Roles of the forkhead in rhabdomyosarcoma (FKHR) phosphorylation sites in regulating 14-3-3 binding, transactivation and nuclear targeting. <i>Biochemical Journal</i> , <b>2001</b> , 354, 605-612	3.8	216
179	Two novel phosphorylation sites on FKHR that are critical for its nuclear exclusion. <i>EMBO Journal</i> , <b>2002</b> , 21, 2263-71	13	187

178	BslA is a self-assembling bacterial hydrophobin that coats the <i>Bacillus subtilis</i> biofilm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 13600-5	11.5	185
177	Characterization of VPS34-IN1, a selective inhibitor of Vps34, reveals that the phosphatidylinositol 3-phosphate-binding SGK3 protein kinase is a downstream target of class III phosphoinositide 3-kinase. <i>Biochemical Journal</i> , <b>2014</b> , 463, 413-27	3.8	173
176	The prohibitin family of mitochondrial proteins regulate replicative lifespan. <i>Current Biology</i> , <b>1997</b> , 7, 607-10	6.3	173
175	Deficiency of LKB1 in heart prevents ischemia-mediated activation of AMPKalpha2 but not AMPKalpha1. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2006</b> , 290, E780-8	6	171
174	Burkholderia phymatum is a highly effective nitrogen-fixing symbiont of Mimosa spp. and fixes nitrogen ex planta. <i>New Phytologist</i> , <b>2007</b> , 173, 168-80	9.8	167
173	PGE(2) induces macrophage IL-10 production and a regulatory-like phenotype via a protein kinase A-SIK-CRTC3 pathway. <i>Journal of Immunology</i> , <b>2013</b> , 190, 565-77	5.3	155
172	Structural insights into the regulation of PDK1 by phosphoinositides and inositol phosphates. <i>EMBO Journal</i> , <b>2004</b> , 23, 3918-28	13	152
171	Inhibition of autophagy in mitotic animal cells. <i>Traffic</i> , <b>2002</b> , 3, 878-93	5.7	150
170	Small molecule antagonists of the sigma-1 receptor cause selective release of the death program in tumor and self-reliant cells and inhibit tumor growth in vitro and in vivo. <i>Cancer Research</i> , <b>2004</b> , 64, 4875-86	10.1	146
169	Regulation of activity and localization of the WNK1 protein kinase by hyperosmotic stress. <i>Journal of Cell Biology</i> , <b>2007</b> , 176, 89-100	7.3	141
168	Proof that Burkholderia strains form effective symbioses with legumes: a study of novel Mimosa-nodulating strains from South America. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 7461-71	4.8	139
167	Altered aggregation properties of mutant gamma-crystallins cause inherited cataract. <i>EMBO Journal</i> , <b>2002</b> , 21, 6005-14	13	136
166	Binding to serine 65-phosphorylated ubiquitin primes Parkin for optimal PINK1-dependent phosphorylation and activation. <i>EMBO Reports</i> , <b>2015</b> , 16, 939-54	6.5	135
165	Roles of the forkhead in rhabdomyosarcoma (FKHR) phosphorylation sites in regulating 14-3-3 binding, transactivation and nuclear targetting. <i>Biochemical Journal</i> , <b>2001</b> , 354, 605-12	3.8	135
164	Regulation of the NKCC2 ion cotransporter by SPAK-OSR1-dependent and -independent pathways. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 789-800	5.3	132
163	The adenomatous polyposis coli protein unambiguously localizes to microtubule plus ends and is involved in establishing parallel arrays of microtubule bundles in highly polarized epithelial cells. <i>Journal of Cell Biology</i> , <b>2002</b> , 157, 1041-8	7.3	131
162	Structural characterisation of two forms of procyclic acidic repetitive protein expressed by procyclic forms of Trypanosoma brucei. <i>Journal of Molecular Biology</i> , <b>1997</b> , 269, 529-47	6.5	127
161	New roles for the LKB1-NUAK pathway in controlling myosin phosphatase complexes and cell adhesion. <i>Science Signaling</i> , <b>2010</b> , 3, ra25	8.8	122

160	Time-lapse imaging reveals dynamic relocalization of PP1gamma throughout the mammalian cell cycle. <i>Molecular Biology of the Cell</i> , <b>2003</b> , 14, 107-17	3.5	122
159	The in vivo role of PtdIns(3,4,5)P3 binding to PDK1 PH domain defined by knockin mutation. <i>EMBO Journal</i> , <b>2004</b> , 23, 2071-82	13	120
158	Analysis of the LKB1-STRAD-MO25 complex. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 6365-75	5.3	117
157	Dendritic cell podosomes are protrusive and invade the extracellular matrix using metalloproteinase MMP-14. <i>Journal of Cell Science</i> , <b>2010</b> , 123, 1427-37	5.3	111
156	Nodulation of Mimosa spp. by the beta-proteobacterium <i>Ralstonia taiwanensis</i> . <i>Molecular Plant-Microbe Interactions</i> , <b>2003</b> , 16, 1051-61	3.6	111
155	Tmem79/Matt is the matted mouse gene and is a predisposing gene for atopic dermatitis in human subjects. <i>Journal of Allergy and Clinical Immunology</i> , <b>2013</b> , 132, 1121-9	11.5	108
154	TPL2-mediated activation of ERK1 and ERK2 regulates the processing of pre-TNF alpha in LPS-stimulated macrophages. <i>Journal of Cell Science</i> , <b>2008</b> , 121, 149-54	5.3	107
153	The Alexander disease-causing glial fibrillary acidic protein mutant, R416W, accumulates into Rosenthal fibers by a pathway that involves filament aggregation and the association of alpha B-crystallin and HSP27. <i>American Journal of Human Genetics</i> , <b>2006</b> , 79, 197-213	11	106
152	Fin development in a cartilaginous fish and the origin of vertebrate limbs. <i>Nature</i> , <b>2002</b> , 416, 527-31	50.4	102
151	The Talpid3 gene (KIAA0586) encodes a centrosomal protein that is essential for primary cilia formation. <i>Development (Cambridge)</i> , <b>2009</b> , 136, 655-64	6.6	94
150	YuaB functions synergistically with the exopolysaccharide and TasA amyloid fibers to allow biofilm formation by <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 4821-31	3.5	91
149	Desmin aggregate formation by R120G alphaB-crystallin is caused by altered filament interactions and is dependent upon network status in cells. <i>Molecular Biology of the Cell</i> , <b>2004</b> , 15, 2335-46	3.5	90
148	ERK/p90(RSK)/14-3-3 signalling has an impact on expression of PEA3 Ets transcription factors via the transcriptional repressor capicB. <i>Biochemical Journal</i> , <b>2011</b> , 433, 515-25	3.8	88
147	14-3-3 cooperates with LKB1 to regulate the activity and localization of QSK and SIK. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 5661-73	5.3	85
146	A proteomic approach to identify early molecular targets of oxidative stress in human epithelial lens cells. <i>Biochemical Journal</i> , <b>2004</b> , 378, 929-37	3.8	85
145	WNK1, the kinase mutated in an inherited high-blood-pressure syndrome, is a novel PKB (protein kinase B)/Akt substrate. <i>Biochemical Journal</i> , <b>2004</b> , 378, 257-68	3.8	84
144	Rapid induction of apoptosis mediated by peptides that bind initiation factor eIF4E. <i>Current Biology</i> , <b>2000</b> , 10, 793-6	6.3	84
143	Knockout of the intermediate filament protein CP49 destabilises the lens fibre cell cytoskeleton and decreases lens optical quality, but does not induce cataract. <i>Experimental Eye Research</i> , <b>2003</b> , 76, 385-91	3.7	83

142	Cajal body proteins SMN and Coilin show differential dynamic behaviour in vivo. <i>Journal of Cell Science</i> , <b>2003</b> , 116, 2039-50	5.3	82
141	The C terminus of lens aquaporin 0 interacts with the cytoskeletal proteins filensin and CP49. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 1562-70		80
140	The ubiquitin-associated domain of AMPK-related kinases regulates conformation and LKB1-mediated phosphorylation and activation. <i>Biochemical Journal</i> , <b>2006</b> , 394, 545-55	3.8	80
139	Recognition of the major cell surface glycoconjugates of Leishmania parasites by the human serum mannan-binding protein. <i>Molecular and Biochemical Parasitology</i> , <b>1994</b> , 66, 319-28	1.9	80
138	Changes in the nucleolar and coiled body compartments precede lamina and chromatin reorganization during fibre cell denucleation in the bovine lens. <i>European Journal of Cell Biology</i> , <b>1998</b> , 75, 237-46	6.1	77
137	Cellular responses to the metal-binding properties of metformin. <i>Diabetes</i> , <b>2012</b> , 61, 1423-33	0.9	75
136	Siglec-E is a negative regulator of acute pulmonary neutrophil inflammation and suppresses CD11b $\alpha$ -integrin-dependent signaling. <i>Blood</i> , <b>2013</b> , 121, 2084-94	2.2	74
135	Molecular characterisation of mitochondrial and cytosolic trypanothione-dependent trypanedoxin peroxidases in Trypanosoma brucei. <i>Molecular and Biochemical Parasitology</i> , <b>2001</b> , 116, 171-83	1.9	73
134	High-confidence glycosome proteome for procyclic form Trypanosoma brucei by epitope-tag organelle enrichment and SILAC proteomics. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 2796-806	5.6	72
133	Three murine cataract mutants (Cat2) are defective in different gamma-crystallin genes. <i>Genomics</i> , <b>1998</b> , 52, 152-8	4.3	68
132	Trypanosoma brucei glycoproteins contain novel giant poly-N-acetyllactosamine carbohydrate chains. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 865-71	5.4	65
131	The suppression of galactose metabolism in procyclic form Trypanosoma brucei causes cessation of cell growth and alters procyclin glycoprotein structure and copy number. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 19728-36	5.4	62
130	A systemic lupus erythematosus-associated R77H substitution in the CD11b chain of the Mac-1 integrin compromises leukocyte adhesion and phagocytosis. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 17303-10	5.4	61
129	The beaded filament of the eye lens: an unexpected key to intermediate filament structure and function. <i>Trends in Cell Biology</i> , <b>1996</b> , 6, 123-6	18.3	59
128	Ninein is released from the centrosome and moves bi-directionally along microtubules. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 3064-74	5.3	57
127	TLR ligand-induced podosome disassembly in dendritic cells is ADAM17 dependent. <i>Journal of Cell Biology</i> , <b>2008</b> , 182, 993-1005	7.3	56
126	FGF-2 release from the lens capsule by MMP-2 maintains lens epithelial cell viability. <i>Molecular Biology of the Cell</i> , <b>2007</b> , 18, 4222-31	3.5	56
125	Expression of limb initiation genes and clues to the morphological diversification of threespine stickleback. <i>Current Biology</i> , <b>2003</b> , 13, R951-2	6.3	55

124	Proximal effects of Toll-like receptor activation in dendritic cells. <i>Current Opinion in Immunology</i> , <b>2007</b> , 19, 73-8	7.8	54
123	Nuclear speckle localisation of the small heat shock protein alpha B-crystallin and its inhibition by the R120G cardiomyopathy-linked mutation. <i>Experimental Cell Research</i> , <b>2003</b> , 287, 249-61	4.2	54
122	Antagonistic action of Six3 and Prox1 at the gamma-crystallin promoter. <i>Nucleic Acids Research</i> , <b>2001</b> , 29, 515-26	20.1	54
121	Novel MHC class I structures on exosomes. <i>Journal of Immunology</i> , <b>2009</b> , 183, 1884-91	5.3	52
120	The nuclear DEAD box RNA helicase p68 interacts with the nucleolar protein fibrillarin and colocalizes specifically in nascent nucleoli during telophase. <i>Experimental Cell Research</i> , <b>2000</b> , 257, 272-80	4.2	52
119	Gap junctions containing alpha8-connexin (MP70) in the adult mammalian lens epithelium suggests a re-evaluation of its role in the lens. <i>Experimental Eye Research</i> , <b>1999</b> , 69, 45-56	3.7	52
118	Phosphorylation of Parkin at serine 65 is essential for its activation. <i>Open Biology</i> , <b>2018</b> , 8,	7	52
117	Regulation of the polarity kinases PAR-1/MARK by 14-3-3 interaction and phosphorylation. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 4059-70	5.3	50
116	Nuclear localization of protein phosphatase 5 is dependent on the carboxy-terminal region. <i>FEBS Letters</i> , <b>2001</b> , 491, 279-84	3.8	49
115	The clinically approved drugs dasatinib and bosutinib induce anti-inflammatory macrophages by inhibiting the salt-inducible kinases. <i>Biochemical Journal</i> , <b>2015</b> , 465, 271-9	3.8	48
114	Evidence for prebudding arrest of ER export in animal cell mitosis and its role in generating Golgi partitioning intermediates. <i>Traffic</i> , <b>2001</b> , 2, 321-35	5.7	48
113	High-resolution quantitative proteome analysis reveals substantial differences between phagosomes of RAW 264.7 and bone marrow derived macrophages. <i>Proteomics</i> , <b>2015</b> , 15, 3169-74	4.8	47
112	The $\beta$ integrin-kindlin-3 interaction is essential for T-cell homing but dispensable for T-cell activation in vivo. <i>Blood</i> , <b>2013</b> , 122, 1428-36	2.2	47
111	The synthesis of UDP-N-acetylglucosamine is essential for bloodstream form trypanosoma brucei in vitro and in vivo and UDP-N-acetylglucosamine starvation reveals a hierarchy in parasite protein glycosylation. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 16147-61	5.4	46
110	p14 Arf promotes small ubiquitin-like modifier conjugation of Werner's helicase. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 50157-66	5.4	46
109	The trigger to cell death determines the efficiency with which dying cells are cleared by neighbours. <i>Cell Death and Differentiation</i> , <b>2001</b> , 8, 734-46	12.7	45
108	Rapid and Reversible Knockdown of Endogenously Tagged Endosomal Proteins via an Optimized HaloPROTAC Degradation. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 882-892	4.9	44
107	Biochemical analysis of TssK, a core component of the bacterial Type VI secretion system, reveals distinct oligomeric states of TssK and identifies a TssK-TssFG subcomplex. <i>Biochemical Journal</i> , <b>2014</b> , 461, 291-304	3.8	44



106	Inositol phospholipids regulate the guanine-nucleotide-exchange factor Tiam1 by facilitating its binding to the plasma membrane and regulating GDP/GTP exchange on Rac1. <i>Biochemical Journal</i> , <b>2004</b> , 382, 857-65	3.8	44
105	Interaction of the protein tyrosine phosphatase PTPL1 with the PtdIns(3,4)P2-binding adaptor protein TAPP1. <i>Biochemical Journal</i> , <b>2003</b> , 376, 525-35	3.8	43
104	Characterization of WZ4003 and HTH-01-015 as selective inhibitors of the LKB1-tumour-suppressor-activated NUAKE kinases. <i>Biochemical Journal</i> , <b>2014</b> , 457, 215-25	3.8	42
103	TTBK2 kinase substrate specificity and the impact of spinocerebellar-ataxia-causing mutations on expression, activity, localization and development. <i>Biochemical Journal</i> , <b>2011</b> , 437, 157-67	3.8	41
102	Antigen endocytosis and presentation mediated by human membrane IgG1 in the absence of the Ig(alpha)/Ig(beta) dimer. <i>EMBO Journal</i> , <b>1997</b> , 16, 3842-50	13	41
101	The manganese cation disrupts membrane dynamics along the secretory pathway. <i>Experimental Cell Research</i> , <b>2000</b> , 259, 167-79	4.2	41
100	Membrane ruffling, macropinocytosis and antigen presentation in the absence of gelsolin in murine dendritic cells. <i>European Journal of Immunology</i> , <b>1999</b> , 29, 3450-5	6.1	41
99	Bifunctionality of a biofilm matrix protein controlled by redox state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E6184-E6191	11.5	39
98	GSK3-mediated raptor phosphorylation supports amino-acid-dependent mTORC1-directed signalling. <i>Biochemical Journal</i> , <b>2015</b> , 470, 207-21	3.8	39
97	Homeostasis in the vertebrate lens: mechanisms of solute exchange. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2011</b> , 366, 1265-77	5.8	39
96	Bfsp2 mutation found in mouse 129 strains causes the loss of CP49' and induces vimentin-dependent changes in the lens fibre cell cytoskeleton. <i>Experimental Eye Research</i> , <b>2004</b> , 78, 875-89	3.7	38
95	Up-regulation of novel intermediate filament proteins in primary fiber cells: an indicator of all vertebrate lens fiber differentiation?. <i>The Anatomical Record</i> , <b>2000</b> , 258, 25-33		36
94	A role for the actin cytoskeleton in the hormonal and growth-factor-mediated activation of protein kinase B. <i>Biochemical Journal</i> , <b>2000</b> , 352, 617-622	3.8	36
93	Activated cAMP receptors switch encystation into sporulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 7089-94	11.5	35
92	The specificity of the interaction between B-crystallin and desmin filaments and its impact on filament aggregation and cell viability. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 368, 20120375	5.8	34
91	Depletion of protein phosphatase 4 in human cells reveals essential roles in centrosome maturation, cell migration and the regulation of Rho GTPases. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2008</b> , 40, 2315-32	5.6	34
90	Triggering MSR1 promotes JNK-mediated inflammation in IL-4-activated macrophages. <i>EMBO Journal</i> , <b>2019</b> , 38,	13	33
89	Lysosomal protease deficiency or substrate overload induces an oxidative-stress mediated STAT3-dependent pathway of lysosomal homeostasis. <i>Nature Communications</i> , <b>2018</b> , 9, 5343	17.4	33

88	A role for ARF6 in dendritic cell podosome formation and migration. <i>European Journal of Immunology</i> , <b>2008</b> , 38, 818-28	6.1	32
87	A conserved ATG2-GABARAP family interaction is critical for phagophore formation. <i>EMBO Reports</i> , <b>2020</b> , 21, e48412	6.5	32
86	Using a pericentromeric interspersed repeat to recapitulate the phylogeny and expansion of human centromeric segmental duplications. <i>Molecular Biology and Evolution</i> , <b>2003</b> , 20, 1463-79	8.3	31
85	Observation of keratin particles showing fast bidirectional movement colocalized with microtubules. <i>Journal of Cell Science</i> , <b>2003</b> , 116, 1417-27	5.3	31
84	A comparative map of macroautophagy and mitophagy in the vertebrate eye. <i>Autophagy</i> , <b>2019</b> , 15, 1296-1308	6.1	30
83	Scatter factor affects major changes in the cytoskeletal organization of epithelial cells. <i>Cytokine</i> , <b>1991</b> , 3, 299-310	4	30
82	Dysregulation of autophagy in chronic lymphocytic leukemia with the small-molecule Sirtuin inhibitor Tenovin-6. <i>Scientific Reports</i> , <b>2013</b> , 3, 1275	4.9	29
81	Bfsp2 mutation found in mouse 129 strains causes the loss of CP49 and induces vimentin-dependent changes in the lens fibre cell cytoskeleton. <i>Experimental Eye Research</i> , <b>2004</b> , 78, 109-23	3.7	29
80	A correlated study of metabolic cell communication and gap junction distribution in the adult frog lens. <i>Experimental Eye Research</i> , <b>1994</b> , 58, 737-46	3.7	29
79	An intranucleolar body associated with rDNA. <i>Chromosoma</i> , <b>2011</b> , 120, 481-99	2.8	28
78	Transformation of monomorphic <i>Trypanosoma brucei</i> bloodstream form trypomastigotes into procyclic forms at 37 degrees C by removing glucose from the culture medium. <i>Molecular and Biochemical Parasitology</i> , <b>1998</b> , 94, 99-112	1.9	27
77	Molecular mechanism of elongation factor 1A inhibition by a <i>Legionella pneumophila</i> glycosyltransferase. <i>Biochemical Journal</i> , <b>2010</b> , 426, 281-92	3.8	25
76	A synthetic system for expression of components of a bacterial microcompartment. <i>Microbiology (United Kingdom)</i> , <b>2013</b> , 159, 2427-2436	2.9	24
75	Association of the nuclear matrix component NuMA with the Cajal body and nuclear speckle compartments during transitions in transcriptional activity in lens cell differentiation. <i>European Journal of Cell Biology</i> , <b>2002</b> , 81, 557-66	6.1	23
74	Sigma receptor antagonists inhibit human lens cell growth and induce pigmentation. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 1403-8		23
73	Diamide induces reversible changes in morphology, cytoskeleton and cell-cell coupling in lens epithelial cells. <i>Experimental Eye Research</i> , <b>1991</b> , 52, 83-92	3.7	23
72	A crucial role for $\beta$ integrins in podosome formation, dynamics and Toll-like-receptor-signaled disassembly in dendritic cells. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 4213-24	5.3	22
71	A role for PP1/NIPP1 in steering migration of human cancer cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e40769	3.7	22



70	The spontaneously adhesive leukocyte function-associated antigen-1 (LFA-1) integrin in effector T cells mediates rapid actin- and calmodulin-dependent adhesion strengthening to ligand under shear flow. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 14698-708	5.4	21
69	Fate of glycosylphosphatidylinositol (GPI)-less procyclin and characterization of sialylated non-GPI-anchored surface coat molecules of procyclic-form <i>Trypanosoma brucei</i> . <i>Eukaryotic Cell</i> , <b>2009</b> , 8, 1407-17		21
68	DEAF1 is a Pellino1-interacting protein required for interferon production by Sendai virus and double-stranded RNA. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 24569-80	5.4	20
67	Mechanism of activation of SGK3 by growth factors via the Class 1 and Class 3 PI3Ks. <i>Biochemical Journal</i> , <b>2018</b> , 475, 117-135	3.8	20
66	Brd4-Brd2 isoform switching coordinates pluripotent exit and Smad2-dependent lineage specification. <i>EMBO Reports</i> , <b>2017</b> , 18, 1108-1122	6.5	19
65	PAWS1 controls cytoskeletal dynamics and cell migration through association with the SH3 adaptor CD2AP. <i>Journal of Cell Science</i> , <b>2018</b> , 131,	5.3	19
64	The intermediate filament systems in the eye lens. <i>Methods in Cell Biology</i> , <b>2004</b> , 78, 597-624	1.8	19
63	Membrane and junctional properties of the isolated frog lens epithelium. <i>Journal of Membrane Biology</i> , <b>1988</b> , 102, 195-204	2.3	19
62	ZNRF2 is released from membranes by growth factors and, together with ZNRF1, regulates the Na <sup>+</sup> /K <sup>+</sup> ATPase. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 4662-75	5.3	18
61	Expression and localisation of apical junctional complex proteins in lens epithelial cells. <i>Experimental Eye Research</i> , <b>2008</b> , 87, 64-70	3.7	18
60	Endocytosis of DNA-Hsp65 alters the pH of the late endosome/lysosome and interferes with antigen presentation. <i>PLoS ONE</i> , <b>2007</b> , 2, e923	3.7	18
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