

# Ruddy Wattiez

## List of Publications by Year in descending order

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211  
papers

8,230  
citations

50170

46  
h-index

66788

78  
g-index

214  
all docs

214  
docs citations

214  
times ranked

9812  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dehazing redox homeostasis to foster purple bacteria biotechnology. Trends in Biotechnology, 2023, 41, 106-119.	4.9	7
2	Overview and emerging trends in optical fiber aptasensing. Biosensors and Bioelectronics, 2022, 196, 113694.	5.3	38
3	Study of the Production of Poly(Hydroxybutyrate- <i>co</i> -Hydroxyhexanoate) and Poly(Hydroxybutyrate- <i>co</i> -Hydroxyvalerate- <i>co</i> -Hydroxyhexanoate) in Rhodospirillum rubrum. Applied and Environmental Microbiology, 2022, 88, AEM0158621.	1.4	5
4	Molecular mechanisms mediating stiffening in the mechanically adaptable connective tissues of sea cucumbers. Matrix Biology, 2022, 108, 39-54.	1.5	7
5	Capsular polysaccharides and exopolysaccharides from Gloeotheca verrucosa under various nitrogen regimes and their potential plant defence stimulation activity. Algal Research, 2022, 64, 102680.	2.4	5
6	From rivers to marine environments: A constantly evolving microbial community within the plastisphere. Marine Pollution Bulletin, 2022, 179, 113660.	2.3	12
7	HER2 breast cancer biomarker detection using a sandwich optical fiber assay. Talanta, 2021, 221, 121452.	2.9	85
8	Plasmonic Fiber Grating Biosensors Demodulated Through Spectral Envelopes Intersection. Journal of Lightwave Technology, 2021, 39, 7288-7295.	2.7	38
9	Degradation of Film and Rigid Bioplastics During the Thermophilic Phase and the Maturation Phase of Simulated Composting. Journal of Polymers and the Environment, 2021, 29, 3015-3028.	2.4	55
10	Lead Drives Complex Dynamics of a Conjugative Plasmid in a Bacterial Community. Frontiers in Microbiology, 2021, 12, 655903.	1.5	3
11	PfHRP2 detection using plasmonic optrodes: performance analysis. Malaria Journal, 2021, 20, 332.	0.8	10
12	Ground Demonstration of the Use of Limnospira indica for Air Revitalization in a Bioregenerative Life-Support System Setup: Effect of Non-Nitrified Urine-Derived Nitrogen Sources. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	5
13	Analysis of the Involvement of the Isoleucine Biosynthesis Pathway in Photoheterotrophic Metabolism of Rhodospirillum rubrum. Frontiers in Microbiology, 2021, 12, 731976.	1.5	7
14	Disentangling the Roles of Functional Domains in the Aggregation and Adsorption of the Multimodular Sea Star Adhesive Protein Sfp1. Marine Biotechnology, 2021, 23, 724-735.	1.1	3
15	Liquid chromatography setup-dependent artefactual methionine oxidation of peptides: The importance of an adapted quality control process. Journal of Chromatography A, 2021, 1654, 462449.	1.8	3
16	Effects of Mixing Volatile Fatty Acids as Carbon Sources on Rhodospirillum rubrum Carbon Metabolism and Redox Balance Mechanisms. Microorganisms, 2021, 9, 1996.	1.6	7
17	Microwave Atmospheric Plasma: A Versatile and Fast Way to Confer Antimicrobial Activity toward Direct Chitosan Immobilization onto Poly(lactic acid) Substrate. ACS Applied Bio Materials, 2021, 4, 7445-7455.	2.3	4
18	Microbial biofilm composition and polymer degradation of compostable and non-compostable plastics immersed in the marine environment. Journal of Hazardous Materials, 2021, 419, 126526.	6.5	48

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19	Unraveling the molecular effects of oxybenzone on the proteome of an environmentally relevant marine bacterium. <i>Science of the Total Environment</i> , 2021, 793, 148431.	3.9	7
20	Plasmonic optical fiber grating biomedical aptasensor. , 2021, , .		0
21	Diel Protein Regulation of Marine Picoplanktonic Communities Assessed by Metaproteomics. <i>Microorganisms</i> , 2021, 9, 2621.	1.6	2
22	Harvesting of <i>Arthrospira platensis</i> with helicoidal and straight trichomes using filtration and centrifugation. <i>Separation Science and Technology</i> , 2020, 55, 2381-2390.	1.3	9
23	Selection and propagation of IncP conjugative plasmids following long-term anthropogenic metal pollution in river sediments. <i>Journal of Hazardous Materials</i> , 2020, 382, 121173.	6.5	9
24	Protein structure, amino acid composition and sequence determine proteome vulnerability to oxidation-induced damage. <i>EMBO Journal</i> , 2020, 39, e104523.	3.5	34
25	Photoheterotrophic Assimilation of Valerate and Associated Polyhydroxyalkanoate Production by <i>Rhodospirillum rubrum</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	13
26	Molecular insights into the powerful mucus-based adhesion of limpets ( <i>Patella vulgata</i> L.). <i>Open Biology</i> , 2020, 10, 200019.	1.5	23
27	Metal-induced bacterial interactions promote diversity in river-sediment microbiomes. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	14
28	Sea star-inspired recombinant adhesive proteins self-assemble and adsorb on surfaces in aqueous environments to form cytocompatible coatings. <i>Acta Biomaterialia</i> , 2020, 112, 62-74.	4.1	16
29	Endophilin-A3 and Galectin-8 control the clathrin-independent endocytosis of CD166. <i>Nature Communications</i> , 2020, 11, 1457.	5.8	65
30	Rapid Detection of Circulating Breast Cancer Cells Using a Multiresonant Optical Fiber Aptasensor with Plasmonic Amplification. <i>ACS Sensors</i> , 2020, 5, 454-463.	4.0	120
31	Global Proteomic Analysis Reveals High Light Intensity Adaptation Strategies and Polyhydroxyalkanoate Production in <i>Rhodospirillum rubrum</i> Cultivated With Acetate as Carbon Source. <i>Frontiers in Microbiology</i> , 2020, 11, 464.	1.5	21
32	New perspectives on butyrate assimilation in <i>Rhodospirillum rubrum</i> S1H under photoheterotrophic conditions. <i>BMC Microbiology</i> , 2020, 20, 126.	1.3	15
33	HER2 biosensing through SPR-envelope tracking in plasmonic optical fiber gratings. <i>Biomedical Optics Express</i> , 2020, 11, 4862.	1.5	49
34	Multimodal plasmonic optical fiber grating aptasensor. <i>Optics Express</i> , 2020, 28, 7539.	1.7	28
35	Selective detection of cadmium ions using plasmonic optical fiber gratings functionalized with bacteria. <i>Optics Express</i> , 2020, 28, 19740.	1.7	50
36	Circulating cancer cell detection using an optical fiber aptasensor. , 2020, , .		1

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37	Biofunctionalization strategies for optical fiber grating immunosensors. , 2020, , .		3
38	Plasmonic Optical Fiber Grating Aptasensing. , 2020, , .		0
39	Immunoassays using tilted fiber Bragg gratings: an overview. , 2020, , .		0
40	Cpn60.1 (GroEL1) Contributes to Mycobacterial Crabtree Effect: Implications for Biofilm Formation. <i>Frontiers in Microbiology</i> , 2019, 10, 1149.	1.5	8
41	<i>Aminobacter</i> sp. MSH1 Mineralizes the Groundwater Micropollutant 2,6-Dichlorobenzamide through a Unique Chlorobenzoate Catabolic Pathway. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10146-10156.	4.6	11
42	The plastisphere in marine ecosystem hosts potential specific microbial degraders including <i>Alcanivorax borkumensis</i> as a key player for the low-density polyethylene degradation. <i>Journal of Hazardous Materials</i> , 2019, 380, 120899.	6.5	231
43	Deciphering the Functioning of Microbial Communities: Shedding Light on the Critical Steps in Metaproteomics. <i>Frontiers in Microbiology</i> , 2019, 10, 2395.	1.5	16
44	Yeast $\hat{\pm}$ -arrestin Art2 is the key regulator of ubiquitylation-dependent endocytosis of plasma membrane vitamin B1 transporters. <i>PLoS Biology</i> , 2019, 17, e3000512.	2.6	16
45	Optical Fiber Gratings Immunoassays. <i>Sensors</i> , 2019, 19, 2595.	2.1	30
46	Thioredoxins induce oocyte maturation in holothuroids (Echinodermata). <i>Aquaculture</i> , 2019, 510, 293-301.	1.7	5
47	Reprogramming of Energy Metabolism: Increased Expression and Roles of Pyruvate Carboxylase in Papillary Thyroid Cancer. <i>Thyroid</i> , 2019, 29, 845-857.	2.4	25
48	Proteomic analysis reveals novel insights into tanshinones biosynthesis in <i>Salvia miltiorrhiza</i> hairy roots. <i>Scientific Reports</i> , 2019, 9, 5768.	1.6	28
49	Detection of the Enzymatic Cleavage of DNA through Supramolecular Chiral Induction to a Cationic Polythiophene. <i>ACS Applied Bio Materials</i> , 2019, 2, 2125-2136.	2.3	10
50	In situ cancer diagnosis through online plasmonics. <i>Biosensors and Bioelectronics</i> , 2019, 131, 104-112.	5.3	68
51	Isoniazid Bactericidal Activity Involves Electron Transport Chain Perturbation. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	32
52	Functionalized gold electroless-plated optical fiber gratings for reliable surface biosensing. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 54-61.	4.0	25
53	Optical fiber gratings: hybrid gold structures for immunoassays. , 2019, , .		0
54	Long-term industrial metal contamination unexpectedly shaped diversity and activity response of sediment microbiome. <i>Journal of Hazardous Materials</i> , 2018, 344, 299-307.	6.5	86

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55	Genetic Plasticity and Ethylmalonyl Coenzyme A Pathway during Acetate Assimilation in <i>Rhodospirillum rubrum</i> S1H under Photoheterotrophic Conditions. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	24
56	I3-Ag85 effect on phthiodiolone dimycocerosate synthesis. <i>Tuberculosis</i> , 2018, 108, 93-95.	0.8	3
57	Proteogenomic Analysis of <i>Epibacterium Mobile</i> BBCC367, a Relevant Marine Bacterium Isolated From the South Pacific Ocean. <i>Frontiers in Microbiology</i> , 2018, 9, 3125.	1.5	4
58	Metabolic and Proteomic Responses to Salinity in Synthetic Nitrifying Communities of <i>Nitrosomonas</i> spp. and <i>Nitrobacter</i> spp.. <i>Frontiers in Microbiology</i> , 2018, 9, 2914.	1.5	14
59	Evaluation of gold layer configuration for plasmonic fiber grating biosensors. <i>Optics Express</i> , 2018, 26, 24154.	1.7	45
60	Embedding photosynthetic biorefineries with circular economies: Exploring the waste recycling potential of <i>Arthrospira</i> sp. to produce high quality by-products. <i>Bioresource Technology</i> , 2018, 268, 237-246.	4.8	13
61	Assessment of transient effects of alternative nitrogen sources in continuous cultures of <i>Arthrospira</i> sp. using proteomic, modeling and biochemical tools. <i>Bioresource Technology</i> , 2018, 267, 492-501.	4.8	8
62	Catabolism of the groundwater micropollutant 2,6-dichlorobenzamide beyond 2,6-dichlorobenzoate is plasmid encoded in <i>Aminobacter</i> sp. MSH1. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 7963-7979.	1.7	15
63	Cytokeratins Biosensing Using Tilted Fiber Gratings. <i>Biosensors</i> , 2018, 8, 74.	2.3	44
64	Comparative Metaproteomics to Study Environmental Changes. , 2018, , 327-363.		19
65	Proteome Analysis of Phototrophic Adaptation. , 2017, , 225-270.		1
66	Mechanical adaptability of sea cucumber Cuvierian tubules involves a mutable collagenous tissue. <i>Journal of Experimental Biology</i> , 2017, 220, 2108-2119.	0.8	7
67	The importance of pollen chemistry in evolutionary host shifts of bees. <i>Scientific Reports</i> , 2017, 7, 43058.	1.6	30
68	Field performance of six <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> antigens in a 20 h interferon gamma release assay in Belgium. <i>Veterinary Immunology and Immunopathology</i> , 2017, 189, 17-27.	0.5	8
69	Impact of different nitrogen sources on the growth of <i>Arthrospira</i> sp. PCC 8005 under batch and continuous cultivation " A biochemical, transcriptomic and proteomic profile. <i>Bioresource Technology</i> , 2017, 237, 78-88.	4.8	37
70	Production and characterization of a PEGylated derivative of recombinant human deoxyribonuclease I for cystic fibrosis therapy. <i>International Journal of Pharmaceutics</i> , 2017, 524, 159-167.	2.6	18
71	Immunosensing with Near-Infrared Plasmonic Optical Fiber Gratings. <i>Methods in Molecular Biology</i> , 2017, 1571, 47-71.	0.4	0
72	Paleomicrobiology to investigate copper resistance in bacteria: isolation and description of <i>Cupriavidus necator</i> B9 in the soil of a medieval foundry. <i>Environmental Microbiology</i> , 2017, 19, 770-787.	1.8	14

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73	A proteomic analysis of contextual fear conditioned rats reveals dynamic modifications in neuron and oligodendrocyte protein expression in the dentate gyrus. <i>European Journal of Neuroscience</i> , 2017, 46, 2177-2189.	1.2	7
74	Proteomic and Functional Analyses of the Virion Transmembrane Proteome of Cyprinid Herpesvirus 3. <i>Journal of Virology</i> , 2017, 91, .	1.5	24
75	Diet effects on bumblebee health. <i>Journal of Insect Physiology</i> , 2017, 96, 128-133.	0.9	80
76	Cancer biomarker sensing using packaged plasmonic optical fiber gratings: Towards in vivo diagnosis. <i>Biosensors and Bioelectronics</i> , 2017, 92, 449-456.	5.3	149
77	Bacterial Survival under Extreme UV Radiation: A Comparative Proteomics Study of <i>Rhodobacter</i> sp., Isolated from High Altitude Wetlands in Chile. <i>Frontiers in Microbiology</i> , 2017, 8, 1173.	1.5	66
78	Virulence and immunogenicity of genetically defined human and porcine isolates of <i>M. avium</i> subsp. <i>hominissuis</i> in an experimental mouse infection. <i>PLoS ONE</i> , 2017, 12, e0171895.	1.1	15
79	Structural Proteomics of Herpesviruses. <i>Viruses</i> , 2016, 8, 50.	1.5	18
80	Internalization of the Extracellular Full-Length Tau Inside Neuro2A and Cortical Cells Is Enhanced by Phosphorylation. <i>Biomolecules</i> , 2016, 6, 36.	1.8	10
81	Homologous Transcription Factors DUX4 and DUX4c Associate with Cytoplasmic Proteins during Muscle Differentiation. <i>PLoS ONE</i> , 2016, 11, e0146893.	1.1	26
82	Expanded insecticide catabolic activity gained by a single nucleotide substitution in a bacterial carbamate hydrolase gene. <i>Environmental Microbiology</i> , 2016, 18, 4878-4887.	1.8	23
83	Systematic Exploration of the Glycoproteome of the Beneficial Gut Isolate <i>Lactobacillus rhamnosus</i> GG. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2016, 26, 345-358.	1.0	12
84	Visible vs near-infrared optical fiber plasmonics: performance comparison for protein sensing. , 2016, , .		0
85	Effects of Lipid-Lowering Drugs on Vancomycin Susceptibility of Mycobacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6193-6199.	1.4	40
86	Nitrogen depletion in <i>Arthrospira</i> sp. PCC 8005, an ultrastructural point of view. <i>Journal of Structural Biology</i> , 2016, 196, 385-393.	1.3	17
87	Near-infrared spectral combs probe molecular interactions. , 2016, , .		0
88	Construction and phenotypic characterization of M68, an <i>RruI</i> quorum sensing knockout mutant of the photosynthetic alphaproteobacterium <i>Rhodospirillum rubrum</i> . <i>Research in Microbiology</i> , 2016, 167, 380-392.	1.0	5
89	[INVITED] Cell sensing with near-infrared plasmonic optical fiber sensors. <i>Optics and Laser Technology</i> , 2016, 78, 116-121.	2.2	23
90	Co-occurrence of integrase 1, antibiotic and heavy metal resistance genes in municipal wastewater treatment plants. <i>Water Research</i> , 2016, 94, 208-214.	5.3	397

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91	On the bioavailability of trace metals in surface sediments: a combined geochemical and biological approach. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10679-10692.	2.7	14
92	Small biomolecule immunosensing with plasmonic optical fiber grating sensor. <i>Biosensors and Bioelectronics</i> , 2016, 77, 315-322.	5.3	97
93	Trade-Off between Growth and Carbohydrate Accumulation in Nutrient-Limited <i>Arthrospira</i> sp. PCC 8005 Studied by Integrating Transcriptomic and Proteomic Approaches. <i>PLoS ONE</i> , 2015, 10, e0132461.	1.1	47
94	Temporal Gene Expression of the Cyanobacterium <i>Arthrospira</i> in Response to Gamma Rays. <i>PLoS ONE</i> , 2015, 10, e0135565.	1.1	10
95	Fiber-Optic SPR Immunosensors Tailored To Target Epithelial Cells through Membrane Receptors. <i>Analytical Chemistry</i> , 2015, 87, 5957-5965.	3.2	58
96	A novel form of ficin from <i>Ficus carica</i> latex: Purification and characterization. <i>Phytochemistry</i> , 2015, 117, 154-167.	1.4	27
97	Harvesting carbohydrate-rich <i>Arthrospira platensis</i> by spontaneous settling. <i>Bioresource Technology</i> , 2015, 180, 16-21.	4.8	42
98	Molecular investigation of the radiation resistance of edible cyanobacterium <i>Arthrospira</i> sp. PCC 8005. <i>MicrobiologyOpen</i> , 2015, 4, 187-207.	1.2	47
99	An integrated transcriptomic and proteomic analysis of sea star epidermal secretions identifies proteins involved in defense and adhesion. <i>Journal of Proteomics</i> , 2015, 128, 83-91.	1.2	66
100	Different Ancestries of R Tailocins in Rhizospheric <i>Pseudomonas</i> Isolates. <i>Genome Biology and Evolution</i> , 2015, 7, 2810-2828.	1.1	52
101	Identification of the Amidase BbdA That Initiates Biodegradation of the Groundwater Micropollutant 2,6-dichlorobenzamide (BAM) in <i>Aminobacter</i> sp. MSH1. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11703-11713.	4.6	28
102	Pollen and nectar quality drive the major and minor floral choices of bumble bees. <i>Apidologie</i> , 2015, 46, 92-106.	0.9	124
103	The long-term adaptation of bacterial communities in metal-contaminated sediments: a metaproteogenomic study. <i>Environmental Microbiology</i> , 2015, 17, 1991-2005.	1.8	64
104	Sea star tenacity mediated by a protein that fragments, then aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6317-6322.	3.3	76
105	Proteomic Study of HPV-Positive Head and Neck Cancers: Preliminary Results. <i>BioMed Research International</i> , 2014, 2014, 1-16.	0.9	9
106	Standardized protocol to evaluate pollen polypeptides as bee food source. <i>Apidologie</i> , 2014, 45, 192-204.	0.9	54
107	Bacterial metal resistance genes and metal bioavailability in contaminated sediments. <i>Environmental Pollution</i> , 2014, 189, 143-151.	3.7	123
108	The <i>Pseudomonas</i> community in metal-contaminated sediments as revealed by quantitative PCR: a link with metal bioavailability. <i>Research in Microbiology</i> , 2014, 165, 647-656.	1.0	30

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109	Instantaneous adhesion of Cuvierian tubules in the sea cucumber <i>Holothuria forskali</i> . <i>Biointerphases</i> , 2014, 9, 029016.	0.6	9
110	How Does Pollen Chemistry Impact Development and Feeding Behaviour of Polylectic Bees?. <i>PLoS ONE</i> , 2014, 9, e86209.	1.1	148
111	Genetic and metabolic analysis of the carbofuran catabolic pathway in <i>Novosphingobium</i> sp. KN65.2. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8235-8252.	1.7	55
112	Proteomic and cellular views of <i>Arthrospira</i> sp. PCC 8005 adaptation to nitrogen depletion. <i>Microbiology (United Kingdom)</i> , 2014, 160, 1224-1236.	0.7	42
113	Proteome-Wide Analysis and Diel Proteomic Profiling of the Cyanobacterium <i>Arthrospira platensis</i> PCC 8005. <i>PLoS ONE</i> , 2014, 9, e99076.	1.1	28
114	Impact of Solar Radiation on Gene Expression in Bacteria. <i>Proteomes</i> , 2013, 1, 70-86.	1.7	51
115	The IL-10 homologue encoded by cyprinid herpesvirus 3 is essential neither for viral replication in vitro nor for virulence in vivo. <i>Veterinary Research</i> , 2013, 44, 53.	1.1	38
116	Modelled microgravity cultivation modulates N-acylhomoserine lactone production in <i>Rhodospirillum rubrum</i> S1H independently of cell density. <i>Microbiology (United Kingdom)</i> , 2013, 159, 2456-2466.	0.7	26
117	A contaminant trypsin-like activity from the timothy grass pollen is responsible for the conflicting enzymatic behavior of the major allergen Phl p 1. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 272-283.	1.1	2
118	Expression of calgranulin A/B heterodimer after acute inhalation of endotoxin: proteomic approach and validation. <i>BMC Pulmonary Medicine</i> , 2013, 13, 65.	0.8	6
119	HylA, an Alternative Hydrolase for Initiation of Catabolism of the Phenylurea Herbicide Linuron in <i>Variovorax</i> sp. Strains. <i>Applied and Environmental Microbiology</i> , 2013, 79, 5258-5263.	1.4	32
120	Proteomic Characterization of Murid Herpesvirus 4 Extracellular Virions. <i>PLoS ONE</i> , 2013, 8, e83842.	1.1	22
121	Shotgun Redox Proteomics: Identification and Quantitation of Carbonylated Proteins in the UVB-Resistant Marine Bacterium, <i>Photobacterium angustum</i> S14. <i>PLoS ONE</i> , 2013, 8, e68112.	1.1	27
122	Proteomic Characterization of Bovine Herpesvirus 4 Extracellular Virions. <i>Journal of Virology</i> , 2012, 86, 11567-11580.	1.5	21
123	The Function of Oscillatory Tongue-Flicks in Snakes: Insights from Kinematics of Tongue-Flicking in the Banded Water Snake ( <i>Nerodia fasciata</i> ). <i>Chemical Senses</i> , 2012, 37, 883-896.	1.1	23
124	Purification and Characterization of the Acetone Carboxylase of <i>Cupriavidus metallidurans</i> Strain CH34. <i>Applied and Environmental Microbiology</i> , 2012, 78, 4516-4518.	1.4	15
125	Characterization of the protein fraction of the temporary adhesive secreted by the tube feet of the sea star <i>Asterias rubens</i> . <i>Biofouling</i> , 2012, 28, 289-303.	0.8	38
126	Immunogenicity of eight <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> specific antigens in DNA vaccinated and Map infected mice. <i>Veterinary Immunology and Immunopathology</i> , 2012, 145, 74-85.	0.5	17



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127	Differential proteomics and physiology of <i>Pseudomonas putida</i> KT2440 under filament-inducing conditions. <i>BMC Microbiology</i> , 2012, 12, 282.	1.3	19
128	Chemical Basis of Prey Recognition in <i>Thamnophis</i> Snakes: The Unexpected New Roles of Parvalbumins. <i>PLoS ONE</i> , 2012, 7, e39560.	1.1	13
129	Proteome Analysis of the UVB-Resistant Marine Bacterium <i>Photobacterium angustum</i> S14. <i>PLoS ONE</i> , 2012, 7, e42299.	1.1	23
130	FSHD Myotubes with Different Phenotypes Exhibit Distinct Proteomes. <i>PLoS ONE</i> , 2012, 7, e51865.	1.1	29
131	Selective and reversible thiol-pegylation, an effective approach for purification and characterization of five fully active ficin (iso)forms from <i>Ficus carica</i> latex. <i>Phytochemistry</i> , 2011, 72, 1718-1731.	1.4	34
132	Identification and localization of the structural proteins of anguillid herpesvirus 1. <i>Veterinary Research</i> , 2011, 42, 105.	1.1	24
133	Skin mucus of <i>Cyprinus carpio</i> inhibits cyprinid herpesvirus 3 binding to epidermal cells. <i>Veterinary Research</i> , 2011, 42, 92.	1.1	107
134	Characterisation of the Carbohydrate Fraction of the Temporary Adhesive Secreted by the Tube Feet of the Sea Star <i>Asterias rubens</i> . <i>Marine Biotechnology</i> , 2011, 13, 484-495.	1.1	48
135	A Novel Hydrolase Identified by Genomic-Proteomic Analysis of Phenylurea Herbicide Mineralization by <i>Variovorax</i> sp. Strain SRS16. <i>Applied and Environmental Microbiology</i> , 2011, 77, 8754-8764.	1.4	70
136	Biochemical and immunological characterization of a <i>cpn60.1</i> knockout mutant of <i>Mycobacterium bovis</i> BCG. <i>Microbiology (United Kingdom)</i> , 2011, 157, 1205-1219.	0.7	32
137	Differential proteomic analysis using isotope-coded protein labeling strategies: Comparison, improvements and application to simulated microgravity effect on <i>Cupriavidus metallidurans</i> CH34. <i>Proteomics</i> , 2010, 10, 2281-2291.	1.3	54
138	The genome of cyprinid herpesvirus 3 encodes 40 proteins incorporated in mature virions. <i>Journal of General Virology</i> , 2010, 91, 452-462.	1.3	78
139	Genome Sequence of the Edible Cyanobacterium <i>Arthrospira</i> sp. PCC 8005. <i>Journal of Bacteriology</i> , 2010, 192, 2465-2466.	1.0	41
140	Shotgun proteomics: concept, key points and data mining. <i>Expert Review of Proteomics</i> , 2010, 7, 5-7.	1.3	25
141	Proteomic study of linuron and 3,4-dichloroaniline degradation by <i>Variovorax</i> sp. WDL1: evidence for the involvement of an aniline dioxygenase-related multicomponent protein. <i>Research in Microbiology</i> , 2010, 161, 208-218.	1.0	42
142	A new method to induce oocyte maturation in holothuroids (Echinodermata). <i>Invertebrate Reproduction and Development</i> , 2009, 53, 13-21.	0.3	32
143	Use of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> specific coding sequences for serodiagnosis of bovine paratuberculosis. <i>Veterinary Microbiology</i> , 2009, 135, 313-319.	0.8	20
144	Lead(II) resistance in <i>Cupriavidus metallidurans</i> CH34: interplay between plasmid and chromosomally-located functions. <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 171-182.	0.7	81

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145	The response of <i>Cupriavidus metallidurans</i> CH34 to spaceflight in the international space station. <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 227-245.	0.7	44
146	Experimental design and environmental parameters affect <i>Rhodospirillum rubrum</i> S1H response to space flight. <i>ISME Journal</i> , 2009, 3, 1402-1419.	4.4	52
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