

Boris Macek

List of Publications by Year in descending order

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Version: 2024-02-01

172
papers

16,654
citations

24978

57
h-index

16605

123
g-index

191
all docs

191
docs citations

191
times ranked

21716
citing authors

#	ARTICLE	IF	CITATIONS
1	DRP1 interacts directly with BAX to induce its activation and apoptosis. <i>EMBO Journal</i> , 2022, 41, e108587.	3.5	59
2	Temporal Analysis of Protein Ubiquitylation and Phosphorylation During Parkin-Dependent Mitophagy. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100191.	2.5	10
3	Proteasomal turnover of the RhoGAP tumor suppressor DLC1 is regulated by HECTD1 and USP7. <i>Scientific Reports</i> , 2022, 12, 5036.	1.6	2
4	A Nanobody-Based Toolset to Monitor and Modify the Mitochondrial GTPase Miro1. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 835302.	1.6	5
5	A bacterial effector counteracts host autophagy by promoting degradation of an autophagy component. <i>EMBO Journal</i> , 2022, 41, .	3.5	36
6	Profiling of time-dependent human plasma protein adsorption on non-coated and heparin-coated oxygenator membranes. , 2022, 139, 213014.		3
7	Discovery of a small protein factor involved in the coordinated degradation of phycobilisomes in cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	25
8	The novel P _{II}-interactor PirC identifies phosphoglycerate mutase as key control point of carbon storage metabolism in cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	52
9	A TOR (target of rapamycin) and nutritional phosphoproteome of fission yeast reveals novel targets in networks conserved in humans. <i>Open Biology</i> , 2021, 11, 200405.	1.5	4
10	Phosphoproteome Study of Escherichia coli Devoid of Ser/Thr Kinase YeaG During the Metabolic Shift From Glucose to Malate. <i>Frontiers in Microbiology</i> , 2021, 12, 657562.	1.5	11
11	Alterations in the CO₂ availability induce alterations in the phosphoproteome of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>New Phytologist</i> , 2021, 231, 1123-1137.	3.5	20
12	Bi-allelic loss-of-function variants in BCAS3 cause a syndromic neurodevelopmental disorder. <i>American Journal of Human Genetics</i> , 2021, 108, 1069-1082.	2.6	8
13	Proteome Dynamics during Antibiotic Persistence and Resuscitation. <i>MSystems</i> , 2021, 6, e0054921.	1.7	4
14	Conserved Salt Bridges Facilitate Assembly of the Helical Core Export Apparatus of a Salmonella enterica Type III Secretion System. <i>Journal of Molecular Biology</i> , 2021, 433, 167175.	2.0	4
15	Analysis of a photosynthetic cyanobacterium rich in internal membrane systems via gradient profiling by sequencing (Grad-seq). <i>Plant Cell</i> , 2021, 33, 248-269.	3.1	26
16	Regulation of mitochondrial cargo-selective autophagy by posttranslational modifications. <i>Journal of Biological Chemistry</i> , 2021, 297, 101339.	1.6	10
17	Proteogenomics Reveals Perturbed Signaling Networks in Malignant Melanoma Cells Resistant to BRAF Inhibition. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100163.	2.5	7
18	Individualized Proteogenomics Reveals the Mutational Landscape of Melanoma Patients in Response to Immunotherapy. <i>Cancers</i> , 2021, 13, 5411.	1.7	1

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19	An integrated workflow for enhanced taxonomic and functional coverage of the mouse fecal metaproteome. <i>Gut Microbes</i> , 2021, 13, 1994836.	4.3	6
20	APEX2-mediated proximity labeling resolves protein networks in <i>Saccharomyces cerevisiae</i> cells. <i>FEBS Journal</i> , 2020, 287, 325-344.	2.2	17
21	<i>Staphylococcus aureus</i> Lpl protein triggers human host cell invasion via activation of Hsp90 receptor. <i>Cellular Microbiology</i> , 2020, 22, e13111.	1.1	23
22	The tomato receptor CuRe1 senses a cell wall protein to identify <i>Cuscuta</i> as a pathogen. <i>Nature Communications</i> , 2020, 11, 5299.	5.8	36
23	The integral spliceosomal component CWC15 is required for development in <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2020, 10, 13336.	1.6	9
24	Comparative Transcriptional Profiling of Motor Neuron Disorder-Associated Genes in Various Human Cell Culture Models. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 544043.	1.8	11
25	An Interaction Network of RNA-Binding Proteins Involved in <i>Drosophila</i> Oogenesis. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1485-1502.	2.5	13
26	The BIR2/BIR3-Associated Phospholipase D β 1 Negatively Regulates Plant Immunity. <i>Plant Physiology</i> , 2020, 183, 371-384.	2.3	14
27	RNA Interactome Identification via RNA-BioID in Mouse Embryonic Fibroblasts. <i>Bio-protocol</i> , 2020, 10, e3476.	0.2	0
28	The Tyrosine-Autokinase UbK Is Required for Proper Cell Growth and Cell Morphology of <i>Streptococcus pneumoniae</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1942.	1.5	12
29	Protein post-translational modifications in bacteria. <i>Nature Reviews Microbiology</i> , 2019, 17, 651-664.	13.6	223
30	Putative link between Polo-like kinases (PLKs) and Toll-like receptor (TLR) signaling in transformed and primary human immune cells. <i>Scientific Reports</i> , 2019, 9, 13168.	1.6	3
31	The translational regulator FMRP controls lipid and glucose metabolism in mice and humans. <i>Molecular Metabolism</i> , 2019, 21, 22-35.	3.0	39
32	Arginine dephosphorylation propels spore germination in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14228-14237.	3.3	30
33	Serine-Threonine Kinases Encoded by Split <i>hipA</i> Homologs Inhibit Tryptophanyl-tRNA Synthetase. <i>MBio</i> , 2019, 10, .	1.8	25
34	The Signal Transduction Protein PII Controls Ammonium, Nitrate and Urea Uptake in Cyanobacteria. <i>Frontiers in Microbiology</i> , 2019, 10, 1428.	1.5	59
35	β -Actin mRNA interactome mapping by proximity biotinylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12863-12872.	3.3	58
36	Efficient reduction of synthetic mRNA induced immune activation by simultaneous delivery of B18R encoding mRNA. <i>Journal of Biological Engineering</i> , 2019, 13, 40.	2.0	11

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37	Multi-omics discovery of exome-derived neoantigens in hepatocellular carcinoma. <i>Genome Medicine</i> , 2019, 11, 28.	3.6	107
38	Quantitative Proteomics Links the Intermediate Filament Nestin to Resistance to Targeted BRAF Inhibition in Melanoma Cells. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1096-1109.	2.5	25
39	Deprivation of the Periplasmic Chaperone SurA Reduces Virulence and Restores Antibiotic Susceptibility of Multidrug-Resistant <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 100.	1.5	31
40	Import of extracellular ATP in yeast and man modulates AMPK and TORC1 signalling. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	19
41	On the Mechanism and Origin of Isoleucyl-tRNA Synthetase Editing against Norvaline. <i>Journal of Molecular Biology</i> , 2019, 431, 1284-1297.	2.0	20
42	Parallel reaction monitoring on a Q Exactive mass spectrometer increases reproducibility of phosphopeptide detection in bacterial phosphoproteomics measurements. <i>Journal of Proteomics</i> , 2018, 189, 60-66.	1.2	11
43	Proteome and phosphoproteome analysis of commensally induced dendritic cell maturation states. <i>Journal of Proteomics</i> , 2018, 180, 11-24.	1.2	6
44	Identification and Functional Characterization of Phosphorylation Sites of the Human Papillomavirus 31 E8 ^{E2} Protein. <i>Journal of Virology</i> , 2018, 92, .	1.5	11
45	A single class of ARF GTPase activated by several pathway-specific ARF-GEFs regulates essential membrane traffic in Arabidopsis. <i>PLoS Genetics</i> , 2018, 14, e1007795.	1.5	28
46	In-depth analysis of <i>Bacillus subtilis</i> proteome identifies new ORFs and traces the evolutionary history of modified proteins. <i>Scientific Reports</i> , 2018, 8, 17246.	1.6	22
47	Phosphopeptide Enrichment from Bacterial Samples Utilizing Titanium Oxide Affinity Chromatography. <i>Methods in Molecular Biology</i> , 2018, 1841, 231-247.	0.4	1
48	Arabidopsis RNA processing factor SERRATE regulates the transcription of intronless genes. <i>ELife</i> , 2018, 7, .	2.8	32
49	The U1 snRNP Subunit LUC7 Modulates Plant Development and Stress Responses via Regulation of Alternative Splicing. <i>Plant Cell</i> , 2018, 30, 2838-2854.	3.1	48
50	Staphylococcal Enterotoxins Dose-Dependently Modulate the Generation of Myeloid-Derived Suppressor Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 321.	1.8	17
51	The fungal ligand chitin directly binds <sc>TLR</sc> 2 and triggers inflammation dependent on oligomer size. <i>EMBO Reports</i> , 2018, 19, .	2.0	75
52	The kinases HipA and HipA7 phosphorylate different substrate pools in <i>Escherichia coli</i> to promote multidrug tolerance. <i>Science Signaling</i> , 2018, 11, .	1.6	52
53	The RNA-Binding Protein Scp160p Facilitates Aggregation of Many Endogenous Q/N-Rich Proteins. <i>Cell Reports</i> , 2018, 24, 20-26.	2.9	2
54	Structure of the core of the type III secretion system export apparatus. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 583-590.	3.6	153

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55	Tackling destructive proteolysis of unconventionally secreted heterologous proteins in <i>Ustilago maydis</i> . <i>Journal of Biotechnology</i> , 2018, 284, 37-51.	1.9	21
56	Regulation of the opposing (p)ppGpp synthetase and hydrolase activities in a bifunctional RelA/SpoT homologue from <i>Staphylococcus aureus</i> . <i>PLoS Genetics</i> , 2018, 14, e1007514.	1.5	67
57	Chlorosis as a Developmental Program in Cyanobacteria: The Proteomic Fundament for Survival and Awakening. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1650-1669.	2.5	47
58	Cytosolic Hsp70 and Hsp40 chaperones enable the biogenesis of mitochondrial β -barrel proteins. <i>Journal of Cell Biology</i> , 2018, 217, 3091-3108.	2.3	72
59	Proteome Response of a Metabolically Flexible Anoxygenic Phototroph to Fe(II) Oxidation. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	5
60	Identifying components required for OMP biogenesis as novel targets for antiinfective drugs. <i>Virulence</i> , 2017, 8, 1170-1188.	1.8	26
61	Human NACHT, LRR, and PYD domain-containing protein 3 (NLRP3) inflammasome activity is regulated by and potentially targetable through Bruton tyrosine kinase. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1054-1067.e10.	1.5	105
62	Construction, Growth, and Harvesting of Fission Yeast Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC) Strains. <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.prot091678.	0.2	5
63	Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC)-Based Quantitative Proteomics and Phosphoproteomics in Fission Yeast. <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.prot091686.	0.2	3
64	Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC) Technology in Fission Yeast. <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.top079814.	0.2	9
65	WIPI3 and WIPI4 β -propellers are scaffolds for LKB1-AMPK-TSC signalling circuits in the control of autophagy. <i>Nature Communications</i> , 2017, 8, 15637.	5.8	156
66	Internally tagged ubiquitin: a tool to identify linear polyubiquitin-modified proteins by mass spectrometry. <i>Nature Methods</i> , 2017, 14, 504-512.	9.0	59
67	TORC1 and TORC2 converge to regulate the SAGA co-activator in response to nutrient availability. <i>EMBO Reports</i> , 2017, 18, 2197-2218.	2.0	39
68	Ubiquitin-dependent regulation of Cdc42 by XIAP. <i>Cell Death and Disease</i> , 2017, 8, e2900-e2900.	2.7	23
69	Ste12/Fab1 phosphatidylinositol-3-phosphate 5-kinase is required for nitrogen-regulated mitotic commitment and cell size control. <i>PLoS ONE</i> , 2017, 12, e0172740.	1.1	6
70	A flagellum-specific chaperone facilitates assembly of the core type III export apparatus of the bacterial flagellum. <i>PLoS Biology</i> , 2017, 15, e2002267.	2.6	54
71	<i>Bacillus subtilis</i> single-stranded DNA-binding protein SsbA is phosphorylated at threonine 38 by the serine/threonine kinase YabT. <i>Periodicum Biologorum</i> , 2017, 118, .	0.1	2
72	Tyrosine 601 of <i>Bacillus subtilis</i> DnaK Undergoes Phosphorylation and Is Crucial for Chaperone Activity and Heat Shock Survival. <i>Frontiers in Microbiology</i> , 2016, 7, 533.	1.5	13

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73	Post-translational Serine/Threonine Phosphorylation and Lysine Acetylation: A Novel Regulatory Aspect of the Global Nitrogen Response Regulator GlnR in <i>S. coelicolor</i> M145. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 38.	1.6	48
74	Interaction of NCOR/SMRT Repressor Complexes with Papillomavirus E8 ^{E2C} Proteins Inhibits Viral Replication. <i>PLoS Pathogens</i> , 2016, 12, e1005556.	2.1	44
75	TOR complex 2 localises to the cytokinetic actomyosin ring and controls the fidelity of cytokinesis. <i>Journal of Cell Science</i> , 2016, 129, 2613-24.	1.2	16
76	Proteomic analysis of Rac1 signaling regulation by guanine nucleotide exchange factors. <i>Cell Cycle</i> , 2016, 15, 1961-1974.	1.3	26
77	The polarity protein Scribble positions DLC3 at adherens junctions to regulate Rho signaling. <i>Journal of Cell Science</i> , 2016, 129, 3583-3596.	1.2	27
78	The cytosolic cochaperone Sti1 is relevant for mitochondrial biogenesis and morphology. <i>FEBS Journal</i> , 2016, 283, 3338-3352.	2.2	60
79	Toll-like receptor 2 activation depends on lipopeptide shedding by bacterial surfactants. <i>Nature Communications</i> , 2016, 7, 12304.	5.8	86
80	Proteome-wide measurement of non-canonical bacterial mistranslation by quantitative mass spectrometry of protein modifications. <i>Scientific Reports</i> , 2016, 6, 28631.	1.6	34
81	A Nexus Consisting of Beta-Catenin and Stat3 Attenuates BRAF Inhibitor Efficacy and Mediates Acquired Resistance to Vemurafenib. <i>EBioMedicine</i> , 2016, 8, 132-149.	2.7	44
82	Proteomic analysis of SRF associated transcription complexes identified TFII-I as modulator of SRF function in neurons. <i>European Journal of Cell Biology</i> , 2016, 95, 42-56.	1.6	6
83	Shotgun proteomics of bacterial pathogens: advances, challenges and clinical implications. <i>Expert Review of Proteomics</i> , 2016, 13, 139-156.	1.3	20
84	Differential Rac1 signalling by guanine nucleotide exchange factors implicates FLN1 in regulating Rac1-driven cell migration. <i>Nature Communications</i> , 2016, 7, 10664.	5.8	72
85	Determination of the Stoichiometry of the Complete Bacterial Type III Secretion Needle Complex Using a Combined Quantitative Proteomic Approach. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1598-1609.	2.5	58
86	Resources for Assignment of Phosphorylation Sites on Peptides and Proteins. <i>Methods in Molecular Biology</i> , 2016, 1355, 293-306.	0.4	4
87	Structural and Functional Characterization of the Bacterial Type III Secretion Export Apparatus. <i>PLoS Pathogens</i> , 2016, 12, e1006071.	2.1	66
88	The polarity protein Scribble positions DLC3 at adherens junctions to regulate Rho signaling. <i>Development (Cambridge)</i> , 2016, 143, e1.2-e1.2.	1.2	0
89	Phosphoproteome dynamics mediate revival of bacterial spores. <i>BMC Biology</i> , 2015, 13, 76.	1.7	25
90	Impact of the serum- and glucocorticoid-inducible kinase 1 on platelet dense granule biogenesis and secretion. <i>Journal of Thrombosis and Haemostasis</i> , 2015, 13, 1325-1334.	1.9	13

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91	Control of Morphological Differentiation of <i>Streptomyces coelicolor</i> A3(2) by Phosphorylation of MreC and PBP2. <i>PLoS ONE</i> , 2015, 10, e0125425.	1.1	25
92	Global analysis of bacterial membrane proteins and their modifications. <i>International Journal of Medical Microbiology</i> , 2015, 305, 203-208.	1.5	18
93	Phosphoproteome of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 and its dynamics during nitrogen starvation. <i>Frontiers in Microbiology</i> , 2015, 6, 248.	1.5	79
94	Nic1 Inactivation Enables Stable Isotope Labeling with $^{13}\text{C}_6^{15}\text{N}_4$ -Arginine in <i>Schizosaccharomyces pombe</i> . <i>Molecular and Cellular Proteomics</i> , 2015, 14, 243-250.	2.5	9
95	Characterization of the <i>E. coli</i> proteome and its modifications during growth and ethanol stress. <i>Frontiers in Microbiology</i> , 2015, 6, 103.	1.5	118
96	PLEKHM1 Regulates Salmonella-Containing Vacuole Biogenesis and Infection. <i>Cell Host and Microbe</i> , 2015, 17, 58-71.	5.1	89
97	Quantitative Proteomics of the Human Skin Secretome Reveal a Reduction in Immune Defense Mediators in Ectodermal Dysplasia Patients. <i>Journal of Investigative Dermatology</i> , 2015, 135, 759-767.	0.3	28
98	A Trimeric Lipoprotein Assists in Trimeric Autotransporter Biogenesis in Enterobacteria. <i>Journal of Biological Chemistry</i> , 2014, 289, 7388-7398.	1.6	28
99	Interplay of the Serine/Threonine-Kinase StkP and the Paralogs DivIVA and GpsB in Pneumococcal Cell Elongation and Division. <i>PLoS Genetics</i> , 2014, 10, e1004275.	1.5	166
100	Cross-phosphorylation of bacterial serine/threonine and tyrosine protein kinases on key regulatory residues. <i>Frontiers in Microbiology</i> , 2014, 5, 495.	1.5	69
101	MapZ marks the division sites and positions FtsZ rings in <i>Streptococcus pneumoniae</i> . <i>Nature</i> , 2014, 516, 259-262.	13.7	194
102	Construction and assessment of individualized proteogenomic databases for large-scale analysis of nonsynonymous single nucleotide variants. <i>Proteomics</i> , 2014, 14, 2699-2708.	1.3	17
103	Carpal Tunnel Syndrome Is Associated With High Fibrinogen and Fibrinogen Deposits. <i>Neurosurgery</i> , 2014, 75, 276-285.	0.6	3
104	The phosphoproteome and its physiological dynamics in <i>Staphylococcus aureus</i> . <i>International Journal of Medical Microbiology</i> , 2014, 304, 121-132.	1.5	48
105	Ubiquitin-dependent regulation of MEK2/3 and MEK5/6-ERK5 signaling module by XIAP and cIAP1. <i>EMBO Journal</i> , 2014, 33, 1784-1801.	3.5	26
106	Absolute Proteome and Phosphoproteome Dynamics during the Cell Cycle of <i>Schizosaccharomyces pombe</i> (Fission Yeast). <i>Molecular and Cellular Proteomics</i> , 2014, 13, 1925-1936.	2.5	141
107	S/T Phosphorylation of DLL1 Is Required for Full Ligand Activity <i>In Vitro</i> but Dispensable for DLL1 Function <i>In Vivo</i> during Embryonic Patterning and Marginal Zone B Cell Development. <i>Molecular and Cellular Biology</i> , 2014, 34, 1221-1233.	1.1	7
108	Quantitative Phosphoproteome Analysis of <i>Bacillus subtilis</i> Reveals Novel Substrates of the Kinase PrkC and Phosphatase PrpC. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 1965-1978.	2.5	81

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109	Quantitative Phosphoproteomics of Murine <i>Fmr1</i> -KO Cell Lines Provides New Insights into FMRP-Dependent Signal Transduction Mechanisms. <i>Journal of Proteome Research</i> , 2014, 13, 4388-4397.	1.8	29
110	Stable Isotope Labeling by Amino Acids Applied to Bacterial Cell Culture. <i>Methods in Molecular Biology</i> , 2014, 1188, 9-22.	0.4	25
111	Cell-selective labeling using amino acid precursors for proteomic studies of multicellular environments. <i>Nature Methods</i> , 2013, 10, 768-773.	9.0	55
112	The neuropeptide complement of the marine annelid <i>Platynereis dumerilii</i> . <i>BMC Genomics</i> , 2013, 14, 906.	1.2	139
113	Deep Coverage of the <i>Escherichia coli</i> Proteome Enables the Assessment of False Discovery Rates in Simple Proteogenomic Experiments. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3420-3430.	2.5	71
114	Initial Quantitative Proteomic Map of 28 Mouse Tissues Using the SILAC Mouse. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1709-1722.	2.5	204
115	Global Dynamics of the <i>Escherichia coli</i> Proteome and Phosphoproteome During Growth in Minimal Medium. <i>Journal of Proteome Research</i> , 2013, 12, 2611-2621.	1.8	110
116	Mouse urinary peptides provide a molecular basis for genotype discrimination by nasal sensory neurons. <i>Nature Communications</i> , 2013, 4, 1616.	5.8	81
117	Dimerization and direct membrane interaction of Nup53 contribute to nuclear pore complex assembly. <i>EMBO Journal</i> , 2012, 31, 4072-4084.	3.5	104
118	IAPs regulate the plasticity of cell migration by directly targeting Rac1 for degradation. <i>EMBO Journal</i> , 2012, 31, 14-28.	3.5	117
119	Quantitative Proteomics Reveals That Hsp90 Inhibition Preferentially Targets Kinases and the DNA Damage Response. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.014654.	2.5	91
120	GIT1 Phosphorylation on Serine 46 by PKD3 Regulates Paxillin Trafficking and Cellular Protrusive Activity. <i>Journal of Biological Chemistry</i> , 2012, 287, 34604-34613.	1.6	23
121	Global Detection of Protein Kinase D-dependent Phosphorylation Events in Nocodazole-treated Human Cells. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 160-170.	2.5	77
122	Phosphoproteome of <i>Pristionchus pacificus</i> Provides Insights into Architecture of Signaling Networks in Nematode Models. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1631-1639.	2.5	30
123	Protein Kinase CK1 β Regulates Erythrocyte Survival. <i>Cellular Physiology and Biochemistry</i> , 2012, 29, 171-180.	1.1	108
124	Fast-Forward Genetics Identifies Plant CPL Phosphatases as Regulators of miRNA Processing Factor HYL1. <i>Cell</i> , 2012, 151, 859-870.	13.5	219
125	Detecting Posttranslational Modifications of Bacterial SSB Proteins. , 2012, 922, 205-218.		3
126	Analysis of the <i>Plasmodium falciparum</i> proteasome using Blue Native PAGE and label-free quantitative mass spectrometry. <i>Amino Acids</i> , 2012, 43, 1119-1129.	1.2	20

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127	Proteomics reveals evidence of cross-talk between protein modifications in bacteria: focus on acetylation and phosphorylation. <i>Current Opinion in Microbiology</i> , 2012, 15, 357-363.	2.3	67
128	Impact of phosphoproteomics on studies of bacterial physiology. <i>FEMS Microbiology Reviews</i> , 2012, 36, 877-892.	3.9	86
129	Metabolic priming by a secreted fungal effector. <i>Nature</i> , 2011, 478, 395-398.	13.7	509
130	Proteome Analysis of Erythrocytes Lacking AMP-Activated Protein Kinase Reveals a Role of PAK2 Kinase in Eryptosis. <i>Journal of Proteome Research</i> , 2011, 10, 1690-1697.	1.8	83
131	Mass spectrometry at the interface of proteomics and genomics. <i>Molecular BioSystems</i> , 2011, 7, 284-291.	2.9	36
132	Bone morphogenetic protein (BMP)1-3 enhances bone repair. <i>Biochemical and Biophysical Research Communications</i> , 2011, 408, 25-31.	1.0	61
133	Phosphorylation of Ser 402 impedes phosphatase activity of slingshot 1. <i>EMBO Reports</i> , 2011, 12, 527-533.	2.0	22
134	SHARPIN forms a linear ubiquitin ligase complex regulating NF- κ B activity and apoptosis. <i>Nature</i> , 2011, 471, 637-641.	13.7	655
135	Site-specific analysis of bacterial phosphoproteomes. <i>Proteomics</i> , 2011, 11, 3002-3011.	1.3	54
136	Circulating Bone Morphogenetic Protein 1-3 Isoform Increases Renal Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 681-692.	3.0	55
137	Mitotic Substrates of the Kinase Aurora with Roles in Chromatin Regulation Identified Through Quantitative Phosphoproteomics of Fission Yeast. <i>Science Signaling</i> , 2011, 4, rs6.	1.6	105
138	Extending SILAC to Proteomics of Plant Cell Lines. <i>Plant Cell</i> , 2011, 23, 1701-1705.	3.1	42
139	Chapter 9. LC-MS for the Identification of Post-Translational Modifications of Proteins. <i>RSC Chromatography Monographs</i> , 2011, , 123-132.	0.1	0
140	<i>Bacillus subtilis</i> BYE-kinase PtkA controls enzyme activity and localization of its protein substrates. <i>Molecular Microbiology</i> , 2010, 77, 287-299.	1.2	60
141	Proteogenomics of <i>Pristionchus pacificus</i> reveals distinct proteome structure of nematode models. <i>Genome Research</i> , 2010, 20, 837-846.	2.4	155
142	Toward Quantitative Proteomics of Organ Substructures: Implications for Renal Physiology. <i>Seminars in Nephrology</i> , 2010, 30, 487-499.	0.6	10
143	Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC) Applied to Quantitative Proteomics of <i>Bacillus subtilis</i> . <i>Journal of Proteome Research</i> , 2010, 9, 3638-3646.	1.8	108
144	Ser/Thr/Tyr Protein Phosphorylation in the Archaeon <i>Halobacterium salinarum</i> —A Representative of the Third Domain of Life. <i>PLoS ONE</i> , 2009, 4, e4777.	1.1	84

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145	Activation of <i>Bacillus subtilis</i> Ugd by the BY-Kinase PtkA Proceeds via Phosphorylation of Its Residue Tyrosine 70. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2009, 17, 83-89.	1.0	23
146	NetPhosBac – A predictor for Ser/Thr phosphorylation sites in bacterial proteins. <i>Proteomics</i> , 2009, 9, 116-125.	1.3	67
147	Global and Site-Specific Quantitative Phosphoproteomics: Principles and Applications. <i>Annual Review of Pharmacology and Toxicology</i> , 2009, 49, 199-221.	4.2	382
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