

Didier Vertommen

List of Publications by Year in descending order

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152
papers

7,627
citations

47006

47
h-index

62596

80
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156
all docs

156
docs citations

156
times ranked

11185
citing authors

#	ARTICLE	IF	CITATIONS
1	The Celsr3-Kif2a axis directs neuronal migration in the postnatal brain. Progress in Neurobiology, 2022, 208, 102177.	5.7	6
2	A case of convergent evolution: Several viral and bacterial pathogens hijack RSK kinases through a common linear motif. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14
3	Hypocrates is a genetically encoded fluorescent biosensor for (pseudo)hypohalous acids and their derivatives. Nature Communications, 2022, 13, 171.	12.8	9
4	Parkinson's disease protein PARK7 prevents metabolite and protein damage caused by a glycolytic metabolite. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	29
5	Proteome-wide and matrisome-specific atlas of the human ovary computes fertility biomarker candidates and open the way for precision oncofertility. Matrix Biology, 2022, 109, 91-120.	3.6	7
6	The intra-mitochondrial O-GlcNAcylation system rapidly modulates OXPHOS function and ROS release in the heart. Communications Biology, 2022, 5, 349.	4.4	17
7	Inhibition of basal and glucagon-induced hepatic glucose production by 991 and other pharmacological AMPK activators. Biochemical Journal, 2022, 479, 1317-1336.	3.7	2
8	HYGIEIA: HYpothesizing the Genesis of Infectious Diseases and Epidemics through an Integrated Systems Biology Approach. Viruses, 2022, 14, 1373.	3.3	2
9	Periplasmic oxidized-protein repair during copper stress in E. coli: A focus on the metallochaperone CusF. PLoS Genetics, 2022, 18, e1010180.	3.5	5
10	Protein O-GlcNAcylation levels are regulated independently of dietary intake in a tissue and time-specific manner during rat postnatal development. Acta Physiologica, 2021, 231, e13566.	3.8	11
11	Redox controls RecA protein activity via reversible oxidation of its methionine residues. ELife, 2021, 10, .	6.0	18
12	Preclinical Evaluation of the Association of the Cyclin-Dependent Kinase 4/6 Inhibitor, Ribociclib, and Cetuximab in Squamous Cell Carcinoma of the Head and Neck. Cancers, 2021, 13, 1251.	3.7	5
13	The Arabidopsis mediator complex subunit 8 regulates oxidative stress responses. Plant Cell, 2021, 33, 2032-2057.	6.6	23
14	Alternative glycosylation controls endoplasmic reticulum dynamics and tubular extension in mammalian cells. Science Advances, 2021, 7, .	10.3	8
15	An O-GlcNAcyloomic Approach Reveals ACLY as a Potential Target in Sepsis in the Young Rat. International Journal of Molecular Sciences, 2021, 22, 9236.	4.1	9
16	Thiol-disulphide independent in-cell trapping for the identification of peroxiredoxin 2 interactors. Redox Biology, 2021, 46, 102066.	9.0	6
17	Unravelling the Allosteric Targeting of PHGDH at the ACT-Binding Domain with a Photoactivatable Diazirine Probe and Mass Spectrometry Experiments. Molecules, 2021, 26, 477.	3.8	6
18	NAA80 bi-allelic missense variants result in high-frequency hearing loss, muscle weakness and developmental delay. Brain Communications, 2021, 3, fcab256.	3.3	14

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19	Methyl arachidonyl fluorophosphonate inhibits <i>Mycobacterium tuberculosis</i> thioesterase TesA and globally affects vancomycin susceptibility. <i>FEBS Letters</i> , 2020, 594, 79-93.	2.8	7
20	Inhibition of AMPK activity in response to insulin in adipocytes: involvement of AMPK pS485, PDEs, and cellular energy levels. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E459-E471.	3.5	5
21	Obesity and triple-negative breast cancer: Is apelin a new key target?. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 10233-10244.	3.6	16
22	Divide-and-Conquer Matrisome Protein (DC-MaP) Strategy: An MS-Friendly Approach to Proteomic Matrisome Characterization. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9141.	4.1	5
23	An Unbiased Immunization Strategy Results in the Identification of Enolase as a Potential Marker for Nanobody-Based Detection of <i>Trypanosoma evansi</i> . <i>Vaccines</i> , 2020, 8, 415.	4.4	10
24	Interplay of Structural Disorder and Short Binding Elements in the Cellular Chaperone Function of Plant Dehydrin ERD14. <i>Cells</i> , 2020, 9, 1856.	4.1	12
25	Aberrant Membrane Composition and Biophysical Properties Impair Erythrocyte Morphology and Functionality in Elliptocytosis. <i>Biomolecules</i> , 2020, 10, 1120.	4.0	10
26	Preclinical Activity of Ribociclib in Squamous Cell Carcinoma of the Head and Neck. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 777-789.	4.1	17
27	Methionine sulfoxide reductase B from <i>Corynebacterium diphtheriae</i> catalyzes sulfoxide reduction via an intramolecular disulfide cascade. <i>Journal of Biological Chemistry</i> , 2020, 295, 3664-3677.	3.4	7
28	TLR9 and beclin-1 crosstalk regulates muscle AMPK activation in exercise. <i>Nature</i> , 2020, 578, 605-609.	27.8	46
29	Dimeric Transmembrane Orientations of APP/C99 Regulate β -Secretase Processing Line Impacting Signaling and Oligomerization. <i>IScience</i> , 2020, 23, 101887.	4.1	9
30	Effects of PKB/Akt inhibitors on insulin-stimulated lipogenesis and phosphorylation state of lipogenic enzymes in white adipose tissue. <i>Biochemical Journal</i> , 2020, 477, 1373-1389.	3.7	5
31	Redox-regulated methionine oxidation of <i>Arabidopsis thaliana</i> glutathione transferase Phi9 induces site flexibility. <i>Protein Science</i> , 2019, 28, 56-67.	7.6	16
32	HOXA2 activity regulation by cytoplasmic relocation, protein stabilization and post-translational modification. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 194404.	1.9	4
33	Generation of Organized Porcine Testicular Organoids in Solubilized Hydrogels from Decellularized Extracellular Matrix. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5476.	4.1	53
34	The Human Ovary and Future of Fertility Assessment in the Post-Genome Era. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4209.	4.1	5
35	Mining for protein S-sulfenylation in <i>Arabidopsis</i> uncovers redox-sensitive sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21256-21261.	7.1	107
36	Calreticulin mutants as oncogenic rogue chaperones for TpoR and traffic-defective pathogenic TpoR mutants. <i>Blood</i> , 2019, 133, 2669-2681.	1.4	74

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37	Anti-alcohol abuse drug disulfiram inhibits human PHGDH via disruption of its active tetrameric form through a specific cysteine oxidation. <i>Scientific Reports</i> , 2019, 9, 4737.	3.3	39
38	Bifunctional Chloroplastic DJ-1B from <i>Arabidopsis thaliana</i> is an Oxidation-Robust Holdase and a Glyoxalase Sensitive to H ₂ O ₂ . <i>Antioxidants</i> , 2019, 8, 8.	5.1	17
39	Genetic deletion of soluble 5 α -nucleotidase II reduces body weight gain and insulin resistance induced by a high-fat diet. <i>Molecular Genetics and Metabolism</i> , 2019, 126, 377-387.	1.1	24
40	A Draft Map of the Human Ovarian Proteome for Tissue Engineering and Clinical Applications. <i>Molecular and Cellular Proteomics</i> , 2019, 18, S159-S173.	3.8	35
41	Two isoprenylated flavonoids from <i>Dorstenia psilurus</i> activate AMPK, stimulate glucose uptake, inhibit glucose production and lower glycemia. <i>Biochemical Journal</i> , 2019, 476, 3687-3704.	3.7	12
42	Pyridoxamine-phosphate oxidases and pyridoxamine-phosphate oxidase-related proteins catalyze the oxidation of 6-NAD(P)H to NAD(P) ⁺ . <i>Biochemical Journal</i> , 2019, 476, 3033-3052.	3.7	6
43	HBP1 phosphorylation by AKT regulates its transcriptional activity and glioblastoma cell proliferation. <i>Cellular Signalling</i> , 2018, 44, 158-170.	3.6	16
44	Self-protection of cytosolic malate dehydrogenase against oxidative stress in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 3491-3505.	4.8	48
45	Disulfide bond formation protects <i>Arabidopsis thaliana</i> glutathione transferase tau 23 from oxidative damage. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 775-789.	2.4	20
46	The Chaperone and Redox Properties of CnoX Chaperedoxins Are Tailored to the Proteostatic Needs of Bacterial Species. <i>MBio</i> , 2018, 9, .	4.1	18
47	Extracellular vesicles from endothelial progenitor cells promote thyroid follicle formation. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1487250.	12.2	18
48	A novel mechanism of RNase L inhibition: Theiler's virus L* protein prevents 2-5A from binding to RNase L. <i>PLoS Pathogens</i> , 2018, 14, e1006989.	4.7	27
49	NAT6 acetylates the N-terminus of different forms of actin. <i>FEBS Journal</i> , 2018, 285, 3299-3316.	4.7	36
50	CnoX Is a Chaperedoxin: A Holdase that Protects Its Substrates from Irreversible Oxidation. <i>Molecular Cell</i> , 2018, 70, 614-627.e7.	9.7	43
51	Development of a Nanobody-based lateral flow assay to detect active <i>Trypanosoma congolense</i> infections. <i>Scientific Reports</i> , 2018, 8, 9019.	3.3	49
52	SETD3 protein is the actin-specific histidine N-methyltransferase. <i>ELife</i> , 2018, 7, .	6.0	77
53	Role of Akt/PKB and PFKFB isoenzymes in the control of glycolysis, cell proliferation and protein synthesis in mitogen-stimulated thymocytes. <i>Cellular Signalling</i> , 2017, 34, 23-37.	3.6	50
54	Effects of genetic deletion of soluble 5 α -nucleotidases NT5C1A and NT5C2 on AMPK activation and nucleotide levels in contracting mouse skeletal muscles. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 313, E48-E62.	3.5	22

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55	Changes in the phosphoproteome of brown adipose tissue during hibernation in the ground squirrel, <i>Ictidomys tridecemlineatus</i> . <i>Physiological Genomics</i> , 2017, 49, 462-472.	2.3	12
56	Generation of Nanobodies against SlyD and development of tools to eliminate this bacterial contaminant from recombinant proteins. <i>Protein Expression and Purification</i> , 2017, 137, 64-76.	1.3	5
57	Nanobodies targeting conserved epitopes on the major outer membrane protein of <i>Campylobacter</i> as potential tools for control of <i>Campylobacter</i> colonization. <i>Veterinary Research</i> , 2017, 48, 86.	3.0	18
58	ISPD produces CDP-ribitol used by FKTN and FKRP to transfer ribitol phosphate onto Î±-dystroglycan. <i>Nature Communications</i> , 2016, 7, 11534.	12.8	113
59	A New Oxopiperazinâ€Based Peptidomimetic Molecule Inhibits Prostatic Acid Phosphatase Secretion and Induces Prostate Cancer Cell Apoptosis. <i>ChemistrySelect</i> , 2016, 1, 4658-4667.	1.5	7
60	Comprehensively Characterizing the Thioredoxin Interactome In Vivo Highlights the Central Role Played by This Ubiquitous Oxidoreductase in Redox Control. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2125-2140.	3.8	29
61	A conserved phosphatase destroys toxic glycolytic side products in mammals and yeast. <i>Nature Chemical Biology</i> , 2016, 12, 601-607.	8.0	88
62	The <i>Corynebacterium glutamicum</i> mycothiol peroxidase is a reactive oxygen speciesâ€scavenging enzyme that shows promiscuity in thiol redox control. <i>Molecular Microbiology</i> , 2015, 96, 1176-1191.	2.5	45
63	The Interferon-Inducible Mouse Apolipoprotein L9 and Prohibitins Cooperate to Restrict Theilerâ€™s Virus Replication. <i>PLoS ONE</i> , 2015, 10, e0133190.	2.5	43
64	Repairing oxidized proteins in the bacterial envelope using respiratory chain electrons. <i>Nature</i> , 2015, 528, 409-412.	27.8	139
65	Endoplasmic reticulum Ca ²⁺ content decrease by PKA-dependent hyperphosphorylation of type 1 IP3 receptor contributes to prostate cancer cell resistance to androgen deprivation. <i>Cell Calcium</i> , 2015, 57, 312-320.	2.4	29
66	<i>Corynebacterium diphtheriae</i> Methionine Sulfoxide Reductase A Exploits a Unique Mycothiol Redox Relay Mechanism. <i>Journal of Biological Chemistry</i> , 2015, 290, 11365-11375.	3.4	25
67	Metabolite Proofreading in Carnosine and Homocarnosine Synthesis. <i>Journal of Biological Chemistry</i> , 2014, 289, 19726-19736.	3.4	28
68	Detecting Envelope Stress by Monitoring Î²-Barrel Assembly. <i>Cell</i> , 2014, 159, 1652-1664.	28.9	154
69	Mycothiol/Mycoredoxin 1-dependent Reduction of the Peroxiredoxin AhpE from <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 5228-5239.	3.4	48
70	Effects of Pharmacological AMP Deaminase Inhibition and Ampd1 Deletion on Nucleotide Levels and AMPK Activation in Contracting Skeletal Muscle. <i>Chemistry and Biology</i> , 2014, 21, 1497-1510.	6.0	38
71	A New Role for <i>Escherichia coli</i> DsbC Protein in Protection against Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2014, 289, 12356-12364.	3.4	28
72	A small-molecule benzimidazole derivative that potently activates AMPK to increase glucose transport in skeletal muscle: comparison with effects of contraction and other AMPK activators. <i>Biochemical Journal</i> , 2014, 460, 363-375.	3.7	71

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73	Eukaryotic Elongation Factor 2 Kinase Activity Is Controlled by Multiple Inputs from Oncogenic Signaling. <i>Molecular and Cellular Biology</i> , 2014, 34, 4088-4103.	2.3	84
74	Sulfenome mining in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11545-11550.	7.1	163
75	Wheat germ in vitro translation to produce one of the most toxic sodium channel specific toxins. <i>Bioscience Reports</i> , 2014, 34, .	2.4	2
76	Mammalian target of rapamycin-independent S6K1 and 4E-BP1 phosphorylation during contraction in rat skeletal muscle. <i>Cellular Signalling</i> , 2013, 25, 1877-1886.	3.6	48
77	PFKFB3 activation in cancer cells by the p38/MK2 pathway in response to stress stimuli. <i>Biochemical Journal</i> , 2013, 452, 531-543.	3.7	64
78	Phosphatidylinositol 3-phosphate 5-kinase (PIKfyve) is an AMPK target participating in contraction-stimulated glucose uptake in skeletal muscle. <i>Biochemical Journal</i> , 2013, 455, 195-206.	3.7	50
79	Dissecting the Machinery That Introduces Disulfide Bonds in <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2013, 4, e00912-13.	4.1	45
80	Glutathione S-Transferases Interact with AMP-Activated Protein Kinase: Evidence for S-Glutathionylation and Activation In Vitro. <i>PLoS ONE</i> , 2013, 8, e62497.	2.5	56
81	AMP-activated protein kinase phosphorylates and inactivates liver glycogen synthase. <i>Biochemical Journal</i> , 2012, 443, 193-203.	3.7	98
82	Identification of autophosphorylation sites in eukaryotic elongation factor-2 kinase. <i>Biochemical Journal</i> , 2012, 442, 681-692.	3.7	49
83	Mycoredoxin 1 is one of the missing links in the oxidative stress defence mechanism of <i>Mycobacteria</i> . <i>Molecular Microbiology</i> , 2012, 86, 787-804.	2.5	86
84	Identification, gene cloning and expression of serine proteases in the extracellular medium of <i>Nicotiana tabacum</i> cells. <i>Plant Cell Reports</i> , 2012, 31, 1959-1968.	5.6	15
85	Host-pathogen interactome mapping for HTLV-1 and -2 retroviruses. <i>Retrovirology</i> , 2012, 9, 26.	2.0	64
86	Dissecting the <i>Escherichia coli</i> periplasmic chaperone network using differential proteomics. <i>Proteomics</i> , 2012, 12, 1391-1401.	2.2	58
87	Overexpression of the rhodanese PspE, a single cysteine-containing protein, restores disulphide bond formation to an <i>Escherichia coli</i> strain lacking DsbA. <i>Molecular Microbiology</i> , 2012, 85, 996-1006.	2.5	24
88	Theiler's Virus L* Protein Is Targeted to the Mitochondrial Outer Membrane. <i>Journal of Virology</i> , 2011, 85, 3690-3694.	3.4	9
89	Molecular Identification of ¹² C-tyrosine Hydroxylase as Glutamate Carboxypeptidase 3. <i>Journal of Biological Chemistry</i> , 2011, 286, 38220-38230.	3.4	22
90	Ethylmalonyl-CoA Decarboxylase, a New Enzyme Involved in Metabolite Proofreading. <i>Journal of Biological Chemistry</i> , 2011, 286, 42992-43003.	3.4	46

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91	Clauss assay and fibrinogen protein estimated by capillary zone electrophoresis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 689-693.	2.3	1
92	Crystal Structure of the Outer Membrane Protein RcsF, a New Substrate for the Periplasmic Protein-disulfide Isomerase DsbC. <i>Journal of Biological Chemistry</i> , 2011, 286, 16734-16742.	3.4	61
93	Extremely Conserved ATP- or ADP-dependent Enzymatic System for Nicotinamide Nucleotide Repair. <i>Journal of Biological Chemistry</i> , 2011, 286, 41246-41252.	3.4	100
94	<i>HDHD1</i> , which is often deleted in X-linked ichthyosis, encodes a pseudouridine-5'-phosphatase. <i>Biochemical Journal</i> , 2010, 431, 237-244.	3.7	34
95	Binding of mannose-binding lectin to fructosamines: a potential link between hyperglycaemia and complement activation in diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2010, 26, 254-260.	4.0	62
96	Contribution of proteomics toward solving the fascinating mysteries of the biogenesis of the envelope of <i>Escherichia coli</i> . <i>Proteomics</i> , 2010, 10, 771-784.	2.2	18
97	Stimulation of human and mouse erythrocyte Na ⁺ -K ⁺ -2Cl ⁻ cotransport by osmotic shrinkage does not involve AMP-activated protein kinase, but is associated with STE20/SPS1-related proline/alanine-rich kinase activation. <i>Journal of Physiology</i> , 2010, 588, 2315-2328.	2.9	16
98	Molecular Identification of Carnosine Synthase as ATP-grasp Domain-containing Protein 1 (ATPGD1). <i>Journal of Biological Chemistry</i> , 2010, 285, 9346-9356.	3.4	165
99	The Protein-disulfide Isomerase DsbC Cooperates with SurA and DsbA in the Assembly of the Essential Î2-Barrel Protein LptD. <i>Journal of Biological Chemistry</i> , 2010, 285, 29425-29433.	3.4	47
100	Identification and functional implication of a Rho kinase-dependent moesin-EBP50 interaction in noradrenaline-stimulated artery. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C1530-C1540.	4.6	14
101	Heart 6-phosphofructo-2-kinase activation by insulin requires PKB (protein kinase B), but not SGK3 (serum- and glucocorticoid-induced protein kinase 3). <i>Biochemical Journal</i> , 2010, 431, 267-275.	3.7	25
102	AMP-activated protein kinase induces actin cytoskeleton reorganization in epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 656-661.	2.1	59
103	Regulation of PIKfyve phosphorylation by insulin and osmotic stress. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 650-655.	2.1	20
104	Casein kinase 1Î activates human recombinant deoxycytidine kinase by Ser-74 phosphorylation, but is not involved in the in vivo regulation of its activity. <i>Archives of Biochemistry and Biophysics</i> , 2010, 502, 44-52.	3.0	9
105	Characterization of the role of the <i>Escherichia coli</i> periplasmic chaperone SurA using differential proteomics. <i>Proteomics</i> , 2009, 9, 2432-2443.	2.2	128
106	A Periplasmic Reducing System Protects Single Cysteine Residues from Oxidation. <i>Science</i> , 2009, 326, 1109-1111.	12.6	158
107	Fulfilling the Krebs and Beavo criteria for studying protein phosphorylation in the era of mass spectrometry-driven kinome research. <i>Archives of Physiology and Biochemistry</i> , 2009, 115, 298-310.	2.1	3
108	The disulphide isomerase DsbC cooperates with the oxidase DsbA in a DsbD-independent manner. <i>Molecular Microbiology</i> , 2008, 67, 336-349.	2.5	68

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109	Identification of peptidases in <i>Nicotiana tabacum</i> leaf intercellular fluid. <i>Proteomics</i> , 2008, 8, 2285-2298.	2.2	59
110	Identification of protein kinase D as a novel contraction-activated kinase linked to GLUT4-mediated glucose uptake, independent of AMPK. <i>Cellular Signalling</i> , 2008, 20, 543-556.	3.6	33
111	Differential expression of glycosomal and mitochondrial proteins in the two major life-cycle stages of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2008, 158, 189-201.	1.1	90
112	AMP-activated Protein Kinase Phosphorylates and Desensitizes Smooth Muscle Myosin Light Chain Kinase. <i>Journal of Biological Chemistry</i> , 2008, 283, 18505-18512.	3.4	99
113	Protein phosphatase 2A controls the activity of histone deacetylase 7 during T cell apoptosis and angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4727-4732.	7.1	73
114	Identification of protein-ribulosamine-5-phosphatase as human low-molecular-mass protein tyrosine phosphatase-A. <i>Biochemical Journal</i> , 2007, 406, 139-145.	3.7	11
115	Identification of 3-deoxyglucosone dehydrogenase as aldehyde dehydrogenase 1A1 (retinaldehyde) Tj ETQq1 1 0.784314 rgBT ₄₁ /Overl	2.6	41
116	The Crystal Structure of <i>Trypanosoma cruzi</i> Glucokinase Reveals Features Determining Oligomerization and Anomer Specificity of Hexose-phosphorylating Enzymes. <i>Journal of Molecular Biology</i> , 2007, 372, 1215-1226.	4.2	29
117	Molecular Identification of Mammalian Phosphopentomutase and Glucose-1,6-bisphosphate Synthase, Two Members of the 1,6-D-Phosphohexomutase Family. <i>Journal of Biological Chemistry</i> , 2007, 282, 31844-31851.	3.4	43
118	Many fructosamine 3-kinase homologues in bacteria are ribulosamine/erythrulosamine 3-kinases potentially involved in protein deglycation. <i>FEBS Journal</i> , 2007, 274, 4360-4374.	4.7	30
119	Characterization of the role of the receptors PEX5 and PEX7 in the import of proteins into glycosomes of <i>Trypanosoma brucei</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 521-535.	4.1	66
120	Evaluation of the role of protein kinase C η in insulin-induced heart 6-phosphofructo-2-kinase activation. <i>Cellular Signalling</i> , 2007, 19, 52-61.	3.6	6
121	Identification of Phosphorylation Sites on Human Deoxycytidine Kinase After Overexpression in Eucaryotic Cells. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2006, 25, 1141-1146.	1.1	7
122	Variability in erythrocyte fructosamine 3-kinase activity in humans correlates with polymorphisms in the FN3K gene and impacts on haemoglobin glycation at specific sites. <i>Diabetes and Metabolism</i> , 2006, 32, 31-39.	2.9	39
123	Identification of the gene encoding hydroxyacid-oxoacid transhydrogenase, an enzyme that metabolizes 4-hydroxybutyrate. <i>FEBS Letters</i> , 2006, 580, 2347-2350.	2.8	43
124	Increased protein glycation in fructosamine 3-kinase-deficient mice. <i>Biochemical Journal</i> , 2006, 399, 257-264.	3.7	70
125	Optical and EPR spectroscopic studies of demetallation of hemin by L-chain apoferritins. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1426-1435.	3.5	13
126	Identification of the sequence encoding N-acetylneuraminat-9-phosphate phosphatase. <i>Glycobiology</i> , 2006, 16, 165-172.	2.5	39

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127	Magnesium-dependent Phosphatase-1 Is a Protein-Fructosamine-6-phosphatase Potentially Involved in Glycation Repair. <i>Journal of Biological Chemistry</i> , 2006, 281, 18378-18385.	3.4	42
128	New Role for hPar-1 Kinases EMK and C-TAK1 in Regulating Localization and Activity of Class IIa Histone Deacetylases. <i>Molecular and Cellular Biology</i> , 2006, 26, 7086-7102.	2.3	64
129	Evidence for Conformational Changes within DsbD: Possible Role for Membrane-Embedded Proline Residues. <i>Journal of Bacteriology</i> , 2006, 188, 7317-7320.	2.2	19
130	5-Aminoimidazole-4-Carboxamide-1- β -D-Ribofuranoside and Metformin Inhibit Hepatic Glucose Phosphorylation by an AMP-Activated Protein Kinase-Independent Effect on Glucokinase Translocation. <i>Diabetes</i> , 2006, 55, 865-874.	0.6	171
131	Identification of in Vivo Phosphorylation Sites on Human Deoxycytidine Kinase. <i>Journal of Biological Chemistry</i> , 2006, 281, 4887-4893.	3.4	54
132	Insulin Antagonizes Ischemia-induced Thr172 Phosphorylation of AMP-activated Protein Kinase α -Subunits in Heart via Hierarchical Phosphorylation of Ser485/491. <i>Journal of Biological Chemistry</i> , 2006, 281, 5335-5340.	3.4	308
133	Identification of Fructosamine Residues Deglycated by Fructosamine-3-kinase in Human Hemoglobin. <i>Journal of Biological Chemistry</i> , 2004, 279, 27613-27620.	3.4	71
134	Characterization of the cofactor-independent phosphoglycerate mutase from <i>Leishmania mexicana mexicana</i> . Histidines that coordinate the two metal ions in the active site show different susceptibilities to irreversible chemical modification. <i>FEBS Journal</i> , 2004, 271, 1798-1810.	0.2	21
135	Doxorubicin-induced activation of protein kinase D1 through caspase-mediated proteolytic cleavage: identification of two cleavage sites by microsequencing. <i>Cellular Signalling</i> , 2004, 16, 703-709.	3.6	22
136	6-Phosphofructo-2-kinase/fructose-2,6-bisphosphatase: head-to-head with a bifunctional enzyme that controls glycolysis. <i>Biochemical Journal</i> , 2004, 381, 561-579.	3.7	336
137	Identification of a dehydrogenase acting on D-2-hydroxyglutarate. <i>Biochemical Journal</i> , 2004, 381, 35-42.	3.7	105
138	Fructosamine 3-kinase-related protein and deglycation in human erythrocytes. <i>Biochemical Journal</i> , 2004, 382, 137-143.	3.7	29
139	The Crystal Structure of <i>Trypanosoma brucei</i> Enolase: Visualisation of the Inhibitory Metal Binding Site III and Potential as Target for Selective, Irreversible Inhibition. <i>Journal of Molecular Biology</i> , 2003, 331, 653-665.	4.2	34
140	Identification of Phosphorylation Sites in AMP-activated Protein Kinase (AMPK) for Upstream AMPK Kinases and Study of Their Roles by Site-directed Mutagenesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 28434-28442.	3.4	204
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