

# Ruth Birner-Gruenberger

## List of Publications by Year in descending order

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155  
papers

6,034  
citations

117453

34  
h-index

82410

72  
g-index

170  
all docs

170  
docs citations

170  
times ranked

9744  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hepatocyte Proteome Alterations Induced by Individual and Combinations of Common Free Fatty Acids. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3356.	1.8	2
2	Overexpression of recombinant proteins containing non-canonical amino acids in <i>Vibrio natriegens</i> : p-azido-L-phenylalanine as coupling site for 19F-tags. <i>Amino Acids</i> , 2022, 54, 1041-1053.	1.2	1
3	Off-target effects of the lysosomal acid lipase inhibitors Lalistat-1 and Lalistat-2 on neutral lipid hydrolases. <i>Molecular Metabolism</i> , 2022, 61, 101510.	3.0	9
4	Comparative proteomics of common allergenic tree pollens of birch, alder, and hazel. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1743-1753.	2.7	5
5	Adipose Triglyceride Lipase Loss Promotes a Metabolic Switch in A549 Non-“Small Cell Lung Cancer Cell Spheroids. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100095.	2.5	10
6	Mass Spectrometry-Based Redox and Protein Profiling of Failing Human Hearts. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1787.	1.8	9
7	Targeted Chemotherapy of Glioblastoma Spheroids with an Iontronic Pump. <i>Advanced Materials Technologies</i> , 2021, 6, 2001302.	3.0	10
8	Targeted Chemotherapy: Targeted Chemotherapy of Glioblastoma Spheroids with an Iontronic Pump (Adv. Mater. Technol. 5/2021). <i>Advanced Materials Technologies</i> , 2021, 6, 2170026.	3.0	0
9	Blood Plasma Quality Control by Plasma Glutathione Status. <i>Antioxidants</i> , 2021, 10, 864.	2.2	3
10	Transcriptome and proteome of the corm, leaf and flower of <i>Hypoxis hemerocallidea</i> (African potato). <i>PLoS ONE</i> , 2021, 16, e0253741.	1.1	0
11	Transcriptomic Profiling of Canine Atrial Fibrillation Models After One Week of Sustained Arrhythmia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e009887.	2.1	6
12	A quantitative metabolic analysis reveals <i>Acetobacterium woodii</i> as a flexible and robust host for formate-based bioproduction. <i>Metabolic Engineering</i> , 2021, 68, 68-85.	3.6	18
13	A possible role of gas-phase electrophoretic mobility molecular analysis (nES GEMMA) in extracellular vesicle research. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7341-7352.	1.9	2
14	SUCNR1 Is Expressed in Human Placenta and Mediates Angiogenesis: Significance in Gestational Diabetes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12048.	1.8	7
15	Protective Effect of Crocin on Malathion-induced Cardiotoxicity in Rats: A Biochemical, Histopathological and Proteomics Study. <i>Iranian Journal of Pharmaceutical Research</i> , 2021, 20, 156-172.	0.3	1
16	Proteomic Changes of Activated Hepatic Stellate Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12782.	1.8	8
17	Descriptive proteomics of paired human vocal fold and buccal mucosa tissue. <i>Proteomics - Clinical Applications</i> , 2021, , 2100050.	0.8	3
18	Low cardiac lipolysis reduces mitochondrial fission and prevents lipotoxic heart dysfunction in Perilipin 5 mutant mice. <i>Cardiovascular Research</i> , 2020, 116, 339-352.	1.8	23

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19	Cysteine oxidation triggers amyloid fibril formation of the tumor suppressor p16INK4A. <i>Redox Biology</i> , 2020, 28, 101316.	3.9	17
20	HDAC inhibition improves cardiopulmonary function in a feline model of diastolic dysfunction. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	75
21	Spatially Resolved Activity-based Proteomic Profiles of the Murine Small Intestinal Lipases. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 2104-2115.	2.5	8
22	Alteration of protein profile in cerebral cortex of rats exposed to bisphenol a: a proteomics study. <i>NeuroToxicology</i> , 2020, 78, 1-10.	1.4	14
23	Transgene integration causes RARB downregulation in homozygous Tg4 <sup>42</sup> mice. <i>Scientific Reports</i> , 2020, 10, 6377.	1.6	5
24	The Positive Association between Plasma Myristic Acid and ApoCIII Concentrations in Cardiovascular Disease Patients Is Supported by the Effects of Myristic Acid in HepG2 Cells. <i>Journal of Nutrition</i> , 2020, 150, 2707-2715.	1.3	11
25	Plasma proteins facilitates placental transfer of polystyrene particles. <i>Journal of Nanobiotechnology</i> , 2020, 18, 128.	4.2	38
26	Addressing Glutathione Redox Status in Clinical Samples by Two-Step Alkylation with N-ethylmaleimide Isotopologues. <i>Metabolites</i> , 2020, 10, 71.	1.3	23
27	Polyphenol oxidases exhibit promiscuous proteolytic activity. <i>Communications Chemistry</i> , 2020, 3, .	2.0	25
28	High-throughput in-field bioprospecting for cyanogenic plants and hydroxynitrile lyases. <i>Biocatalysis and Biotransformation</i> , 2020, 38, 234-240.	1.1	3
29	Folding Assessment of Incorporation of Noncanonical Amino Acids Facilitates Expansion of Functional Group Diversity for Enzyme Engineering. <i>Chemistry - A European Journal</i> , 2020, 26, 12338-12342.	1.7	7
30	Nasal mucus proteome and its involvement in allergic rhinitis. <i>Expert Review of Proteomics</i> , 2020, 17, 191-199.	1.3	37
31	93-OR: Low Maternal Insulin Sensitivity Associates with DNA-Related Functions in Human First-Trimester Trophoblast. <i>Diabetes</i> , 2020, 69, .	0.3	1
32	A Semi-Rationally Engineered Bacterial Pyrrolysyl-tRNA Synthetase Genetically Encodes Phenyl Azide Chemistry. <i>Biotechnology Journal</i> , 2019, 14, 1800125.	1.8	10
33	Irreversible oxidative post-translational modifications in heart disease. <i>Expert Review of Proteomics</i> , 2019, 16, 681-693.	1.3	21
34	Outgrowth, proliferation, viability, angiogenesis and phenotype of primary human endothelial cells in different purchasable endothelial culture media: feed wisely. <i>Histochemistry and Cell Biology</i> , 2019, 152, 377-390.	0.8	20
35	Endothelial lipase increases antioxidative capacity of high-density lipoprotein. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1363-1374.	1.2	19
36	Proteomic Analysis of Vocal Fold Fibroblasts Exposed to Cigarette Smoke Extract: Exploring the Pathophysiology of Reinke's Edema*. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1511-1525.	2.5	20

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37	Tsr4 and Nap1, two novel members of the ribosomal protein chaperOME. <i>Nucleic Acids Research</i> , 2019, 47, 6984-7002.	6.5	28
38	A Broad Spectrum Protein Glycosylation System Influences Type II Protein Secretion and Associated Phenotypes in <i>Vibrio cholerae</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 2780.	1.5	13
39	The drug target monoacylglycerol lipase: structure and dynamics, conservation and divergence. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e616-e616.	0.0	1
40	Comparison of tear proteome in allergic rhinoconjunctivitis patients and controls with respect to pollen season. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 1541-1543.	2.7	4
41	Myristic acid induces proteomic and secretomic changes associated with steatosis, cytoskeleton remodeling, endoplasmic reticulum stress, protein turnover and exosome release in HepG2 cells. <i>Journal of Proteomics</i> , 2018, 181, 118-130.	1.2	24
42	Deletion of Adipose Triglyceride Lipase Links Triacylglycerol Accumulation to a More-Aggressive Phenotype in A549 Lung Carcinoma Cells. <i>Journal of Proteome Research</i> , 2018, 17, 1415-1425.	1.8	35
43	Proteomics and phosphoproteomics analysis of liver in male rats exposed to bisphenol A: Mechanism of hepatotoxicity and biomarker discovery. <i>Food and Chemical Toxicology</i> , 2018, 112, 26-38.	1.8	44
44	Elevated Cardiac Troponin T in Patients With Skeletal Myopathies. <i>Journal of the American College of Cardiology</i> , 2018, 71, 1540-1549.	1.2	150
45	Olfactory cleft proteome does not reflect olfactory performance in patients with idiopathic and postinfectious olfactory disorder: A pilot study. <i>Scientific Reports</i> , 2018, 8, 17554.	1.6	5
46	High density lipoprotein cholesterol and proteome in SR-B1 KO mice: lost in precipitation. <i>Journal of Translational Medicine</i> , 2018, 16, 309.	1.8	4
47	Quantification of Cellular Folate Species by LC-MS after Stabilization by Derivatization. <i>Analytical Chemistry</i> , 2018, 90, 7349-7356.	3.2	12
48	Effect of Noncanonical Amino Acids on Protein-Carbohydrate Interactions: Structure, Dynamics, and Carbohydrate Affinity of a Lectin Engineered with Fluorinated Tryptophan Analogs. <i>ACS Chemical Biology</i> , 2018, 13, 2211-2219.	1.6	22
49	Prazosin induced lysosomal tubulation interferes with cytokinesis and the endocytic sorting of the tumour antigen CD98hc. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1211-1229.	1.9	2
50	Characterization of a lipid droplet protein from <i>Yarrowia lipolytica</i> that is required for its oleaginous phenotype. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1193-1205.	1.2	17
51	Reply. <i>Journal of the American College of Cardiology</i> , 2018, 72, 349-350.	1.2	0
52	Comparative proteomics of paired vocal fold and oral mucosa fibroblasts. <i>Journal of Proteomics</i> , 2017, 155, 11-21.	1.2	16
53	Enzyme discovery beyond homology: a unique hydroxynitrile lyase in the Bet v1 superfamily. <i>Scientific Reports</i> , 2017, 7, 46738.	1.6	21
54	APMAP interacts with lysyl oxidase-like proteins, and disruption of <i>Apmmap</i> leads to beneficial visceral adipose tissue expansion. <i>FASEB Journal</i> , 2017, 31, 4088-4103.	0.2	16

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55	PpEst is a novel PBAT degrading polyesterase identified by proteomic screening of <i>Pseudomonas pseudoalcaligenes</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2291-2303.	1.7	82
56	Resolution Ladder for High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 9611-9615.	3.2	5
57	Protective effect of crocin on BPA-induced liver toxicity in rats through inhibition of oxidative stress and downregulation of MAPK and MAPKAP signaling pathway and miRNA-122 expression. <i>Food and Chemical Toxicology</i> , 2017, 107, 395-405.	1.8	75
58	P2612 Elevated cardiac troponin T but not troponin I in patients with skeletal muscle disease. <i>European Heart Journal</i> , 2017, 38, .	1.0	7
59	Integrative metabolomics as emerging tool to study autophagy regulation. <i>Microbial Cell</i> , 2017, 4, 240-258.	1.4	18
60	Die Rolle von "Proteomics" in der Erforschung des Nasensekrets bei Allergischer Rhinitis. <i>Allergologie</i> , 2017, 40, 503-506.	0.1	0
61	Tracking Protein S-Fatty Acylation with Proteomics. <i>ChemBioChem</i> , 2016, 17, 1488-1490.	1.3	0
62	N-acetylaspartate catabolism determines cytosolic acetyl-CoA levels and histone acetylation in brown adipocytes. <i>Scientific Reports</i> , 2016, 6, 23723.	1.6	36
63	Refined purification strategy for reliable proteomic profiling of HDL2/3: Impact on proteomic complexity. <i>Scientific Reports</i> , 2016, 6, 38533.	1.6	31
64	Nuclear import of dimerized ribosomal protein Rps3 in complex with its chaperone Yar1. <i>Scientific Reports</i> , 2016, 6, 36714.	1.6	26
65	Cleaning out the Litterbox of Proteomic Scientists'™ Favorite Pet: Optimized Data Analysis Avoiding Trypsin Artifacts. <i>Journal of Proteome Research</i> , 2016, 15, 1222-1229.	1.8	23
66	Refined <i>Pichia pastoris</i> reference genome sequence. <i>Journal of Biotechnology</i> , 2016, 235, 121-131.	1.9	84
67	Structures of almond hydroxynitrile lyase isoenzyme 5 provide a rationale for the lack of oxidoreductase activity in flavin dependent HNLs. <i>Journal of Biotechnology</i> , 2016, 235, 24-31.	1.9	3
68	Liver disease alters high-density lipoprotein composition, metabolism and function. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 630-638.	1.2	64
69	Liver disease alters high-density lipoprotein composition, metabolism and function. <i>Atherosclerosis</i> , 2016, 252, e225.	0.4	0
70	Biotechnological advances towards an enhanced peroxidase production in <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2016, 233, 181-189.	1.9	23
71	Lysosomal acid lipase regulates VLDL synthesis and insulin sensitivity in mice. <i>Diabetologia</i> , 2016, 59, 1743-1752.	2.9	37
72	<i>Pichia pastoris</i> mutants as host strains for efficient secretion of recombinant branched chain aminotransferase (BCAT). <i>Journal of Biotechnology</i> , 2016, 235, 84-91.	1.9	8

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73	Seasonal proteome changes of nasal mucus reflect perennial inflammatory response and reduced defence mechanisms and plasticity in allergic rhinitis. <i>Journal of Proteomics</i> , 2016, 133, 153-160.	1.2	17
74	Synergism of proteomics and mRNA sequencing for enzyme discovery. <i>Journal of Biotechnology</i> , 2016, 235, 132-138.	1.9	13
75	Crystal structure of the <i>Saccharomyces cerevisiae</i> monoglyceride lipase Yju3p. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 462-470.	1.2	25
76	Recombinant production of a peroxidase-protein G fusion protein in <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2016, 219, 24-27.	1.9	12
77	The cytotoxicity of the $\alpha_1$ -adrenoceptor antagonist prazosin is linked to an endocytotic mechanism equivalent to transport-P. <i>Toxicology</i> , 2015, 338, 17-29.	2.0	5
78	Label-free mass spectrometry analysis of <i>Drosophila melanogaster</i> heads. <i>Proteomics</i> , 2015, 15, 3356-3360.	1.3	59
79	Bioprospecting for Hydroxynitrile Lyases by Blue Native PAGE Coupled HCN Detection. <i>Current Biotechnology</i> , 2015, 4, 111-117.	0.2	4
80	Restoration of Renal Function Does Not Correct Impairment of Uremic HDL Properties. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 565-575.	3.0	37
81	Phosphoryl Transfer from $\alpha$ -Glucose 1-Phosphate Catalyzed by <i>Escherichia coli</i> Sugar-Phosphate Phosphatases of Two Protein Superfamily Types. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1559-1572.	1.4	12
82	Weighing the Proteasome for Covalent Modifications. <i>Chemistry and Biology</i> , 2015, 22, 315-316.	6.2	1
83	CGI-58/ABHD5 is phosphorylated on Ser239 by protein kinase A: control of subcellular localization. <i>Journal of Lipid Research</i> , 2015, 56, 109-121.	2.0	60
84	A robust and simple protocol for the synthesis of arylfluorophosphonates. <i>Tetrahedron Letters</i> , 2015, 56, 5619-5622.	0.7	6
85	Apolipoproteins have a potential role in nasal mucus of allergic rhinitis patients: A proteomic study. <i>Laryngoscope</i> , 2015, 125, E91-E96.	1.1	20
86	Molecular Composition and Function of High-Density Lipoprotein Is Uniquely Altered After Kidney Transplantation.. <i>Transplantation</i> , 2014, 98, 565.	0.5	0
87	More than just a Halogenase: Modification of Fatty Acyl Moieties by a Trifunctional Metal Enzyme. <i>ChemBioChem</i> , 2014, 15, 567-574.	1.3	45
88	Label-based mass spectrometric analysis of hippocampal transmembrane proteins using high resolution LTQ Orbitrap Velos Pro. <i>Proteomics</i> , 2014, 14, 2084-2088.	1.3	5
89	Unique Crystal Structure of a Novel Surfactant Protein from the Foam Nest of the Frog <i>Leptodactylus vastus</i> . <i>ChemBioChem</i> , 2014, 15, 393-398.	1.3	14
90	Variations of dissection properties and mass fractions with thrombus age in human abdominal aortic aneurysms. <i>Journal of Biomechanics</i> , 2014, 47, 14-23.	0.9	31

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91	Synergistic modular promoter and gene optimization to push cellulase secretion by <i>Pichia pastoris</i> beyond existing benchmarks. <i>Journal of Biotechnology</i> , 2014, 191, 187-195.	1.9	41
92	Gestational diabetes mellitus modulates neonatal high-density lipoprotein composition and its functional heterogeneity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1619-1627.	1.2	35
93	The (potential) role of apolipoproteins in nasal mucus of allergic rhinitis patients. <i>Clinical and Translational Allergy</i> , 2014, 4, .	1.4	3
94	Understanding high-density lipoprotein function in disease: Recent advances in proteomics unravel the complexity of its composition and biology. <i>Progress in Lipid Research</i> , 2014, 56, 36-46.	5.3	96
95	Structure of the double-stranded DNA-binding type IV secretion protein TraN from <i>Enterococcus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 2376-2389.	2.5	11
96	Nasal mucus proteomic changes reflect altered immune responses and epithelial permeability in patients with allergic rhinitis. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 741-750.	1.5	74
97	Endothelial lipase attenuates vasorelaxing capacity of HDL. <i>Atherosclerosis</i> , 2014, 235, e45.	0.4	0
98	The type IV secretion protein TraK from the <i>Enterococcus</i> conjugative plasmid pIP501 exhibits a novel fold. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1124-1135.	2.5	9
99	Comparative proteomic analysis of tear fluid versus nasal mucus in allergic rhinitis patients and healthy controls. <i>Clinical and Translational Allergy</i> , 2013, 3, P18.	1.4	0
100	Mechanism of dual specificity kinase activity of DYRK1A. <i>FEBS Journal</i> , 2013, 280, 4495-4511.	2.2	53
101	Activated zeolite suitable carriers for microorganisms in anaerobic digestion processes?. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3225-3238.	1.7	24
102	Enzymatic synthesis of antibody-human serum albumin conjugate for targeted drug delivery using tyrosinase from <i>Agaricus bisporus</i> . <i>RSC Advances</i> , 2013, 3, 1460-1467.	1.7	16
103	Distinct composition of human fetal HDL attenuates its anti-oxidative capacity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 737-746.	1.2	48
104	Oxidative albumin damage in chronic liver failure: Relation to albumin binding capacity, liver dysfunction and survival. <i>Journal of Hepatology</i> , 2013, 59, 978-983.	1.8	157
105	The PPAR $\alpha$ agonist fenofibrate suppresses B-cell lymphoma in mice by modulating lipid metabolism. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 1555-1565.	1.2	32
106	Conformational Plasticity and Ligand Binding of Bacterial Monoacylglycerol Lipase. <i>Journal of Biological Chemistry</i> , 2013, 288, 31093-31104.	1.6	44
107	Crystallization and preliminary structure determination of the transfer protein TraM from the Gram-positive conjugative plasmid pIP501. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 178-183.	0.7	6
108	The 2.5 Å... Structure of the <i>Enterococcus</i> Conjugation Protein TraM resembles VirB8 Type IV Secretion Proteins. <i>Journal of Biological Chemistry</i> , 2013, 288, 2018-2028.	1.6	50

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109	Extracellular serine proteases from <i>Stenotrophomonas maltophilia</i> : Screening, isolation and heterologous expression in <i>E. coli</i> . <i>Journal of Biotechnology</i> , 2012, 157, 140-147.	1.9	37
110	Clinoptilolite – a probiotic mineral for eupeptic biogas production plants. <i>New Biotechnology</i> , 2012, 29, S45.	2.4	0
111	Clinoptilolite – a probiotic mineral for eupeptic biogas production plants. <i>New Biotechnology</i> , 2012, 29, S189-S190.	2.4	0
112	Psoriasis alters HDL composition and cholesterol efflux capacity. <i>Journal of Lipid Research</i> , 2012, 53, 1618-1624.	2.0	132
113	Functional fat body proteomics and gene targeting reveal in vivo functions of <i>Drosophila melanogaster</i> Lipase-7. <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 220-229.	1.2	33
114	Adiponutrin Functions as a Nutritionally Regulated Lysophosphatidic Acid Acyltransferase. <i>Cell Metabolism</i> , 2012, 15, 691-702.	7.2	258
115	Engineering of <i>Aerococcus viridans</i> -Lactate Oxidase for Site-Specific PEGylation: Characterization and Selective Bioorthogonal Modification of a S218C Mutant. <i>Bioconjugate Chemistry</i> , 2012, 23, 1406-1414.	1.8	20
116	Uremia alters HDL composition and cholesterol efflux capacity. <i>BMC Pharmacology &amp; Toxicology</i> , 2012, 13, A15.	1.0	0
117	Proteomics reveals selective regulation of proteins in response to memory-related serotonin stimulation in <i>Aplysia californica</i> ganglia. <i>Proteomics</i> , 2012, 12, 490-499.	1.3	14
118	Proteomic characterization of the abdominal ganglion of <i>Aplysia californica</i> – A protein resource for neuroscience. <i>Proteomics</i> , 2012, 12, 2482-2486.	1.3	2
119	Lipolytic proteomics. <i>Mass Spectrometry Reviews</i> , 2012, 31, 570-582.	2.8	4
120	Non-native aggregation of recombinant human granulocyte colony stimulating factor under simulated process stress conditions. <i>Biotechnology Journal</i> , 2012, 7, 1014-1024.	1.8	9
121	Activity based subcellular resolution imaging of lipases. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 628-632.	1.4	23
122	Crystallization and preliminary X-ray diffraction of the surfactant protein Lv-ranaspumin from the frog <i>Leptodactylus vastus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 321-323.	0.7	2
123	A Stereoselective Inverting <i>sec</i> -Alkylsulfatase for the Deracemization of <i>sec</i> -Alcohols. <i>Organic Letters</i> , 2011, 13, 4296-4299.	2.4	33
124	d-Xylulose kinase from <i>Saccharomyces cerevisiae</i> : Isolation and characterization of the highly unstable enzyme, recombinantly produced in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2011, 79, 223-230.	0.6	12
125	Homoallylic Alcohols via a Chemo-Enzymatic One-Pot Oxidation-Allylation Cascade. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2354-2358.	2.1	23
126	Hydrolysis of polyethyleneterephthalate by <i>p</i> -nitrobenzylesterase from <i>Bacillus subtilis</i> . <i>Biotechnology Progress</i> , 2011, 27, 951-960.	1.3	138



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127	Cross-linking of collagen with laccases and tyrosinases. <i>Materials Science and Engineering C</i> , 2011, 31, 1068-1077.	3.8	70
128	The propeptide of yeast cathepsin D inhibits programmed necrosis. <i>Cell Death and Disease</i> , 2011, 2, e161-e161.	2.7	55
129	Uremia Alters HDL Composition and Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 1631-1641.	3.0	237
130	Cholesteryl ester hydrolase activity is abolished in HSL macrophages but unchanged in macrophages lacking KIAA1363. <i>Journal of Lipid Research</i> , 2010, 51, 2896-2908.	2.0	45
131	C-terminal truncation of a metagenome-derived detergent protease for effective expression in <i>E. coli</i> . <i>Journal of Biotechnology</i> , 2010, 150, 408-416.	1.9	24
132	Functional Proteomic Analysis of Lipases and Esterases in Cultured Human Adipocytes. <i>Journal of Proteome Research</i> , 2010, 9, 6334-6344.	1.8	15
133	Newborn platelets: Lower levels of protease-activated receptors cause hypoaggregability to thrombin. <i>Platelets</i> , 2010, 21, 641-647.	1.1	31
134	Oxygen Sensing of Mesenchymal Stem and Progenitor Cells Facilitates Neo-Vasculogenesis In Vivo. <i>Blood</i> , 2010, 116, 4313-4313.	0.6	0
135	Differential activity-based gel electrophoresis for comparative analysis of lipolytic and esterolytic activities. <i>Journal of Lipid Research</i> , 2009, 50, 1281-1292.	2.0	19
136	Towards the structure of the C-terminal part of the S-layer protein SbsC. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 1042-1047.	0.7	5
137	The effect of carbamylation on the functionality of high-density lipoprotein. <i>BMC Pharmacology</i> , 2009, 9, .	0.4	0
138	Functional proteomics in lipid research: Lipases, lipid droplets and lipoproteins. <i>Journal of Proteomics</i> , 2009, 72, 1006-1018.	1.2	23
139	Activity-Based Profiling of Lipases in Living Cells. , 2009, 580, 251-266.		3
140	Lipolytic and esterolytic activity-based profiling of murine liver. <i>Proteomics</i> , 2008, 8, 3645-3656.	1.3	16
141	Alternative pig liver esterase (APLE) – Cloning, identification and functional expression in <i>Pichia pastoris</i> of a versatile new biocatalyst. <i>Journal of Biotechnology</i> , 2008, 133, 301-310.	1.9	33
142	Activity-Based Proteomics of Lipolytic Enzymes. <i>Current Drug Discovery Technologies</i> , 2007, 4, 1-11.	0.6	15
143	Fluorescent Probes for Lipolytic Enzymes. , 2006, , 239-269.		0
144	Bacterially expressed and optimized recombinant Phl p 1 is immunobiochemically equivalent to natural Phl p 1. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 1701-1709.	1.1	14

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145	A versatile library of activity-based probes for fluorescence detection and/or affinity isolation of lipolytic enzymes. <i>Chemistry and Physics of Lipids</i> , 2006, 144, 60-68.	1.5	17
146	Activity-based proteomics: enzymatic activity profiling in complex proteomes. <i>Amino Acids</i> , 2006, 30, 333-350.	1.2	57
147	Inhibitor and Protein Microarrays for Activity-Based Recognition of Lipolytic Enzymes. <i>ChemBioChem</i> , 2006, 7, 527-534.	1.3	18
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149	The Lipolytic Proteome of Mouse Adipose Tissue. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1710-1717.	2.5	53
150	Identification of various lipolytic enzymes in crude porcine pancreatic lipase preparations using covalent fluorescent inhibitors. <i>Biotechnology and Bioengineering</i> , 2004, 85, 147-154.	1.7	30
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