Ralph H Kehlenbach

List of Publications by Year
in descending order

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71 papers	3,661 citations	159358 30 h-index	133063 59 g-index
72 all docs	72 docs citations	72 times ranked	4087 citing authors

#	Article	IF	Citations
1	CRM1-mediated nuclear export: to the pore and beyond. Trends in Cell Biology, 2007, 17, 193-201.	3.6	321
2	XLÎ±s is a new type of G protein. Nature, 1994, 372, 804-809.	13.7	228
3	A Role for RanBP1 in the Release of CRM1 from the Nuclear Pore Complex in a Terminal Step of Nuclear Export. Journal of Cell Biology, 1999, 145, 645-657.	2.3	205
4	Nucleocytoplasmic Shuttling Factors Including Ran and CRM1 Mediate Nuclear Export of NFAT In Vitro. Journal of Cell Biology, 1998, 141, 863-874.	2.3	167
5	Resolution doubling in fluorescence microscopy with confocal spinning-disk image scanning microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 21000-21005.	3.3	144
6	The Part and the Whole: functions of nucleoporins in nucleocytoplasmic transport. Trends in Cell Biology, 2010, 20, 461-469.	3.6	140
7	Nup214 Is Required for CRM1-Dependent Nuclear Protein Export In Vivo. Molecular and Cellular Biology, 2006, 26, 6772-6785.	1.1	138
8	The Nup358-RanGAP Complex Is Required for Efficient Importin Î±/Î²-dependent Nuclear Import. Molecular Biology of the Cell, 2008, 19, 2300-2310.	0.9	122
9	Nup50, a Nucleoplasmically Oriented Nucleoporin with a Role in Nuclear Protein Export. Molecular and Cellular Biology, 2000, 20, 5619-5630.	1.1	118
10	Characterization of the Extra-large G Protein Î±-Subunit XLÎ±s. Journal of Biological Chemistry, 2000, 275, 33622-33632.	1.6	108
11	Nuclear egress of TDP-43 and FUS occurs independently of Exportin-1/CRM1. Scientific Reports, 2018, 8, 7084.	1.6	108
12	Ran-dependent docking of importin-Î² to RanBP2/Nup358 filaments is essential for protein import and cell viability. Journal of Cell Biology, 2011, 194, 597-612.	2.3	104
13	The nuclear pore component Nup358 promotes transportin-dependent nuclear import. Journal of Cell Science, 2009, 122, 1100-1110.	1.2	89
14	Characterization of the Extra-large G Protein Î±-Subunit XLÎ±s. Journal of Biological Chemistry, 2000, 275, 33633-33640.	1.6	88
15	Identification of CRM1-dependent Nuclear Export Cargos Using Quantitative Mass Spectrometry. Molecular and Cellular Proteomics, 2013, 12, 664-678.	2.5	85
16	Structural and Functional Characterization of CRM1-Nup214 Interactions Reveals Multiple FG-Binding Sites Involved in Nuclear Export. Cell Reports, 2015, 13, 690-702.	2.9	84
17	Multiple Importins Function as Nuclear Transport Receptors for the Rev Protein of Human Immunodeficiency Virus Type 1. Journal of Biological Chemistry, 2006, 281, 20883-20890.	1.6	79
18	The Nucleoporin <scp>Nup</scp>358/<scp>Ran</scp>BP2 Promotes Nuclear Import in a Cargoâ€•and Transport Receptorâ€Specific Manner. Traffic, 2012, 13, 218-233.	1.3	71

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19	Expression of CD83 Is Regulated by HuR via a Novel cis-Active Coding Region RNA Element. Journal of Biological Chemistry, 2006, 281, 10912-10925.	1.6	68
20	Nuclear Pore Complexes and Nucleocytoplasmic Transport. International Review of Cell and Molecular Biology, 2015, 320, 171-233.	1.6	68
21	Nuclear Import of c-Jun Is Mediated by Multiple Transport Receptors. Journal of Biological Chemistry, 2007, 282, 27685-27692.	1.6	65
22	Phosphorylation of the Nuclear Transport Machinery Down-regulates Nuclear Protein Import in Vitro. Journal of Biological Chemistry, 2000, 275, 17848-17856.	1.6	62
23	Analysis of Nucleocytoplasmic Trafficking of the HuR Ligand APRIL and Its Influence on CD83 Expression. Journal of Biological Chemistry, 2007, 282, 4504-4515.	1.6	62
24	Notch1 signaling is mediated by importins alpha 3, 4, and 7. Cellular and Molecular Life Sciences, 2010, 67, 3187-3196.	2.4	59
25	Defective nuclear import of Tpr in Progeria reflects the Ran sensitivity of large cargo transport. Journal of Cell Biology, 2013, 201, 541-557.	2.3	58
26	The Anti-inflammatory Prostaglandin 15-Deoxy-Î”12,14-PGJ2 Inhibits CRM1-dependent Nuclear Protein Export. Journal of Biological Chemistry, 2010, 285, 22202-22210.	1.6	45
27	Identification and functional dissection of localization signals within ataxin-3. Neurobiology of Disease, 2009, 36, 280-292.	2.1	42
28	Herpes Simplex Virus ICP27 Protein Directly Interacts with the Nuclear Pore Complex through Nup62, Inhibiting Host Nucleocytoplasmic Transport Pathways. Journal of Biological Chemistry, 2012, 287, 12277-12292.	1.6	42
29	Three-Dimensional Reconstruction of Nuclear Envelope Architecture Using Dual-Color Metal-Induced Energy Transfer Imaging. ACS Nano, 2017, 11, 11839-11846.	7.3	42
30	<i>In Vivo</i> Labelling of Adenovirus DNA Identifies Chromatin Anchoring and Biphasic Genome Replication. Journal of Virology, 2018, 92, .	1.5	37
31	Stimulation of Nuclear Export and Inhibition of Nuclear Import by a Ran Mutant Deficient in Binding to Ran-binding Protein 1. Journal of Biological Chemistry, 2001, 276, 14524-14531.	1.6	32
32	Stimulated Expression of mRNAs in Activated T Cells Depends on a Functional CRM1 Nuclear Export Pathway. Journal of Molecular Biology, 2006, 358, 997-1009.	2.0	32
33	Several Phenylalanine-Glycine Motives in the Nucleoporin Nup214 Are Essential for Binding of the Nuclear Export Receptor CRM1. Journal of Biological Chemistry, 2013, 288, 3952-3963.	1.6	32
34	Proteomic mapping by rapamycin-dependent targeting of APEX2 identifies binding partners of VAPB at the inner nuclear membrane. Journal of Biological Chemistry, 2019, 294, 16241-16254.	1.6	30
35	Transportin Is a Major Nuclear Import Receptor for c-Fos. Journal of Biological Chemistry, 2006, 281, 5492-5499.	1.6	29
36	Into the basket and beyond: the journey of mRNA through the nuclear pore complex. Biochemical Journal, 2020, 477, 23-44.	1.7	29

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37	The cargo spectrum of nuclear transport receptors. Current Opinion in Cell Biology, 2019, 58, 1-7.	2.6	28
38	The RNA-binding protein FUS is chaperoned and imported into the nucleus by a network of import receptors. Journal of Biological Chemistry, 2021, 296, 100659.	1.6	27
39	Emery-Dreifuss muscular dystrophy mutations impair TRC40-mediated targeting of emerin to the inner nuclear membrane. Journal of Cell Science, 2016, 129, 502-16.	1.2	26
40	Biallelic mutations in nucleoporin NUP88 cause lethal fetal akinesia deformation sequence. PLoS Genetics, 2018, 14, e1007845.	1.5	26
41	The Interactome of the VAP Family of Proteins: An Overview. Cells, 2021, 10, 1780.	1.8	25
42	Importin 7 and Nup358 Promote Nuclear Import of the Protein Component of Human Telomerase. PLoS ONE, 2014, 9, e88887.	1.1	24
43	MD Simulations and FRET Reveal an Environment-Sensitive Conformational Plasticity of Importin-Î². Biophysical Journal, 2015, 109, 277-286.	0.2	23
44	Extensive Identification and In-depth Validation of Importin 13 Cargoes. Molecular and Cellular Proteomics, 2018, 17, 1337-1353.	2.5	23
45	The nucleoporin-like protein NLP1 (hCG1) promotes CRM1-dependent nuclear protein export. Journal of Cell Science, 2012, 125, 144-154.	1.2	22
46	Distinct functions of the dual leucine zipper kinase depending on its subcellular localization. Cellular Signalling, 2016, 28, 272-283.	1.7	20
47	The Oncogenic Fusion Proteins SET-Nup214 and Sequestosome-1 (SQSTM1)-Nup214 Form Dynamic Nuclear Bodies and Differentially Affect Nuclear Protein and Poly(A)+ RNA Export. Journal of Biological Chemistry, 2016, 291, 23068-23083.	1.6	19
48	In vitro analysis of nuclear mRNA export using molecular beacons for target detection. Nucleic Acids Research, 2003, 31, 64e-64.	6.5	18
49	Human PDCD2L Is an Export Substrate of CRM1 That Associates with 40S Ribosomal Subunit Precursors. Molecular and Cellular Biology, 2016, 36, 3019-3032.	1.1	17
50	Functional Characterization of the HuR:CD83 mRNA Interaction. PLoS ONE, 2011, 6, e23290.	1.1	15
51	GCN5L1 interacts with Î±TAT1 and RanBP2 to regulate hepatic Î±-tubulin acetylation and lysosome trafficking. Journal of Cell Science, 2018, 131, .	1.2	15
52	Post-transcriptional regulation of CD83 expression by AUF1 proteins. Nucleic Acids Research, 2013, 41, 206-219.	6.5	14
53	Targeting of LRRC59 to the Endoplasmic Reticulum and the Inner Nuclear Membrane. International Journal of Molecular Sciences, 2019, 20, 334.	1.8	14
54	Nup358 and Transportin 1 Cooperate in Adenoviral Genome Import. Journal of Virology, 2020, 94, .	1.5	11

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55	Novel Approaches for the Identification of Nuclear Transport Receptor Substrates. Methods in Cell Biology, 2014, 122, 353-378.	0.5	9
56	Probing the Environment of Emerin by Enhanced Ascorbate Peroxidase 2 (APEX2)-Mediated Proximity Labeling. Cells, 2020, 9, 605.	1.8	9
57	A nuclear export sequence promotes CRM1-dependent targeting of the nucleoporin Nup214 to the nuclear pore complex. Journal of Cell Science, 2021, 134, .	1.2	7
58	CORRECTIONS: XLÎ±s is a new type of G protein. Nature, 1995, 375, 253-253.	13.7	6
59	Analysis of Nuclear Protein Import and Export In Vitro Using Fluorescent Cargoes. , 2002, 189, 231-245.		6
60	The nuclear pore proteins Nup88/214 and T-cell acute lymphatic leukemiaâ€"associated NUP214 fusion proteins regulate Notch signaling. Journal of Biological Chemistry, 2019, 294, 11741-11750.	1.6	5
61	The SQSTM1-NUP214 fusion protein interacts with Crm1, activates Hoxa and Meis1 genes, and drives leukemogenesis in mice. PLoS ONE, 2020, 15, e0232036.	1.1	4
62	CRM1 Promotes Capsid Disassembly and Nuclear Envelope Translocation of Adenovirus Independently of Its Export Function. Journal of Virology, 2022, 96, JVI0127321.	1.5	4
63	Sequestosome 1 Is Part of the Interaction Network of VAPB. International Journal of Molecular Sciences, 2021, 22, 13271.	1.8	3
64	Analysis of Nucleocytoplasmic Transport in Digitonin-Permeabilized Cells Under Different Cellular Conditions. Methods in Cell Biology, 2014, 122, 331-352.	0.5	2
65	Combining dehydration, construct optimization and improved data collection to solve the crystal structure of a CRM1â€"RanGTPâ€"SPN1â€"Nup214 quaternary nuclear export complex. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 1481-1487.	0.4	2
66	Analysis of CRM1-Dependent Nuclear Export in Permeabilized Cells. Methods in Molecular Biology, 2016, 1411, 489-501.	0.4	2
67	Dual-Color Metal-Induced Energy Transfer (MIET) Imaging for Three-Dimensional Reconstruction of Nuclear Envelope Architecture. Methods in Molecular Biology, 2020, 2175, 33-45.	0.4	1
68	Title is missing!. , 2020, 15, e0232036.		0
69	Title is missing!. , 2020, 15, e0232036.		0
70	Title is missing!. , 2020, 15, e0232036.		0
71	Title is missing!. , 2020, 15, e0232036.		0