

Martin von Bergen

List of Publications by Year in descending order

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331
papers

21,382
citations

15504

65
h-index

13771

129
g-index

343
all docs

343
docs citations

343
times ranked

28148
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete nitrification by <i>Nitrospira</i> bacteria. <i>Nature</i> , 2015, 528, 504-509.	27.8	1,878
2	Sex Differences in the Gut Microbiome Drive Hormone-Dependent Regulation of Autoimmunity. <i>Science</i> , 2013, 339, 1084-1088.	12.6	1,565
3	Assembly of τ , protein into Alzheimer paired helical filaments depends on a local sequence motif () Tj ETQq1 1 0.784314 rgBT /Overlo Sciences of the United States of America, 2000, 97, 5129-5134.	7.1	909
4	Mutations of Tau Protein in Frontotemporal Dementia Promote Aggregation of Paired Helical Filaments by Enhancing Local β -Structure. <i>Journal of Biological Chemistry</i> , 2001, 276, 48165-48174.	3.4	501
5	Gut microbiota disturbance during antibiotic therapy: a multi-omic approach. <i>Gut</i> , 2013, 62, 1591-1601.	12.1	488
6	Global Hairpin Folding of Tau in Solution. <i>Biochemistry</i> , 2006, 45, 2283-2293.	2.5	350
7	A nucleated assembly mechanism of Alzheimer paired helical filaments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 15712-15717.	7.1	328
8	Tau aggregation is driven by a transition from random coil to beta sheet structure. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1739, 158-166.	3.8	321
9	Dysbiotic gut microbiota causes transmissible Crohn's disease-like ileitis independent of failure in antimicrobial defence. <i>Gut</i> , 2016, 65, 225-237.	12.1	317
10	Antraquinones Inhibit Tau Aggregation and Dissolve Alzheimer's Paired Helical Filaments in Vitro and in Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 3628-3635.	3.4	305
11	Inducible Expression of Tau Repeat Domain in Cell Models of Tauopathy. <i>Journal of Biological Chemistry</i> , 2006, 281, 1205-1214.	3.4	302
12	Soil Fungal:Bacterial Ratios Are Linked to Altered Carbon Cycling. <i>Frontiers in Microbiology</i> , 2016, 7, 1247.	3.5	292
13	Sites of Tau Important for Aggregation Populate β -Structure and Bind to Microtubules and Polyanions. <i>Journal of Biological Chemistry</i> , 2005, 280, 24978-24986.	3.4	275
14	Functional metaproteome analysis of protein extracts from contaminated soil and groundwater. <i>ISME Journal</i> , 2007, 1, 224-234.	9.8	267
15	Membrane Vesicle Formation as a Multiple-Stress Response Mechanism Enhances <i>Pseudomonas putida</i> DOT-T1E Cell Surface Hydrophobicity and Biofilm Formation. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6217-6224.	3.1	235
16	Cyanate as an energy source for nitrifiers. <i>Nature</i> , 2015, 524, 105-108.	27.8	231
17	The Natively Unfolded Character of Tau and Its Aggregation to Alzheimer-like Paired Helical Filaments. <i>Biochemistry</i> , 2008, 47, 10526-10539.	2.5	224
18	Structural Principles of Tau and the Paired Helical Filaments of Alzheimer's Disease. <i>Brain Pathology</i> , 2007, 17, 83-90.	4.1	221

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19	Highly Populated Turn Conformations in Natively Unfolded Tau Protein Identified from Residual Dipolar Couplings and Molecular Simulation. <i>Journal of the American Chemical Society</i> , 2007, 129, 5235-5243.	13.7	208
20	Microbiota from the distal guts of lean and obese adolescents exhibit partial functional redundancy besides clear differences in community structure. <i>Environmental Microbiology</i> , 2013, 15, 211-226.	3.8	206
21	Combined Proteomic and Metabolomic Profiling of Serum Reveals Association of the Complement System with Obesity and Identifies Novel Markers of Body Fat Mass Changes. <i>Journal of Proteome Research</i> , 2011, 10, 4769-4788.	3.7	201
22	MiR-130a, miR-203 and miR-205 jointly repress key oncogenic pathways and are downregulated in prostate carcinoma. <i>Oncogene</i> , 2013, 32, 277-285.	5.9	198
23	RNAcode: Robust discrimination of coding and noncoding regions in comparative sequence data. <i>Rna</i> , 2011, 17, 578-594.	3.5	188
24	Diverse sulfate-reducing bacteria of the <i>Desulfosarcina/Desulfococcus</i> clade are the key alkane degraders at marine seeps. <i>ISME Journal</i> , 2014, 8, 2029-2044.	9.8	182
25	Rational design of a microbial consortium of mucosal sugar utilizers reduces <i>Clostridiodes difficile</i> colonization. <i>Nature Communications</i> , 2020, 11, 5104.	12.8	177
26	Maternal and newborn vitamin D status and its impact on food allergy development in the German LINA cohort study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013, 68, 220-228.	5.7	170
27	The "jaws" of the Tau-Microtubule Interaction. <i>Journal of Biological Chemistry</i> , 2007, 282, 12230-12239.	3.4	167
28	Higher plasma levels of lysophosphatidylcholine 18:0 are related to a lower risk of common cancers in a prospective metabolomics study. <i>BMC Medicine</i> , 2016, 14, 13.	5.5	163
29	The gut bacterium <i>Extibacter muris</i> produces secondary bile acids and influences liver physiology in gnotobiotic mice. <i>Gut Microbes</i> , 2021, 13, 1-21.	9.8	161
30	Adipose tissue derived bacteria are associated with inflammation in obesity and type 2 diabetes. <i>Gut</i> , 2020, 69, 1796-1806.	12.1	149
31	Characterization of Alzheimer's-like Paired Helical Filaments from the Core Domain of Tau Protein Using Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 5922-5928.	13.7	147
32	Prospects and challenges of multi-omics data integration in toxicology. <i>Archives of Toxicology</i> , 2020, 94, 371-388.	4.2	142
33	Maternal and cord blood miR-223 expression associates with prenatal tobacco smoke exposure and low regulatory T-cell numbers. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 543-550.e4.	2.9	137
34	Structure of tau protein and assembly into paired helical filaments. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2000, 1502, 122-132.	3.8	130
35	The Core of Tau-Paired Helical Filaments Studied by Scanning Transmission Electron Microscopy and Limited Proteolysis. <i>Biochemistry</i> , 2006, 45, 6446-6457.	2.5	130
36	MicroRNA-21 targets tumor suppressor genes ANP32A and SMARCA4. <i>Oncogene</i> , 2011, 30, 2975-2985.	5.9	129

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37	Protein-based stable isotope probing (Protein-SIP) reveals active species within anoxic mixed cultures. ISME Journal, 2008, 2, 1122-1133.	9.8	126
38	Metaproteogenomic insights beyond bacterial response to naphthalene exposure and bio-stimulation. ISME Journal, 2013, 7, 122-136.	9.8	124
39	Protein-SIP enables time-resolved analysis of the carbon flux in a sulfate-reducing, benzene-degrading microbial consortium. ISME Journal, 2012, 6, 2291-2301.	9.8	109
40	Insights from quantitative metaproteomics and protein-stable isotope probing into microbial ecology. ISME Journal, 2013, 7, 1877-1885.	9.8	107
41	Identification of a multi- ϵ -protein reductive dehalogenase complex in <i>D. ehalococcoides mccartyi</i> strain CBDB1 suggests a protein-dependent respiratory electron transport chain obviating quinone involvement. Environmental Microbiology, 2016, 18, 3044-3056.	3.8	106
42	Synbiotic-driven improvement of metabolic disturbances is associated with changes in the gut microbiome in diet-induced obese mice. Molecular Metabolism, 2019, 22, 96-109.	6.5	102
43	Combined Genomic and Proteomic Approaches Identify Gene Clusters Involved in Anaerobic 2-Methylnaphthalene Degradation in the Sulfate-Reducing Enrichment Culture N47. Journal of Bacteriology, 2010, 192, 295-306.	2.2	101
44	Identification of spore allergens from the indoor mould <i>Aspergillus versicolor</i> . Allergy: European Journal of Allergy and Clinical Immunology, 2008, 63, 454-460.	5.7	98
45	Expression cartography of human tissues using self organizing maps. BMC Bioinformatics, 2011, 12, 306.	2.6	98
46	Protein-based stable isotope probing. Nature Protocols, 2010, 5, 1957-1966.	12.0	97
47	Maternal phthalate exposure promotes allergic airway inflammation over 2 generations through epigenetic modifications. Journal of Allergy and Clinical Immunology, 2018, 141, 741-753.	2.9	92
48	Microbial minorities modulate methane consumption through niche partitioning. ISME Journal, 2013, 7, 2214-2228.	9.8	91
49	Improving protein extraction and separation methods for investigating the metaproteome of anaerobic benzene communities within sediments. Biodegradation, 2009, 20, 737-750.	3.0	86
50	Reversible Biological Birch Reduction at an Extremely Low Redox Potential. Journal of the American Chemical Society, 2010, 132, 9850-9856.	13.7	85
51	Discrimination of different species from the genus <i>Drosophila</i> by intact protein profiling using matrix-assisted laser desorption ionization mass spectrometry. BMC Evolutionary Biology, 2010, 10, 95.	3.2	83
52	Rice Paddy Nitrospirae Carry and Express Genes Related to Sulfate Respiration: Proposal of the New Genus <i>Candidatus Sulfochromatium</i> . Applied and Environmental Microbiology, 2018, 84, .	3.1	83
53	Screening for Inhibitors of Tau Polymerization. Current Alzheimer Research, 2005, 2, 219-226.	1.4	81
54	Functional consequences of microbial shifts in the human gastrointestinal tract linked to antibiotic treatment and obesity. Gut Microbes, 2013, 4, 306-315.	9.8	81

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55	<i>In situ</i> protein-SIP highlights Burkholderiaceae as key players degrading toluene by para ring hydroxylation in a constructed wetland model. <i>Environmental Microbiology</i> , 2016, 18, 1176-1186.	3.8	81
56	Incorporation of carbon and nitrogen atoms into proteins measured by protein-based stable isotope probing (Protein-SIP). <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2889-2897.	1.5	77
57	Maternal paraben exposure triggers childhood overweight development. <i>Nature Communications</i> , 2020, 11, 561.	12.8	77
58	Human fibroblasts support the expansion of IL-17-producing T cells via up-regulation of IL-23 production by dendritic cells. <i>Blood</i> , 2010, 116, 1715-1725.	1.4	76
59	Phenol Degradation in the Strictly Anaerobic Iron-Reducing Bacterium <i>Geobacter metallireducens</i> GS-15. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3912-3919.	3.1	74
60	Metabolomic biomarkers correlating with hepatic lipidosis in dairy cows. <i>BMC Veterinary Research</i> , 2014, 10, 122.	1.9	74
61	The effect of the degree of sulfation of glycosaminoglycans on osteoclast function and signaling pathways. <i>Biomaterials</i> , 2012, 33, 8418-8429.	11.4	73
62	Relationship between sources and patterns of VOCs in indoor air. <i>Atmospheric Pollution Research</i> , 2014, 5, 129-137.	3.8	73
63	Interactions between bile salts, gut microbiota, and hepatic innate immunity. <i>Immunological Reviews</i> , 2017, 279, 23-35.	6.0	73
64	Identification of T helper (Th)1- and Th2-associated antigens of <i>Cryptococcus neoformans</i> in a murine model of pulmonary infection. <i>Scientific Reports</i> , 2018, 8, 2681.	3.3	73
65	Mining SOM expression portraits: feature selection and integrating concepts of molecular function. <i>BioData Mining</i> , 2012, 5, 18.	4.0	70
66	The Venomics of <i>Bothrops alternatus</i> is a Pool of Acidic Proteins with Predominant Hemorrhagic and Coagulopathic Activities. <i>Journal of Proteome Research</i> , 2010, 9, 2422-2437.	3.7	69
67	Elucidation of in situ polycyclic aromatic hydrocarbon degradation by functional metaproteomics (Protein-SIP). <i>Proteomics</i> , 2013, 13, 2910-2920.	2.2	69
68	Anaerobic naphthalene degradation by sulfate-reducing Desulfobacteraceae from various anoxic aquifers. <i>FEMS Microbiology Ecology</i> , 2015, 91, .	2.7	67
69	Random Survival Forest in practice: a method for modelling complex metabolomics data in time to event analysis. <i>International Journal of Epidemiology</i> , 2016, 45, 1406-1420.	1.9	67
70	Protein-SIP in environmental studies. <i>Current Opinion in Biotechnology</i> , 2016, 41, 26-33.	6.6	67
71	The Acclimation of <i>Phaeodactylum tricornutum</i> to Blue and Red Light Does Not Influence the Photosynthetic Light Reaction but Strongly Disturbs the Carbon Allocation Pattern. <i>PLoS ONE</i> , 2014, 9, e99727.	2.5	67
72	Comparative Analysis of the Venom Proteomes of <i>Vipera ammodytes ammodytes</i> and <i>Vipera ammodytes meridionalis</i> . <i>Journal of Proteome Research</i> , 2008, 7, 866-886.	3.7	66

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73	Snake venomomics of the Siamese Russell's viper (<i>Daboia russelli siamensis</i>) – Relation to pharmacological activities. <i>Journal of Proteomics</i> , 2009, 72, 256-269.	2.4	66
74	The aromatic volatile organic compounds toluene, benzene and styrene induce COX-2 and prostaglandins in human lung epithelial cells via oxidative stress and p38 MAPK activation. <i>Toxicology</i> , 2011, 289, 28-37.	4.2	66
75	Structure, Stability, and Aggregation of Paired Helical Filaments from Tau Protein and FTDP-17 Mutants Probed by Tryptophan Scanning Mutagenesis. <i>Journal of Biological Chemistry</i> , 2002, 277, 41390-41400.	3.4	65
76	Structural and Microtubule Binding Properties of Tau Mutants of Frontotemporal Dementias. <i>Biochemistry</i> , 2007, 46, 2574-2582.	2.5	65
77	Microbiome manipulation modifies sex-specific risk for autoimmunity. <i>Gut Microbes</i> , 2014, 5, 485-493.	9.8	65
78	Effects of chronic dietary exposure of zinc oxide nanoparticles on the serum protein profile of juvenile common carp (<i>Cyprinus carpio</i> L.). <i>Science of the Total Environment</i> , 2017, 579, 1504-1511.	8.0	65
79	MetaProSIP: Automated Inference of Stable Isotope Incorporation Rates in Proteins for Functional Metaproteomics. <i>Journal of Proteome Research</i> , 2015, 14, 619-627.	3.7	64
80	Metaproteome Analysis and Molecular Genetics of Rat Intestinal Microbiota Reveals Section and Localization Resolved Species Distribution and Enzymatic Functionalities. <i>Journal of Proteome Research</i> , 2012, 11, 5406-5417.	3.7	63
81	Serum metabolites and risk of myocardial infarction and ischemic stroke: a targeted metabolomic approach in two German prospective cohorts. <i>European Journal of Epidemiology</i> , 2018, 33, 55-66.	5.7	63
82	Sulfated Hyaluronan Containing Collagen Matrices Enhance Cell-Matrix-Interaction, Endocytosis, and Osteogenic Differentiation of Human Mesenchymal Stromal Cells. <i>Journal of Proteome Research</i> , 2013, 12, 378-389.	3.7	62
83	<i>Dehalococcoides mccartyi</i> Strain DCMB5 Respires a Broad Spectrum of Chlorinated Aromatic Compounds. <i>Applied and Environmental Microbiology</i> , 2015, 81, 587-596.	3.1	62
84	Enhancing metaproteomics – The value of models and defined environmental microbial systems. <i>Proteomics</i> , 2016, 16, 783-798.	2.2	62
85	Protein-based stable isotope probing (protein-SIP) in functional metaproteomics. <i>Mass Spectrometry Reviews</i> , 2012, 31, 683-697.	5.4	61
86	An unusual strategy for the anoxic biodegradation of phthalate. <i>ISME Journal</i> , 2017, 11, 224-236.	9.8	61
87	Di-(2-Ethylhexyl)-Phthalate (DEHP) Causes Impaired Adipocyte Function and Alters Serum Metabolites. <i>PLoS ONE</i> , 2015, 10, e0143190.	2.5	61
88	Snake Venomic of <i>Crotalus durissus terrificus</i> – Correlation with Pharmacological Activities. <i>Journal of Proteome Research</i> , 2010, 9, 2302-2316.	3.7	60
89	Volatile Organic Compounds Enhance Allergic Airway Inflammation in an Experimental Mouse Model. <i>PLoS ONE</i> , 2012, 7, e39817.	2.5	60
90	Bacteria dominate the short-term assimilation of plant-derived N in soil. <i>Soil Biology and Biochemistry</i> , 2016, 96, 30-38.	8.8	59

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91	Metaproteomics and metabolomics analyses of chronically petroleum-polluted sites reveal the importance of general anaerobic processes uncoupled with degradation. <i>Proteomics</i> , 2015, 15, 3508-3520.	2.2	58
92	Fatty Acid Oxidation Compensates for Lipopolysaccharide-Induced Warburg Effect in Glucose-Deprived Monocytes. <i>Frontiers in Immunology</i> , 2017, 8, 609.	4.8	58
93	Spectroscopic Approaches to the Conformation of Tau Protein in Solution and in Paired Helical Filaments. <i>Neurodegenerative Diseases</i> , 2006, 3, 197-206.	1.4	57
94	Tracking active groundwater microbes with D ₂ O labelling to understand their ecosystem function. <i>Environmental Microbiology</i> , 2018, 20, 369-384.	3.8	57
95	Vitellogenin cleavage products as indicators for toxic stress in zebra fish embryos: A proteomic approach. <i>Proteomics</i> , 2007, 7, 4541-4554.	2.2	56
96	Prenatal maternal stress and wheeze in children: novel insights into epigenetic regulation. <i>Scientific Reports</i> , 2016, 6, 28616.	3.3	55
97	Prenatal VOC exposure and redecoration are related to wheezing in early infancy. <i>Environment International</i> , 2014, 73, 393-401.	10.0	54
98	Identification and characterization of 2- <i>n</i> -naphthoyl-coenzyme A reductase, the prototype of a novel class of dearomatizing reductases. <i>Molecular Microbiology</i> , 2013, 88, 1032-1039.	2.5	52
99	A metabolomics approach to characterize phenotypes of metabolic transition from late pregnancy to early lactation in dairy cows. <i>Metabolomics</i> , 2016, 12, 1.	3.0	52
100	Structural characterization of β -sheeted oligomers formed on the pathway of oxidative prion protein aggregation in vitro. <i>Journal of Structural Biology</i> , 2007, 157, 308-320.	2.8	51
101	Combining metagenomics with metaproteomics and stable isotope probing reveals metabolic pathways used by a naturally occurring marine methylotroph. <i>Environmental Microbiology</i> , 2015, 17, 4007-4018.	3.8	51
102	Bidirectional Role of NLRP3 During Acute and Chronic Cholestatic Liver Injury. <i>Hepatology</i> , 2021, 73, 1836-1854.	7.3	51
103	Mechanistic Insights Into the Global Response to Phenol in the Phenol-biodegrading Strain <i>Pseudomonas</i> sp. M1 Revealed by Quantitative Proteomics. <i>OMICS A Journal of Integrative Biology</i> , 2007, 11, 233-251.	2.0	50
104	Methylamine as a nitrogen source for microorganisms from a coastal marine environment. <i>Environmental Microbiology</i> , 2017, 19, 2246-2257.	3.8	50
105	Proteome profile and proteogenomics of the organohalide-respiring bacterium <i>Dehalococcoides mccartyi</i> strain CBDB1 grown on hexachlorobenzene as electron acceptor. <i>Journal of Proteomics</i> , 2014, 98, 59-64.	2.4	49
106	Analysis of structure, function, and activity of a benzene-degrading microbial community. <i>FEMS Microbiology Ecology</i> , 2013, 85, 14-26.	2.7	48
107	Proteomics of the organohalide-respiring Epsilonproteobacterium <i>Sulfurospirillum multivorans</i> adapted to tetrachloroethene and other energy substrates. <i>Scientific Reports</i> , 2015, 5, 13794.	3.3	48
108	Characterization of a multianalyte GC-MS/MS procedure for detecting and quantifying polycyclic aromatic hydrocarbons (PAHs) and PAH derivatives from air particulate matter for an improved risk assessment. <i>Environmental Pollution</i> , 2019, 255, 112967.	7.5	48

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109	Elucidating MTBE degradation in a mixed consortium using a multidisciplinary approach. FEMS Microbiology Ecology, 2010, 73, no-no.	2.7	47
110	Bioinformatic progress and applications in metaproteogenomics for bridging the gap between genomic sequences and metabolic functions in microbial communities. Proteomics, 2013, 13, 2786-2804.	2.2	46
111	Biochemical and molecular genetic characterisation of a novel laccase produced by the aquatic ascomycete <i>Phoma</i> sp. UHH 5-1-03. Applied Microbiology and Biotechnology, 2009, 84, 1095-1105.	3.6	45
112	An integrative overview of genomic, transcriptomic and proteomic analyses in organohalide respiration research. FEMS Microbiology Ecology, 2018, 94, .	2.7	45
113	Identification of harmless and pathogenic algae of the genus <i>Prototheca</i> by MALDI-MS. Proteomics - Clinical Applications, 2009, 3, 774-784.	1.6	44
114	Advanced tool for characterization of microbial cultures by combining cytomics and proteomics. Applied Microbiology and Biotechnology, 2010, 88, 575-584.	3.6	44
115	Osteoblast-released Matrix Vesicles, Regulation of Activity and Composition by Sulfated and Non-sulfated Glycosaminoglycans. Molecular and Cellular Proteomics, 2016, 15, 558-572.	3.8	44
116	Insight into the modulation of intestinal proteome of juvenile common carp (<i>Cyprinus carpio</i> L.) after dietary exposure to ZnO nanoparticles. Science of the Total Environment, 2018, 613-614, 62-71.	8.0	44
117	Styrene induces an inflammatory response in human lung epithelial cells via oxidative stress and NF- κ B activation. Toxicology and Applied Pharmacology, 2008, 231, 241-247.	2.8	43
118	Optimization of parameters for coverage of low molecular weight proteins. Analytical and Bioanalytical Chemistry, 2010, 398, 2867-2881.	3.7	43
119	Concentration-“response concept in ecotoxicoproteomics: Effects of different phenanthrene concentrations to the zebrafish (<i>Danio rerio</i>) embryo proteome. Ecotoxicology and Environmental Safety, 2012, 76, 11-22.	6.0	41
120	Comparison of targeted peptide quantification assays for reductive dehalogenases by selective reaction monitoring (SRM) and precursor reaction monitoring (PRM). Analytical and Bioanalytical Chemistry, 2014, 406, 283-291.	3.7	41
121	Decarboxylating and Nondecarboxylating Glutaryl-Coenzyme A Dehydrogenases in the Aromatic Metabolism of Obligately Anaerobic Bacteria. Journal of Bacteriology, 2009, 191, 4401-4409.	2.2	40
122	Time resolved protein-based stable isotope probing (Protein-SIP) analysis allows quantification of induced proteins in substrate shift experiments. Proteomics, 2011, 11, 2265-2274.	2.2	40
123	Gastric bypass surgery in a rat model alters the community structure and functional composition of the intestinal microbiota independently of weight loss. Microbiome, 2020, 8, 13.	11.1	40
124	Enzymes involved in the anaerobic degradation of <i>meta</i> -substituted halobenzoates. Molecular Microbiology, 2011, 82, 758-769.	2.5	39
125	Identification of new protein coding sequences and signal peptidase cleavage sites of <i>Helicobacter pylori</i> strain 26695 by proteogenomics. Journal of Proteomics, 2013, 86, 27-42.	2.4	37
126	Biochemical Foundations of Health and Energy Conservation in Hibernating Free-ranging Subadult Brown Bear <i>Ursus arctos</i> . Journal of Biological Chemistry, 2016, 291, 22509-22523.	3.4	37

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127	Disease Development Is Accompanied by Changes in Bacterial Protein Abundance and Functions in a Refined Model of Dextran Sulfate Sodium (DSS)-Induced Colitis. <i>Journal of Proteome Research</i> , 2019, 18, 1774-1786.	3.7	37
128	Combined Serum Proteomic and Metabonomic Profiling After Laparoscopic Sleeve Gastrectomy in Children and Adolescents. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2012, 22, 184-188.	1.0	36
129	Candidate Brocadiales dominates C, N and S cycling in anoxic groundwater of a pristine limestone-fracture aquifer. <i>Journal of Proteomics</i> , 2017, 152, 153-160.	2.4	36
130	Subpopulation-proteomics in prokaryotic populations. <i>Current Opinion in Biotechnology</i> , 2013, 24, 79-87.	6.6	35
131	Attenuation of Postoperative Acute Liver Failure by Mesenchymal Stem Cell Treatment Due to Metabolic Implications. <i>Annals of Surgery</i> , 2016, 263, 546-556.	4.2	35
132	ATP-Dependent C–F Bond Cleavage Allows the Complete Degradation of 4-Fluoroaromatics without Oxygen. <i>MBio</i> , 2016, 7, .	4.1	35
133	Comparative performance evaluation of multi-metal resistant fungal strains for simultaneous removal of multiple hazardous metals. <i>Journal of Hazardous Materials</i> , 2016, 318, 679-685.	12.4	35
134	The ABCG2 Efflux Transporter in the Mammary Gland Mediates Veterinary Drug Secretion across the Blood-Milk Barrier into Milk of Dairy Cows. <i>Drug Metabolism and Disposition</i> , 2016, 44, 700-708.	3.3	35
135	The Simplified Human Intestinal Microbiota (SIHUMix) Shows High Structural and Functional Resistance against Changing Transit Times in In Vitro Bioreactors. <i>Microorganisms</i> , 2019, 7, 641.	3.6	35
136	The effect of green Mediterranean diet on cardiometabolic risk; a randomised controlled trial. <i>Heart</i> , 2021, 107, 1054-1061.	2.9	35
137	<i>Pseudechis australis</i> Venomics: Adaptation for a Defense against Microbial Pathogens and Recruitment of Body Transferrin. <i>Journal of Proteome Research</i> , 2011, 10, 2440-2464.	3.7	34
138	Pathway and Time-Resolved Benzo[<i>a</i>]pyrene Toxicity on Hepa1c1c7 Cells at Toxic and Subtoxic Exposure. <i>Journal of Proteome Research</i> , 2015, 14, 164-182.	3.7	34
139	Critical Assessment of MetaProteome Investigation (CAMPI): a multi-laboratory comparison of established workflows. <i>Nature Communications</i> , 2021, 12, 7305.	12.8	34
140	Phylogenetic and proteomic analysis of an anaerobic toluene-degrading community. <i>Journal of Applied Microbiology</i> , 2010, 109, 1937-1945.	3.1	33
141	Impact of Vitamin B ₁₂ on Formation of the Tetrachloroethene Reductive Dehalogenase in <i>Desulfitobacterium hafniense</i> Strain Y51. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8025-8032.	3.1	33
142	Microbial interactions during residual oil and n-fatty acid metabolism by a methanogenic consortium. <i>Environmental Microbiology Reports</i> , 2012, 4, 297-306.	2.4	33
143	Chlorinated Benzenes Cause Concomitantly Oxidative Stress and Induction of Apoptotic Markers in Lung Epithelial Cells (A549) at Nonacute Toxic Concentrations. <i>Journal of Proteome Research</i> , 2011, 10, 363-378.	3.7	32
144	The LINA cohort: indoor chemical exposure, circulating eosinophil/basophil (<E>/) progenitors and early life skin manifestations. <i>Clinical and Experimental Allergy</i> , 2012, 42, 1337-1346.	2.9	32

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145	Common and phylogenetically widespread coding for peptides by bacterial small RNAs. <i>BMC Genomics</i> , 2017, 18, 553.	2.8	32
146	One-megadalton metalloenzyme complex in <i>Geobacter metallireducens</i> involved in benzene ring reduction beyond the biological redox window. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2259-2264.	7.1	32
147	Enrichment and identification of small proteins in a simplified human gut microbiome. <i>Journal of Proteomics</i> , 2020, 213, 103604.	2.4	32
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