Hans J Vogel

List of Publications by Year
in descending order

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362 papers	26,241 citations	10389 72 h-index	8396 147 g-index
370 all docs	370 docs citations	370 times ranked	30430 citing authors

#	Article	IF	Citations
1	Simultaneous binding of the N- and C-terminal cytoplasmic domains of aquaporin 4 to calmodulin. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183837.	2.6	4
2	Early detection of treatment futility in patients with metastatic colorectal cancer. Oncotarget, 2022, 13, 61-72.	1.8	7
3	Antibiofilm activity of lactoferrin-derived synthetic peptides against Pseudomonas aeruginosa PAO1. Biochemistry and Cell Biology, 2021, 99, 138-148.	2.0	18
4	Lactoferrin extends its reach into South America. Biochemistry and Cell Biology, 2021, 99, v-vii.	2.0	2
5	Maternal and Cord Blood Metabolite Associations with Gestational Weight Gain and Pregnancy Health Outcomes. Journal of Proteome Research, 2021, 20, 1630-1638.	3.7	9
6	Harnessing the Benefits of Neuroinflammation: Generation of Macrophages/Microglia with Prominent Remyelinating Properties. Journal of Neuroscience, 2021, 41, 3366-3385.	3.6	14
7	Multimodal peripheral fluid biomarker analysis in clinically isolated syndrome and early multiple sclerosis. Multiple Sclerosis and Related Disorders, 2021, 50, 102809.	2.0	3
8	An Integrative Approach to Determine 3D Protein Structures Using Sparse Paramagnetic NMR Data and Physical Modeling. Frontiers in Molecular Biosciences, 2021, 8, 676268.	3.5	4
9	Metabolomics and Inflammatory Mediator Profiling for the Differentiation of Life-Threatening and Non-Severe Appendicitis in the Pediatric Population. Metabolites, 2021, 11, 664.	2.9	1
10	Metabolic Framework for the Improvement of Autism Spectrum Disorders by a Modified Ketogenic Diet: A Pilot Study. Journal of Proteome Research, 2020, 19, 382-390.	3.7	23
11	Caffeine-Containing Energy Shots Cause Acute Impaired Glucoregulation in Adolescents. Nutrients, 2020, 12, 3850.	4.1	7
12	Targeting Aquaporin-4 Subcellular Localization to Treat Central Nervous System Edema. Cell, 2020, 181, 784-799.e19.	28.9	271
13	Fluorine-19 NMR spectroscopy of fluorinated analogs of tritrpticin highlights a distinct role for Tyr residues in antimicrobial peptides. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183260.	2.6	9
14	Selective anticancer activity of synthetic peptides derived from the host defence peptide tritrpticin. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183228.	2.6	20
15	Antifungal and Antibiofilm Activities and the Mechanism of Action of Repeating Lysine-Tryptophan Peptides against Candida albicans. Microorganisms, 2020, 8, 758.	3.6	29
16	Rotamer Jumps, Proton Exchange, and Amine Inversion Dynamics of Dimethylated Lysine Residues in Proteins Resolved by pH-Dependent ¹H and ¹³C NMR Relaxation Dispersion. Journal of Physical Chemistry B, 2019, 123, 9742-9750.	2.6	1
17	Distinct Gut Microbiota and Serum Metabolites in Response to Weight Loss Induced by Either Dairy or Exercise in a Rodent Model of Obesity. Journal of Proteome Research, 2019, 18, 3867-3875.	3.7	12
18	Metabolic consequences of discretionary fortified beverage consumption containing excessive vitamin B levels in adolescents. PLoS ONE, 2019, 14, e0209913.	2.5	8

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19	A strategy for early detection of response to chemotherapy drugs based on treatment-related changes in the metabolome. PLoS ONE, 2019, 14, e0213942.	2.5	10
20	Metabolite Profiling of Clinical Cancer Biofluid Samples by NMR Spectroscopy. Methods in Molecular Biology, 2019, 1928, 251-274.	0.9	3
21	Metabolomic and metallomic profile differences between Veterans and Civilians with Pulmonary Sarcoidosis. Scientific Reports, 2019, 9, 19584.	3.3	13
22	Impact of dietary fiber supplementation on modulating microbiotaâ€“hostâ€“metabolic axes in obesity. Journal of Nutritional Biochemistry, 2019, 64, 228-236.	4.2	88
23	Maternal prebiotic supplementation reduces fatty liver development in offspring through altered microbial and metabolomic profiles in rats. FASEB Journal, 2019, 33, 5153-5167.	0.5	39
24	Expression and Purification of Chemokine MIP-3Î± (CCL20) through a Calmodulin-Fusion Protein System. Microorganisms, 2019, 7, 8.	3.6	9
25	Characterization of the EF-Hand Calcium-Binding Domains of Human Plastins. Methods in Molecular Biology, 2019, 1929, 245-260.	0.9	3
26	Serum Metabolomics of Activity Energy Expenditure and its Relation to Metabolic Syndrome and Obesity. Scientific Reports, 2018, 8, 3308.	3.3	37
27	The Use of Metabolomics and Inflammatory Mediator Profiling Provides a Novel Approach to Identifying Pediatric Appendicitis in the Emergency Department. Scientific Reports, 2018, 8, 4083.	3.3	11
28	A quantitative multimodal metabolomic assay for colorectal cancer. BMC Cancer, 2018, 18, 26.	2.6	28
29	Calmodulin as a protein linker and a regulator of adaptor/scaffold proteins. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 507-521.	4.1	72
30	Potential Impact of Metabolic and Gut Microbial Response to Pregnancy and Lactation in Lean and Dietâ€Induced Obese Rats on Offspring Obesity Risk. Molecular Nutrition and Food Research, 2018, 62, 1700820.	3.3	24
31	Biomarker Phenotype for Early Diagnosis and Triage of Sepsis to the Pediatric Intensive Care Unit. Scientific Reports, 2018, 8, 16606.	3.3	12
32	Sarcopenia and myosteatosis are accompanied by distinct biological profiles in patients with pancreatic and periampullary adenocarcinomas. PLoS ONE, 2018, 13, e0196235.	2.5	97
33	Improving the Activity of Trp-Rich Antimicrobial Peptides by Arg/Lys Substitutions and Changing the Length of Cationic Residues. Biomolecules, 2018, 8, 19.	4.0	85
34	Metabolomic and inflammatory mediator based biomarker profiling as a potential novel method to aid pediatric appendicitis identification. PLoS ONE, 2018, 13, e0193563.	2.5	19
35	Characterization of Antimicrobial and Host-Defense Peptides by NMR Spectroscopy. , 2018, , 2055-2079.		0
36	The Calcium-Dependent Switch Helix of L-Plastin Regulates Actin Bundling. Scientific Reports, 2017, 7, 40662.	3.3	35

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37	Detection of adulteration in Iranian saffron samples by 1H NMR spectroscopy and multivariate data analysis techniques. Metabolomics, 2017, 13, 1.	3.0	36
38	Structural and dynamic characterization of a freestanding acyl carrier protein involved in the biosynthesis of cyclic lipopeptide antibiotics. Protein Science, 2017, 26, 946-959.	7.6	4
39	Lactoferrin researchers descend on Nagoya Castle. Biochemistry and Cell Biology, 2017, 95, 1-4.	2.0	3
40	Plasma metabolomics for the diagnosis and prognosis of H1N1 influenza pneumonia. Critical Care, 2017, 21, 97.	5.8	59
41	Genetic characterization of physical activity behaviours in university students enrolled in kinesiology degree programs. Applied Physiology, Nutrition and Metabolism, 2017, 42, 278-284.	1.9	5
42	Fluorescence and Absorbance Spectroscopy Methods to Study Membrane Perturbations by Antimicrobial Host Defense Peptides. Methods in Molecular Biology, 2017, 1548, 141-157.	0.9	7
43	Calorimetry Methods to Study Membrane Interactions and Perturbations Induced by Antimicrobial Host Defense Peptides. Methods in Molecular Biology, 2017, 1548, 119-140.	0.9	6
44	High Aerobic Capacity Mitigates Changes in the Plasma Metabolomic Profile Associated with Aging. Journal of Proteome Research, 2017, 16, 798-805.	3.7	7
45	Ligand binding specificity of the Escherichia coli periplasmic histidine binding protein, HisJ. Protein Science, 2017, 26, 268-279.	7.6	20
46	Binding of smoothelin-like 1 to tropomyosin and calmodulin is mutually exclusive and regulated by phosphorylation. BMC Biochemistry, 2017, 18, 5.	4.4	3
47	Anticancer activities of bovine and human lactoferricin-derived peptides. Biochemistry and Cell Biology, 2017, 95, 91-98.	2.0	70
48	Urine and Serum Metabolomics Analyses May Distinguish between Stages of Renal Cell Carcinoma. Metabolites, 2017, 7, 6.	2.9	45
49	Distinguishing Benign from Malignant Pancreatic and Periampullary Lesions Using Combined Use of 1H-NMR Spectroscopy and Gas Chromatographyâ€“Mass Spectrometry. Metabolites, 2017, 7, 3.	2.9	14
50	Laminar flow downregulates Notch activity to promote lymphatic sprouting. Journal of Clinical Investigation, 2017, 127, 1225-1240.	8.2	113
51	Characterization of Antimicrobial and Host-Defense Peptides by NMR Spectroscopy. , 2017, , 1-25.		0
52	Biophysical characterization of monofilm model systems composed of selected tear film phospholipids. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 403-414.	2.6	18
53	Characterization and prediction of the mechanism of action of antibiotics through NMR metabolomics. BMC Microbiology, 2016, 16, 82.	3.3	91
54	Overexpression of Antimicrobial, Anticancer, and Transmembrane Peptides in Escherichia coli through a Calmodulin-Peptide Fusion System. Journal of the American Chemical Society, 2016, 138, 11318-11326.	13.7	67

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55	A validated metabolomic signature for colorectal cancer: exploration of the clinical value of metabolomics. British Journal of Cancer, 2016, 115, 848-857.	6.4	108
56	A quantitative metabolomics profiling approach for the noninvasive assessment of liver histology in patients with chronic hepatitis C. Clinical and Translational Medicine, 2016, 5, 33.	4.0	18
57	Staphylokinase has distinct modes of interaction with antimicrobial peptides, modulating its plasminogen-activation properties. Scientific Reports, 2016, 6, 31817.	3.3	21
58	Diet-induced changes in maternal gut microbiota and metabolomic profiles influence programming of offspring obesity risk in rats. Scientific Reports, 2016, 6, 20683.	3.3	175
59	Serum Metabolite Profiles Are Altered by Erlotinib Treatment and the Integrin Î±1-Null Genotype but Not by Post-Traumatic Osteoarthritis. Journal of Proteome Research, 2016, 15, 815-825.	3.7	7
60	Metabolomic Modeling To Monitor Host Responsiveness to Gut Microbiota Manipulation in the BTBR^{T+tf/j} Mouse. Journal of Proteome Research, 2016, 15, 1143-1150.	3.7	43
61	Bacterial ferrous iron transport: the Feo system. FEMS Microbiology Reviews, 2016, 40, 273-298.	8.6	301
62	Recombinant expression, antimicrobial activity and mechanism of action of tritrpticin analogs containing fluoro-tryptophan residues. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1012-1023.	2.6	15
63	FecB, a periplasmic ferric-citrate transporter from E. coli, can bind different forms of ferric-citrate as well as a wide variety of metal-free and metal-loaded tricarboxylic acids. Metallomics, 2016, 8, 125-133.	2.4	36
64	Metabolic analysis of knee synovial fluid as a potential diagnostic approach for osteoarthritis. Journal of Orthopaedic Research, 2015, 33, 1631-1638.	2.3	80
65	Development of metabolic and inflammatory mediator biomarker phenotyping for early diagnosis and triage of pediatric sepsis. Critical Care, 2015, 19, 320.	5.8	41
66	The authors reply. Critical Care Medicine, 2015, 43, e593.	0.9	0
67	Metabolic profile of plasma before and after induction of an isolated intra-articular bone injury in the rabbit knee: Potential to characterize the onset of osteoarthritis?. Biomedical Spectroscopy and Imaging, 2015, 4, 359-371.	1.2	0
68	Potential of metabolomics to reveal Burkholderia cepacia complex pathogenesis and antibiotic resistance. Frontiers in Microbiology, 2015, 6, 668.	3.5	20
69	The ACTN3 R577X Polymorphism Is Associated with Cardiometabolic Fitness in Healthy Young Adults. PLoS ONE, 2015, 10, e0130644.	2.5	30
70	Pregnancy Hyperglycemia in Prolactin Receptor Mutant, but Not Prolactin Mutant, Mice and Feeding-Responsive Regulation of Placental Lactogen Genes Implies Placental Control of Maternal Glucose Homeostasis1. Biology of Reproduction, 2015, 93, 75.	2.7	25
71	Integration of metabolic and inflammatory mediator profiles as a potential prognostic approach for septic shock in the intensive care unit. Critical Care, 2015, 19, 11.	5.8	79
72	Protecting Gram-negative bacterial cell envelopes from human lysozyme: Interactions with Ivy inhibitor proteins from Escherichia coli and Pseudomonas aeruginosa. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 3032-3046.	2.6	13

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73	The Breast Cancer to Bone (B2B) Metastases Research Program: a multi-disciplinary investigation of bone metastases from breast cancer. BMC Cancer, 2015, 15, 512.	2.6	23
74	Metabolic profiling of synovial fluid in a unilateral ovine model of anterior cruciate ligament reconstruction of the knee suggests biomarkers for early osteoarthritis. Journal of Orthopaedic Research, 2015, 33, 71-77.	2.3	55
75	Hydroxy-tryptophan containing derivatives of tritrpticin: Modification of antimicrobial activity and membrane interactions. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 277-288.	2.6	23
76	Position-Dependent Influence of the Three Trp Residues on the Membrane Activity of the Antimicrobial Peptide, Tritrpticin. Antibiotics, 2014, 3, 595-616.	3.7	23
77	Metabolic Profiling of Serum Samples by 1H Nuclear Magnetic Resonance Spectroscopy as a Potential Diagnostic Approach for Septic Shock*. Critical Care Medicine, 2014, 42, 1140-1149.	0.9	91
78	Chronic coffee consumption in the diet-induced obese rat: impact on gut microbiota and serum metabolomics. Journal of Nutritional Biochemistry, 2014, 25, 489-495.	4.2	120
79	Metabolic changes associated with selenium deficiency in mice. BioMetals, 2014, 27, 1137-1147.	4.1	12
80	Metabolomics Reveals the Sex-Specific Effects of the SORT1 Low-Density Lipoprotein Cholesterol Locus in Healthy Young Adults. Journal of Proteome Research, 2014, 13, 5063-5070.	3.7	12
81	The periplasmic domain of Escherichia coli outer membrane protein A can undergo a localized temperature dependent structural transition. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 3014-3024.	2.6	39
82	Bovine and human lactoferricin peptides: chimeras and new cyclic analogs. BioMetals, 2014, 27, 935-948.	4.1	25
83	Evaluation of yellow pea fibre supplementation on weight loss and the gut microbiota: a randomized controlled trial. BMC Gastroenterology, 2014, 14, 69.	2.0	11
84	The Solution Structure, Binding Properties, and Dynamics of the Bacterial Siderophore-binding Protein FepB. Journal of Biological Chemistry, 2014, 289, 29219-29234.	3.4	29
85	Two domains of the smoothelin-like 1 protein bind apo- and calciumâ€“calmodulin independently. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1580-1590.	2.3	7
86	Low-Dose Aspartame Consumption Differentially Affects Gut Microbiota-Host Metabolic Interactions in the Diet-Induced Obese Rat. PLoS ONE, 2014, 9, e109841.	2.5	240
87	Metabolomic Profiling in Cattle Experimentally Infected with Mycobacterium avium subsp. paratuberculosis. PLoS ONE, 2014, 9, e111872.	2.5	49
88	Mechanism of action of puroindoline derived tryptophan-rich antimicrobial peptides. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1802-1813.	2.6	95
89	Protein conformational exchange measured by 1H R1Ï•relaxation dispersion of methyl groups. Journal of Biomolecular NMR, 2013, 57, 47-55.	2.8	19
90	Comparing the Calcium Binding Abilities of Two Soybean Calmodulins: Towards Understanding the Divergent Nature of Plant Calmodulins. Plant Cell, 2013, 25, 4512-4524.	6.6	30

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91	Metabolomics. Current Opinion in Gastroenterology, 2013, 29, 378-383.	2.3	48
92	Solution Structure of Escherichia coli FeoA and Its Potential Role in Bacterial Ferrous Iron Transport. Journal of Bacteriology, 2013, 195, 46-55.	2.2	50
93	Metabolomics as a Novel Approach for Early Diagnosis of Pediatric Septic Shock and Its Mortality. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 967-976.	5.6	159
94	Role of the Two Structural Domains from the Periplasmic Escherichia coli Histidine-binding Protein HisJ. Journal of Biological Chemistry, 2013, 288, 31409-31422.	3.4	28
95	Structural Analysis of a Calmodulin Variant from Rice. Journal of Biological Chemistry, 2013, 288, 32036-32049.	3.4	3
96	The Future of NMR Metabolomics in Cancer Therapy: Towards Personalizing Treatment and Developing Targeted Drugs?. Metabolites, 2013, 3, 373-396.	2.9	41
97	Purification and Stable Isotope Labeling of the Calcium- and Integrin-Binding Protein 1 for Structural and Functional NMR Studies. Methods in Molecular Biology, 2013, 963, 99-113.	0.9	2
98	Structureâ€“Function Relationships of Antimicrobial Chemokines. , 2013, , 183-218.		2
99	Relative Spatial Positions of Tryptophan and Cationic Residues in Helical Membrane-active Peptides Determine Their Cytotoxicity. Journal of Biological Chemistry, 2012, 287, 233-244.	3.4	47
100	Structural Insights into Calmodulin-regulated L-selectin Ectodomain Shedding. Journal of Biological Chemistry, 2012, 287, 26513-26527.	3.4	23
101	Structural perspectives on antimicrobial chemokines. Frontiers in Immunology, 2012, 3, 384.	4.8	35
102	Influence of specific amino acid side-chains on the antimicrobial activity and structure of bovine lactoferrampin¹This article is part of Special Issue entitled Lactoferrin and has undergone the Journalâ€™s usual peer review process.. Biochemistry and Cell Biology, 2012, 90, 362-377.	2.0	14
103	Lactoferrin, a birdâ€™s eye view. Biochemistry and Cell Biology, 2012, 90, 233-244.	2.0	216
104	Intrinsically Disordered N-Terminus of Calponin Homology-Associated Smooth Muscle Protein (CHASM) Interacts with the Calponin Homology Domain to Enable Tropomyosin Binding. Biochemistry, 2012, 51, 2694-2705.	2.5	10
105	Specific ¹²C^{Î²}D₂¹²C^{Î³}D₂S¹³C^{Îµ}HD Isotopomer Labeling of Methionine To Characterize Protein Dynamics by ¹H and ¹³C NMR Relaxation Dispersion. Journal of the American Chemical Society, 2012, 134, 18562-18565.	13.7	25
106	Structural Basis for the Activation of Platelet Integrin Î±IIbÎ²3 by Calcium- and Integrin-Binding Protein 1. Journal of the American Chemical Society, 2012, 134, 3864-3872.	13.7	23
107	Quantitative Metabolomic Profiling of Serum, Plasma, and Urine by ¹H NMR Spectroscopy Discriminates between Patients with Inflammatory Bowel Disease and Healthy Individuals. Journal of Proteome Research, 2012, 11, 3344-3357.	3.7	200
108	Satiety Hormone and Metabolomic Response to an Intermittent High Energy Diet Differs in Rats Consuming Long-Term Diets High in Protein or Prebiotic Fiber. Journal of Proteome Research, 2012, 11, 4065-4074.	3.7	50

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109	Structural and biophysical characterization of an antimicrobial peptide chimera comprised of lactoferricin and lactoferrampin. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 762-775.	2.6	53
110	Improved anticancer potency by headâ€toâ€tail cyclization of short cationic anticancer peptides containing a lipophilic Î²^{2,2}â€amino acid. Journal of Peptide Science, 2012, 18, 609-619.	1.4	31
111	Biophysical and structural studies of the human calcium- and integrin-binding protein family: understanding their functional similarities and differences. Biochemistry and Cell Biology, 2012, 90, 646-656.	2.0	20
112	Serum metabolomic profile as a means to distinguish stage of colorectal cancer. Genome Medicine, 2012, 4, 42.	8.2	97
113	Structural basis for the regulation of L-type voltage-gated calcium channels: interactions between the N-terminal cytoplasmic domain and Ca2+-calmodulin. Frontiers in Molecular Neuroscience, 2012, 5, 38.	2.9	50
114	Design of a novel tryptophan-rich membrane-active antimicrobial peptide from the membrane-proximal region of the HIV glycoprotein, gp41. Beilstein Journal of Organic Chemistry, 2012, 8, 1172-1184.	2.2	22
115	Gram-negative and Gram-Positive Bacterial Infections Give Rise to a Different Metabolic Response in a Mouse Model. Journal of Proteome Research, 2012, 11, 3231-3245.	3.7	59
116	Structural Characterization of the Interaction of Human Lactoferrin with Calmodulin. PLoS ONE, 2012, 7, e51026.	2.5	21
117	Quadrupolar central transition (QCT) and 13C NMR competition studies of metal ion binding to ovotransferrin. Canadian Journal of Chemistry, 2011, 89, 779-788.	1.1	5
118	Metabolomic response to exercise training in lean and diet-induced obese mice. Journal of Applied Physiology, 2011, 110, 1311-1318.	2.5	48
119	Feasibility of Identifying Pancreatic Cancer Based on Serum Metabolomics. Cancer Epidemiology Biomarkers and Prevention, 2011, 20, 140-147.	2.5	144
120	Differences in Metabolism between the Biofilm and Planktonic Response to Metal Stress. Journal of Proteome Research, 2011, 10, 3190-3199.	3.7	136
121	Investigating the cationic side chains of the antimicrobial peptide tritrpticin: Hydrogen bonding properties govern its membrane-disruptive activities. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2297-2303.	2.6	55
122	Towards understanding the Tat translocation mechanism through structural and biophysical studies of the amphipathic region of TatA from Escherichia coli. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2289-2296.	2.6	14
123	TonB or not TonB: is that the question?This paper is one of a selection of papers published in a Special Issue entitled CSBMCB 53rd Annual Meeting â€" Membrane Proteins in Health and Disease, and has undergone the Journalâ€™s usual peer review process.. Biochemistry and Cell Biology, 2011, 89, 87-97.	2.0	174
124	The expanding scope of antimicrobial peptide structures and their modes of action. Trends in Biotechnology, 2011, 29, 464-472.	9.3	1,255
125	Sortase A as a tool for highâ€yield histatin cyclization. FASEB Journal, 2011, 25, 2650-2658.	0.5	83
126	Metabolic profiling of vitamin C deficiency in Guloâ˜'/â˜' mice using proton NMR spectroscopy. Journal of Biomolecular NMR, 2011, 49, 165-173.	2.8	11

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127	Fast methionine-based solution structure determination of calcium-calmodulin complexes. Journal of Biomolecular NMR, 2011, 50, 71-81.	2.8	30
128	Cyclic Tritrpticin Analogs with Distinct Biological Activities. Probiotics and Antimicrobial Proteins, 2011, 3, 132-143.	3.9	6
129	Exploring Platelet Chemokine Antimicrobial Activity: Nuclear Magnetic Resonance Backbone Dynamics of NAP-2 and TC-1. Antimicrobial Agents and Chemotherapy, 2011, 55, 2074-2083.	3.2	20
130	Native Thrombocidin-1 and Unfolded Thrombocidin-1 Exert Antimicrobial Activity via Distinct Structural Elements. Journal of Biological Chemistry, 2011, 286, 43506-43514.	3.4	34
131	A structural and functional analysis of type III periplasmic and substrate binding proteins: their role in bacterial siderophore and heme transport. Biological Chemistry, 2011, 392, 39-52.	2.5	58
132	Solution Structures of Ca2+-CIB1 and Mg2+-CIB1 and Their Interactions with the Platelet Integrin Î±IIb Cytoplasmic Domain. Journal of Biological Chemistry, 2011, 286, 17181-17192.	3.4	19
133	An NMR Metabolomics Study of Elk Inoculated with Chronic Wasting Disease. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2011, 74, 1476-1492.	2.3	8
134	Molecular Dynamics Simulations of Î²-Ketoacyl-, Î²-Hydroxyacyl-, andtrans-2-Enoyl-Acyl Carrier Proteins ofEscherichia coli. Biochemistry, 2010, 49, 2860-2868.	2.5	11
135	Siderophore uptake in bacteria and the battle for iron with the host; a birdâ€™s eye view. BioMetals, 2010, 23, 601-611.	4.1	294
136	Tropomyosinâ€binding properties of the CHASM protein are dependent upon its calponin homology domain. FEBS Letters, 2010, 584, 3311-3316.	2.8	10
137	Induction of non-lamellar lipid phases by antimicrobial peptides: a potential link to mode of action. Chemistry and Physics of Lipids, 2010, 163, 82-93.	3.2	102
138	The solution structure of the Mg²⁺ form of soybean calmodulin isoform 4 reveals unique features of plant calmodulins in resting cells. Protein Science, 2010, 19, 475-485.	7.6	14
139	Phenotypic and metabolic profiling of colony morphology variants evolved from Pseudomonas fluorescens biofilms. Environmental Microbiology, 2010, 12, 1565-1577.	3.8	53
140	NMR Solution Structure and Biophysical Characterization of Vibrio harveyi Acyl Carrier Protein A75H. Journal of Biological Chemistry, 2010, 285, 30558-30566.	3.4	16
141	The Solution Structure of a Plant Calmodulin and the CaM-binding Domain of the Vacuolar Calcium-ATPase BCA1 Reveals a New Binding and Activation Mechanism. Journal of Biological Chemistry, 2010, 285, 38502-38510.	3.4	28
142	Quantitative Metabolomic Profiling of Serum and Urine in DSS-Induced Ulcerative Colitis of Mice by ¹H NMR Spectroscopy. Journal of Proteome Research, 2010, 9, 6265-6273.	3.7	87
143	Structureâ€“function studies of chemokine-derived carboxy-terminal antimicrobial peptides. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 1062-1072.	2.6	28
144	Comprehensive and Cost-Effective NMR Spectroscopy of Methyl Groups in Large Proteins. Journal of the American Chemical Society, 2010, 132, 2952-2960.	13.7	63

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145	Current understanding of fatty acid biosynthesis and the acyl carrier protein. Biochemical Journal, 2010, 430, 1-19.	3.7	275
146	Serum Stabilities of Short Tryptophan- and Arginine-Rich Antimicrobial Peptide Analogs. PLoS ONE, 2010, 5, e12684.	2.5	276
147	A Novel Extracytoplasmic Function (ECF) Sigma Factor Regulates Virulence in Pseudomonas aeruginosa. PLoS Pathogens, 2009, 5, e1000572.	4.7	77
148	Structural Studies of Soybean Calmodulin Isoform 4 Bound to the Calmodulin-binding Domain of Tobacco Mitogen-activated Protein Kinase Phosphatase-1 Provide Insights into a Sequential Target Binding Mode. Journal of Biological Chemistry, 2009, 284, 28292-28305.	3.4	17
149	Metabolic footprinting study of white spruce somatic embryogenesis using NMR spectroscopy. Plant Physiology and Biochemistry, 2009, 47, 343-350.	5.8	29
150	Can copper binding to the prion protein generate a misfolded form of the protein?. BioMetals, 2009, 22, 159-175.	4.1	21
151	Quantitative analysis of metabolite concentrations in human urine samples using 13C{1H} NMR spectroscopy. Metabolomics, 2009, 5, 307-317.	3.0	48
152	Auxiliary Ca²⁺ binding sites can influence the structure of CIB1. Protein Science, 2009, 18, 1128-1134.	7.6	8
153	HMDB: a knowledgebase for the human metabolome. Nucleic Acids Research, 2009, 37, D603-D610.	14.5	1,649
154	Novel lactoferrampin antimicrobial peptides derived from human lactoferrin. Biochimie, 2009, 91, 141-154.	2.6	71
155	Solution NMR studies of amphibian antimicrobial peptides: Linking structure to function?. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1639-1655.	2.6	140
156	Thermodynamic characterization of the interactions between the immunoregulatory proteins osteopontin and lactoferrin. Molecular Immunology, 2009, 46, 2395-2402.	2.2	50
157	Thermodynamic Effects of Noncoded and Coded Methionine Substitutions in Calmodulin. Biophysical Journal, 2009, 96, 1495-1507.	0.5	26
158	Quality Assessment of Ginseng by ¹H NMR Metabolite Fingerprinting and Profiling Analysis. Journal of Agricultural and Food Chemistry, 2009, 57, 7513-7522.	5.2	101
159	Calcium- and magnesium-dependent interactions between calcium- and integrin-binding protein and the integrin Î±IIb cytoplasmic domain. Protein Science, 2009, 14, 1429-1437.	7.6	42
160	Chapter 1 NMR of Antimicrobial Peptides. Annual Reports on NMR Spectroscopy, 2009, 65, 1-51.	1.5	21
161	Metabolomic Investigation of the Bacterial Response to a Metal Challenge. Applied and Environmental Microbiology, 2009, 75, 719-728.	3.1	110
162	A Potential Mechanism for Cu²⁺Reduction, Î²-Cleavage, and Î²-Sheet Initiation Within The N-Terminal Domain of the Prion Protein: Insights from Density Functional Theory and Molecular Dynamics Calculations. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2009, 72, 1040-1059.	2.3	17

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