James M Murphy

List of Publications by Year
in descending order

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152 papers	11,051 citations	28274 55 h-index	37204 96 g-index
167 all docs	167 docs citations	167 times ranked	11836 citing authors

#	Article	IF	Citations
1	The web of death: the expanding complexity of necroptotic signaling. Trends in Cell Biology, 2023, 33, 162-174.	7.9	18
2	Ferroptosis mediates selective motor neuron death in amyotrophic lateral sclerosis. Cell Death and Differentiation, 2022, 29, 1187-1198.	11.2	63
3	Co-expression of recombinant RIPK3:MLKL complexes using the baculovirus-insect cell system. Methods in Enzymology, 2022, 667, 183-227.	1.0	5
4	Is E-cigarette Use Associated With Persistence or Discontinuation of Combustible Cigarettes? A 24-Month Longitudinal Investigation in Young Adult Binge Drinkers. Nicotine and Tobacco Research, 2022, 24, 962-969.	2.6	2
5	Membrane permeabilization is mediated by distinct epitopes in mouse and human orthologs of the necroptosis effector, MLKL. Cell Death and Differentiation, 2022, 29, 1804-1815.	11.2	22
6	The Lck inhibitor, AMG-47a, blocks necroptosis and implicates RIPK1 in signalling downstream of MLKL. Cell Death and Disease, 2022, 13, 291.	6.3	10
7	CRISPR deletions in cell lines for reconstitution studies of pseudokinase function. Methods in Enzymology, 2022, 667, 229-273.	1.0	0
8	Development of NanoLuc-targeting protein degraders and a universal reporter system to benchmark tag-targeted degradation platforms. Nature Communications, 2022, 13, 2073.	12.8	11
9	Ubiquitylation of RIPK3 beyond-the-RHIM can limit RIPK3 activity and cell death. IScience, 2022, 25, 104632.	4.1	3
10	Human RIPK3 C-lobe phosphorylation is essential for necroptotic signaling. Cell Death and Disease, 2022, 13, .	6.3	9
11	Necroptosis is dispensable for the development of inflammation-associated or sporadic colon cancer in mice. Cell Death and Differentiation, 2021, 28, 1466-1476.	11.2	28
12	Phosphorylation by Aurora B kinase regulates caspase-2 activity and function. Cell Death and Differentiation, 2021, 28, 349-366.	11.2	18
13	The regulation of necroptosis by post-translational modifications. Cell Death and Differentiation, 2021, 28, 861-883.	11.2	70
14	The necroptotic cell death pathway operates in megakaryocytes, but not in platelet synthesis. Cell Death and Disease, 2021, 12, 133.	6.3	8
15	Thereâ€™s more to death than life: Noncatalytic functions in kinase and pseudokinase signaling. Journal of Biological Chemistry, 2021, 296, 100705.	3.4	52
16	Location, location, location: A compartmentalized view of TNF-induced necroptotic signaling. Science Signaling, 2021, 14, .	3.6	53
17	Granulovirus PK-1 kinase activity relies on a side-to-side dimerization mode centered on the regulatory Î±C helix. Nature Communications, 2021, 12, 1002.	12.8	7
18	A toolbox for imaging RIPK1, RIPK3, and MLKL in mouse and human cells. Cell Death and Differentiation, 2021, 28, 2126-2144.	11.2	37

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19	For Whom the Bell Tolls: The Structure of the Dead Kinase, IRAK3. Structure, 2021, 29, 197-199.	3.3	1
20	Mechanism of NanR gene repression and allosteric induction of bacterial sialic acid metabolism. Nature Communications, 2021, 12, 1988.	12.8	16
21	A family harboring an MLKL loss of function variant implicates impaired necroptosis in diabetes. Cell Death and Disease, 2021, 12, 345.	6.3	26
22	Conformational interconversion of MLKL and disengagement from RIPK3 precede cell death by necroptosis. Nature Communications, 2021, 12, 2211.	12.8	56
23	The ubiquitylation of IL-1Î² limits its cleavage by caspase-1 and targets it for proteasomal degradation. Nature Communications, 2021, 12, 2713.	12.8	40
24	Ubiquitylation of MLKL at lysine 219 positively regulates necroptosis-induced tissue injury and pathogen clearance. Nature Communications, 2021, 12, 3364.	12.8	43
25	Add necroptosis to your asthma action plan. Immunology and Cell Biology, 2021, 99, 800-802.	2.3	1
26	SMCHD1's ubiquitin-like domain is required for N-terminal dimerization and chromatin localization. Biochemical Journal, 2021, 478, 2555-2569.	3.7	2
27	Necroptosis Signaling Promotes Inflammation, Airway Remodeling, and Emphysema in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 667-681.	5.6	85
28	The intracellular domains of the EphB6 and EphA10 receptor tyrosine pseudokinases function as dynamic signalling hubs. Biochemical Journal, 2021, 478, 3351-3371.	3.7	6
29	Structural and functional analysis of target recognition by the lymphocyte adaptor protein LNK. Nature Communications, 2021, 12, 6110.	12.8	6
30	Oligomerizationâ€driven MLKL ubiquitylation antagonizes necroptosis. EMBO Journal, 2021, 40, e103718.	7.8	39
31	Human RIPK3 maintains MLKL in an inactive conformation prior to cell death by necroptosis. Nature Communications, 2021, 12, 6783.	12.8	47
32	The Killer Pseudokinase Mixed Lineage Kinase Domain-Like Protein (MLKL). Cold Spring Harbor Perspectives in Biology, 2020, 12, a036376.	5.5	56
33	The PEAK family of pseudokinases, their role in cell signalling and cancer. FEBS Journal, 2020, 287, 4183-4197.	4.7	20
34	Necroptosis is dispensable for motor neuron degeneration in a mouse model of ALS. Cell Death and Differentiation, 2020, 27, 1728-1739.	11.2	56
35	Discovery of a Family of Mixed Lineage Kinase Domain-like Proteins in Plants and Their Role in Innate Immune Signaling. Cell Host and Microbe, 2020, 28, 813-824.e6.	11.0	50
36	BAK core dimers bind lipids and can be bridged by them. Nature Structural and Molecular Biology, 2020, 27, 1024-1031.	8.2	49

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37	Potent Inhibition of Necroptosis by Simultaneously Targeting Multiple Effectors of the Pathway. ACS Chemical Biology, 2020, 15, 2702-2713.	3.4	22
38	Crystal structure of the hinge domain of Smchd1 reveals its dimerization mode and nucleic acidâ€“binding residues. Science Signaling, 2020, 13, .	3.6	12
39	Distinct pseudokinase domain conformations underlie divergent activation mechanisms among vertebrate MLKL orthologues. Nature Communications, 2020, 11, 3060.	12.8	47
40	MLKL trafficking and accumulation at the plasma membrane control the kinetics and threshold for necroptosis. Nature Communications, 2020, 11, 3151.	12.8	194
41	A missense mutation in the MLKL brace region promotes lethal neonatal inflammation and hematopoietic dysfunction. Nature Communications, 2020, 11, 3150.	12.8	75
42	Identification of MLKL membrane translocation as a checkpoint in necroptotic cell death using Monobodies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8468-8475.	7.1	64
43	Structure-based mechanism of preferential complex formation by apoptosis signalâ€“regulating kinases. Science Signaling, 2020, 13, .	3.6	18
44	Relating SMCHD1 structure to its function in epigenetic silencing. Biochemical Society Transactions, 2020, 48, 1751-1763.	3.4	12
45	Eph receptor signalling: from catalytic to non-catalytic functions. Oncogene, 2019, 38, 6567-6584.	5.9	88
46	Emerging concepts in pseudoenzyme classification, evolution, and signaling. Science Signaling, 2019, 12, .	3.6	80
47	The long-awaited structure of HIPK2. Journal of Biological Chemistry, 2019, 294, 13560-13561.	3.4	3
48	Viral MLKL Homologs Subvert Necroptotic Cell Death by Sequestering Cellular RIPK3. Cell Reports, 2019, 28, 3309-3319.e5.	6.4	83
49	SMCHD1 is involved in<i>de novo</i>methylation of the<i>DUX4</i>-encoding D4Z4 macrosatellite. Nucleic Acids Research, 2019, 47, 2822-2839.	14.5	39
50	Activated MLKL attenuates autophagy following its translocation to intracellular membranes. Journal of Cell Science, 2019, 132, .	2.0	45
51	The Pyroptotic Cell Death Effector Gasdermin D Is Activated by Gout-Associated Uric Acid Crystals but Is Dispensable for Cell Death and IL-1Î² Release. Journal of Immunology, 2019, 203, 736-748.	0.8	93
52	Regulated necrosis in kidney ischemia-reperfusion injury. Kidney International, 2019, 96, 291-301.	5.2	191
53	The anticonvulsive PhenhydanÂ® suppresses extrinsic cell death. Cell Death and Differentiation, 2019, 26, 1631-1645.	11.2	28
54	The Structural Basis of Necroptotic Cell Death Signaling. Trends in Biochemical Sciences, 2019, 44, 53-63.	7.5	125

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55	The molecular basis of JAK/STAT inhibition by SOCS1. Nature Communications, 2018, 9, 1558.	12.8	298
56	An optimized SEC-SAXS system enabling high X-ray dose for rapid SAXS assessment with correlated UV measurements for biomolecular structure analysis. Journal of Applied Crystallography, 2018, 51, 97-111.	4.5	61
57	The brace helices of MLKL mediate interdomain communication and oligomerisation to regulate cell death by necroptosis. Cell Death and Differentiation, 2018, 25, 1567-1580.	11.2	66
58	Monosodium Urate Crystals Generate Nuclease-Resistant Neutrophil Extracellular Traps via a Distinct Molecular Pathway. Journal of Immunology, 2018, 200, 1802-1816.	0.8	98
59	Identification of a second binding site on the TRIM25 B30.2 domain. Biochemical Journal, 2018, 475, 429-440.	3.7	11
60	Transferrin receptor 1 is a reticulocyte-specific receptor for <i>Plasmodium vivax</i>. Science, 2018, 359, 48-55.	12.6	158
61	Smchd1 Targeting to the Inactive X Is Dependent on the Xist-HnrnpK-PRC1 Pathway. Cell Reports, 2018, 25, 1912-1923.e9.	6.4	56
62	A bidentate Polycomb Repressive-Deubiquitinase complex is required for efficient activity on nucleosomes. Nature Communications, 2018, 9, 3932.	12.8	25
63	Cryo-EM structure of an essential Plasmodium vivax invasion complex. Nature, 2018, 559, 135-139.	27.8	43
64	FSHD2- and BAMS-associated mutations confer opposing effects on SMCHD1 function. Journal of Biological Chemistry, 2018, 293, 9841-9853.	3.4	33
65	Smchd1 regulates long-range chromatin interactions on the inactive X chromosome and at Hox clusters. Nature Structural and Molecular Biology, 2018, 25, 766-777.	8.2	84
66	Conformational switching of the pseudokinase domain promotes human MLKL tetramerization and cell death by necroptosis. Nature Communications, 2018, 9, 2422.	12.8	154
67	CHAPTER 13. A Structural Perspective of the Pseudokinome: Defining the Targetable Space. RSC Drug Discovery Series, 2018, , 359-380.	0.3	3
68	Active MLKL triggers the NLRP3 inflammasome in a cell-intrinsic manner. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E961-E969.	7.1	337
69	De novo mutations in SMCHD1 cause Bosma arhinia microphthalmia syndrome and abrogate nasal development. Nature Genetics, 2017, 49, 249-255.	21.4	88
70	EspL is a bacterial cysteine protease effector that cleaves RHIM proteins to block necroptosis and inflammation. Nature Microbiology, 2017, 2, 16258.	13.3	141
71	The Epigenetic Regulator SMCHD1 in Development and Disease. Trends in Genetics, 2017, 33, 233-243.	6.7	51
72	Regression of devil facial tumour disease following immunotherapy in immunised Tasmanian devils. Scientific Reports, 2017, 7, 43827.	3.3	64

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73	Structural basis of autoregulatory scaffolding by apoptosis signal-regulating kinase 1. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2096-E2105.	7.1	34
74	Bio-Zombie: the rise of pseudoenzymes in biology. Biochemical Society Transactions, 2017, 45, 537-544.	3.4	85
75	MK2 Phosphorylates RIPK1 to Prevent TNF-Induced Cell Death. Molecular Cell, 2017, 66, 698-710.e5.	9.7	242
76	Down the rabbit hole: Is necroptosis truly an innate response to infection?. Cellular Microbiology, 2017, 19, e12750.	2.1	31
77	The secret life of kinases: insights into non-catalytic signalling functions from pseudokinases. Biochemical Society Transactions, 2017, 45, 665-681.	3.4	71
78	Necroptosis and ferroptosis are alternative cell death pathways that operate in acute kidney failure. Cellular and Molecular Life Sciences, 2017, 74, 3631-3645.	5.4	261
79	Laser-mediated rupture of chlamydial inclusions triggers pathogen egress and host cell necrosis. Nature Communications, 2017, 8, 14729.	12.8	17
80	Insane in the membrane: a structural perspective of MLKL function in necroptosis. Immunology and Cell Biology, 2017, 95, 152-159.	2.3	67
81	Structure of SgK223 pseudokinase reveals novel mechanisms of homotypic and heterotypic association. Nature Communications, 2017, 8, 1157.	12.8	40
82	Live and let die: insights into pseudoenzyme mechanisms from structure. Current Opinion in Structural Biology, 2017, 47, 95-104.	5.7	91
83	Characterization of Ligand Binding to Pseudokinases Using a Thermal Shift Assay. Methods in Molecular Biology, 2017, 1636, 91-104.	0.9	14
84	The pseudokinase MLKL mediates programmed hepatocellular necrosis independently of RIPK3 during hepatitis. Journal of Clinical Investigation, 2016, 126, 4346-4360.	8.2	130
85	PD-L1 Is Not Constitutively Expressed on Tasmanian Devil Facial Tumor Cells but Is Strongly Upregulated in Response to IFN-Î³ and Can Be Expressed in the Tumor Microenvironment. Frontiers in Immunology, 2016, 7, 581.	4.8	41
86	Mitogenâ€activated Tasmanian devil blood mononuclear cells kill devil facial tumour disease cells. Immunology and Cell Biology, 2016, 94, 673-679.	2.3	19
87	Analysis of the N-terminal region of human MLKL, as well as two distinct MLKL isoforms, reveals new insights into necroptotic cell death. Bioscience Reports, 2016, 36, e00291.	2.4	21
88	The Highway to Hell: A RIP Kinase-Directed Shortcut to Inflammatory Cytokine Production. Immunity, 2016, 45, 1-3.	14.3	20
89	The evolving world of pseudoenzymes: proteins, prejudice and zombies. BMC Biology, 2016, 14, 98.	3.8	78
90	The epigenetic regulator Smchd1 contains a functional GHKL-type ATPase domain. Biochemical Journal, 2016, 473, 1733-1744.	3.7	25

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91	Evolution of Protein Quaternary Structure in Response to Selective Pressure for Increased Thermostability. Journal of Molecular Biology, 2016, 428, 2359-2371.	4.2	40
92	Evolutionary divergence of the necroptosis effector MLKL. Cell Death and Differentiation, 2016, 23, 1185-1197.	11.2	93
93	The hinge domain of the epigenetic repressor Smchd1 adopts an unconventional homodimeric configuration. Biochemical Journal, 2016, 473, 733-742.	3.7	19
94	Structurally conserved erythrocyte-binding domain in <i>Plasmodium</i> provides a versatile scaffold for alternate receptor engagement. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E191-200.	7.1	43
95	HSP90 activity is required for MLKL oligomerisation and membrane translocation and the induction of necroptotic cell death. Cell Death and Disease, 2016, 7, e2051-e2051.	6.3	123
96	A tale of two domains â€" a structural perspective of the pseudokinase, <scp>MLKL</scp>. FEBS Journal, 2015, 282, 4268-4278.	4.7	24
97	Necroptosis signalling is tuned by phosphorylation of MLKL residues outside the pseudokinase domain activation loop. Biochemical Journal, 2015, 471, 255-265.	3.7	91
98	Flicking the molecular switch underlying MLKL-mediated necroptosis. Molecular and Cellular Oncology, 2015, 2, e985550.	0.7	3
99	Structure and Functional Characterization of the Conserved JAK Interaction Region in the Intrinsically Disordered N-Terminus of SOCS5. Biochemistry, 2015, 54, 4672-4682.	2.5	14
100	A RIPK2 inhibitor delays NOD signalling events yet prevents inflammatory cytokine production. Nature Communications, 2015, 6, 6442.	12.8	112
101	Molecular Mechanism of CCAAT-Enhancer Binding Protein Recruitment by the TRIB1 Pseudokinase. Structure, 2015, 23, 2111-2121.	3.3	93
102	Genome-wide binding and mechanistic analyses of Smchd1-mediated epigenetic regulation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3535-44.	7.1	83
103	Post-translational control of RIPK3 and MLKL mediated necroptotic cell death. F1000Research, 2015, 4, 1297.	1.6	40
104	TNFR1-dependent cell death drives inflammation in Sharpin-deficient mice. ELife, 2014, 3, .	6.0	232
105	cIAPs and XIAP regulate myelopoiesis through cytokine production in an RIPK1- and RIPK3-dependent manner. Blood, 2014, 123, 2562-2572.	1.4	145
106	Necroptosis induced by RIPK3 requires MLKL but not Drp1. Cell Death and Disease, 2014, 5, e1086-e1086.	6.3	89
107	Insights into the evolution of divergent nucleotide-binding mechanisms among pseudokinases revealed by crystal structures of human and mouse MLKL. Biochemical Journal, 2014, 457, 369-377.	3.7	92
108	Mechanistic insights into activation and SOCS3-mediated inhibition of myeloproliferative neoplasm-associated JAK2 mutants from biochemical and structural analyses. Biochemical Journal, 2014, 458, 395-405.	3.7	33

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109	Crystal structure of the mouse interleukin-3 Î²-receptor: insights into interleukin-3 binding and receptor activation. Biochemical Journal, 2014, 463, 393-403.	3.7	5
110	Functional characterization of c-Mpl ectodomain mutations that underlie congenital amegakaryocytic thrombocytopenia. Growth Factors, 2014, 32, 18-26.	1.7	16
111	A robust methodology to subclassify pseudokinases based on their nucleotide-binding properties. Biochemical Journal, 2014, 457, 323-334.	3.7	241
112	More to life than death: molecular determinants of necroptotic and non-necroptotic RIP3 kinase signaling. Current Opinion in Immunology, 2014, 26, 76-89.	5.5	71
113	RIPK1 Regulates RIPK3-MLKL-Driven Systemic Inflammation and Emergency Hematopoiesis. Cell, 2014, 157, 1175-1188.	28.9	492
114	Ars Moriendi; the art of dying well â€" new insights into the molecular pathways of necroptotic cell death. EMBO Reports, 2014, 15, 155-164.	4.5	62
115	Activation of the pseudokinase MLKL unleashes the four-helix bundle domain to induce membrane localization and necroptotic cell death. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15072-15077.	7.1	484
116	The molecular regulation of Janus kinase (JAK) activation. Biochemical Journal, 2014, 462, 1-13.	3.7	251
117	RIPK1- and RIPK3-induced cell death mode is determined by target availability. Cell Death and Differentiation, 2014, 21, 1600-1612.	11.2	129
118	LymphotoxinÂÎ± induces apoptosis, necroptosis and inflammatory signals with the same potency as tumour necrosis factor. FEBS Journal, 2013, 280, 5283-5297.	4.7	57
119	The Pseudokinase MLKL Mediates Necroptosis via a Molecular Switch Mechanism. Immunity, 2013, 39, 443-453.	14.3	958
120	TNF can activate RIPK3 and cause programmed necrosis in the absence of RIPK1. Cell Death and Disease, 2013, 4, e465-e465.	6.3	130
121	SOCS3 binds specific receptorâ€"JAK complexes to control cytokine signaling by direct kinase inhibition. Nature Structural and Molecular Biology, 2013, 20, 469-476.	8.2	229
122	In Vitro JAK Kinase Activity and Inhibition Assays. Methods in Molecular Biology, 2013, 967, 39-55.	0.9	16
123	Dawn of the dead: protein pseudokinases signal new adventures in cell biology. Biochemical Society Transactions, 2013, 41, 969-974.	3.4	93
124	Regulation of Janus kinases by SOCS proteins. Biochemical Society Transactions, 2013, 41, 1042-1047.	3.4	62
125	Epigenetic Regulator Smchd1 Functions as a Tumor Suppressor. Cancer Research, 2013, 73, 1591-1599.	0.9	42
126	Techniques to examine nucleotide binding by pseudokinases. Biochemical Society Transactions, 2013, 41, 975-980.	3.4	15

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127	High Yield Production of a Soluble Human Interleukin-3 Variant from E. coli with Wild-Type Bioactivity and Improved Radiolabeling Properties. PLoS ONE, 2013, 8, e74376.	2.5	13
128	Suppressor of Cytokine Signaling (SOCS) 5 Utilises Distinct Domains for Regulation of JAK1 and Interaction with the Adaptor Protein Shc-1. PLoS ONE, 2013, 8, e70536.	2.5	42
129	Suppression of Cytokine Signaling by SOCS3: Characterization of the Mode of Inhibition and the Basis of Its Specificity. Immunity, 2012, 36, 239-250.	14.3	240
130	Murine Interleukin-3: Structure, Dynamics, and Conformational Heterogeneity in Solution. Biochemistry, 2011, 50, 2464-2477.	2.5	18
131	Exchange enhanced sensitivity gain for solvent-exchangeable protons in 2D 1Hâ€“15N heteronuclear correlation spectra acquired with band-selective pulses. Journal of Magnetic Resonance, 2011, 211, 243-247.	2.1	13
132	An Efficient High-Throughput Screening Method for MYST Family Acetyltransferases, a New Class of Epigenetic Drug Targets. Journal of Biomolecular Screening, 2011, 16, 1196-1205.	2.6	43
133	Critical roles for c-Myb in lymphoid priming and early B-cell development. Blood, 2010, 115, 2796-2805.	1.4	62
134	The Ig-like domain of human GM-CSF receptor Î± plays a critical role in cytokine binding and receptor activation. Biochemical Journal, 2010, 426, 307-317.	3.7	19
135	1H, 13C and 15N resonance assignments of a highly-soluble murine interleukin-3 analogue with wild-type bioactivity. Biomolecular NMR Assignments, 2010, 4, 73-77.	0.8	6
136	The Role of Interchain Heterodisulfide Formation in Activation of the Human Common Î² and Mouse Î²IL-3 Receptors. Journal of Biological Chemistry, 2010, 285, 24759-24768.	3.4	2
137	Two Modes of Î²-Receptor Recognition Are Mediated by Distinct Epitopes on Mouse and Human Interleukin-3. Journal of Biological Chemistry, 2010, 285, 22370-22381.	3.4	9
138	A convenient method for preparation of an engineered mouse interleukin-3 analog with high solubility and wild-type bioactivity. Growth Factors, 2010, 28, 104-110.	1.7	12
139	A New Isoform of Interleukin-3 Receptor Î± with Novel Differentiation Activity and High Affinity Binding Mode. Journal of Biological Chemistry, 2009, 284, 5763-5773.	3.4	34
140	Structural Studies of FF Domains of the Transcription Factor CA150 Provide Insights into the Organization of FF Domain Tandem Arrays. Journal of Molecular Biology, 2009, 393, 409-424.	4.2	10
141	Characterization of Kinase Target Phosphorylation Consensus Motifs Using Peptide SPOT Arrays. Methods in Molecular Biology, 2009, 570, 187-195.	0.9	13
142	Rapid Identification of Linear Protein Domain Binding Motifs Using Peptide SPOT Arrays. Methods in Molecular Biology, 2009, 570, 175-185.	0.9	11
143	Clarification of the role of N -glycans on the common Î²-subunit of the human IL-3, IL-5 and GM-CSF receptors and the murine IL-3 Î²-receptor in ligand-binding and receptor activation. Cytokine, 2008, 42, 234-242.	3.2	11
144	Point mutation in the gene encoding p300 suppresses thrombocytopenia in Mplâˆ’/âˆ’ mice. Blood, 2008, 112, 3148-3153.	1.4	32

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145	Conformational instability of the MARK3 UBA domain compromises ubiquitin recognition and promotes interaction with the adjacent kinase domain. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14336-14341.	7.1	52
146	Determination of the Plk4/Sak consensus phosphorylation motif using peptide spots arrays. FEBS Letters, 2007, 581, 77-83.	2.8	23
147	ILâ€3, ILâ€5, and GMâ€CSF Signaling: Crystal Structure of the Human Betaâ€Common Receptor. Vitamins and Hormones, 2006, 74, 1-30.	1.7	72
148	Screening for PTB Domain Binding Partners and LigandSpecificity Using Proteome-Derived NPXY Peptide Arrays. Molecular and Cellular Biology, 2006, 26, 8461-8474.	2.3	101
149	Interleukin-3 Binding to the Murine Î²IL-3 and Human Î²c Receptors Involves Functional Epitopes Formed by Domains 1 and 4 of Different Protein Chains. Journal of Biological Chemistry, 2004, 279, 26500-26508.	3.4	19
150	Synthesis of Functionalized Piperidinones. Journal of Organic Chemistry, 2003, 68, 2432-2436.	3.2	20
151	A Novel Functional Epitope Formed by Domains 1 and 4 of the Human Common Î²-Subunit Is Involved in Receptor Activation by Granulocyte Macrophage Colony-stimulating Factor and Interleukin 5. Journal of Biological Chemistry, 2003, 278, 10572-10577.	3.4	31
152	Structure of the Complete Extracellular Domain of the Common Î² Subunit of the Human GM-CSF, IL-3, and IL-5 Receptors Reveals a Novel Dimer Configuration. Cell, 2001, 104, 291-300.	28.9	97