

# Petr Novak

## List of Publications by Year in descending order

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166  
papers

5,186  
citations

126858

33  
h-index

123376

61  
g-index

171  
all docs

171  
docs citations

171  
times ranked

7693  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Early-onset pulmonary and cutaneous vasculitis driven by constitutively active SRC-family kinase HCK. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1464-1472.e3.   | 1.5 | 10        |
| 2  | Hydroxyl radical footprinting analysis of a human haptoglobin-hemoglobin complex. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2022, 1870, 140735.   | 1.1 | 8         |
| 3  | In Vitro Evolution Reveals Noncationic Proteinâ€“RNA Interaction Mediated by Metal Ions. <i>Molecular Biology and Evolution</i> , 2022, 39, .  | 3.5 | 13        |
| 4  | Utilization of Fast Photochemical Oxidation of Proteins and Both Bottom-up and Top-down Mass Spectrometry for Structural Characterization of a Transcription Factorâ€“dsDNA Complex. <i>Analytical Chemistry</i> , 2022, 94, 3203-3210.        | 3.2 | 10        |
| 5  | Top-Down Detection of Oxidative Protein Footprinting by Collision-Induced Dissociation, Electron-Transfer Dissociation, and Electron-Capture Dissociation. <i>Analytical Chemistry</i> , 2022, 94, 9993-10002.                                 | 3.2 | 8         |
| 6  | Motif orientation matters: Structural characterization of TEAD1 recognition of genomic DNA. <i>Structure</i> , 2021, 29, 345-356.e8.   | 1.6 | 2         |
| 7  | Impact of parasitic lifestyle and different types of centromere organization on chromosome and genome evolution in the plant genus <i>Cuscuta</i> . <i>New Phytologist</i> , 2021, 229, 2365-2377.   | 3.5 | 22        |
| 8  | Complex sequence organization of heterochromatin in the holocentric plant <i>Cuscuta europaea</i> elucidated by the computational analysis of nanopore reads. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2179-2189. | 1.9 | 9         |
| 9  | SAP domain forms a flexible part of DNA aperture in Ku70/80. <i>FEBS Journal</i> , 2021, 288, 4382-4393.   | 2.2 | 13        |
| 10 | Early modification of cytochrome c by hydrogen peroxide triggers its fast degradation. <i>International Journal of Biological Macromolecules</i> , 2021, 174, 413-423.   | 3.6 | 7         |
| 11 | LinX: A Software Tool for Uncommon Cross-Linking Chemistry. <i>Journal of Proteome Research</i> , 2021, 20, 2021-2027.   | 1.8 | 5         |
| 12 | Benefits of Ion Mobility Separation and Parallel Accumulationâ€“Serial Fragmentation Technology on timsTOF Pro for the Needs of Fast Photochemical Oxidation of Protein Analysis. <i>ACS Omega</i> , 2021, 6, 10352-10361.                     | 1.6 | 18        |
| 13 | Molecular Interactions Driving Intermediate Filament Assembly. <i>Cells</i> , 2021, 10, 2457.  | 1.8 | 22        |
| 14 | Chitinase Chit62J4 Essential for Chitin Processing by Human Microbiome Bacterium <i>Clostridium paraputrificum</i> J4. <i>Molecules</i> , 2021, 26, 5978.  | 1.7 | 5         |
| 15 | Studying Proteinâ€“DNA Interactions by Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2021, 2247, 193-219.   | 0.4 | 6         |
| 16 | Fast Fluoroalkylation of Proteins Uncovers the Structure and Dynamics of Biological Macromolecules. <i>Journal of the American Chemical Society</i> , 2021, 143, 20670-20679.  | 6.6 | 13        |
| 17 | Characterization of repeat arrays in ultraâ€“long nanopore reads reveals frequent origin of satellite DNA from retrotransposonâ€“derived tandem repeats. <i>Plant Journal</i> , 2020, 101, 484-500.  | 2.8 | 76        |
| 18 | Bacteriocin ASM1 is an O / S â€“diglycosylated, plasmidâ€“encoded homologue of glycocin F. <i>FEBS Letters</i> , 2020, 594, 1196-1206.   | 1.3 | 10        |

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|----|---|-----|-----------|
| 19 | Repeat-sequence turnover shifts fundamentally in species with large genomes. <i>Nature Plants</i> , 2020, 6, 1325-1329.   | 4.7 | 87        |
| 20 | Molecular Mechanism of LEDGF/p75 Dimerization. <i>Structure</i> , 2020, 28, 1288-1299.e7.   | 1.6 | 4         |
| 21 | Global analysis of repetitive DNA from unassembled sequence reads using RepeatExplorer2. <i>Nature Protocols</i> , 2020, 15, 3745-3776.   | 5.5 | 144       |
| 22 | Three-Dimensional Printed Target Plates for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 12783-12788.   | 3.2 | 3         |
| 23 | Chromosome-scale genome assembly for the duckweed <i>Spirodela intermedia</i> , integrating cytogenetic maps, PacBio and Oxford Nanopore libraries. <i>Scientific Reports</i> , 2020, 10, 19230.          | 1.6 | 23        |
| 24 | Targeting ERK-Hippo Interplay in Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3236.   | 1.8 | 17        |
| 25 | Photoinduced damage of AsLOV2 domain is accompanied by increased singlet oxygen production due to flavin dissociation. <i>Scientific Reports</i> , 2020, 10, 4119.  | 1.6 | 10        |
| 26 | Addressing the Molecular Mechanism of Longitudinal Lamin Assembly Using Chimeric Fusions. <i>Cells</i> , 2020, 9, 1633.   | 1.8 | 10        |
| 27 | Influence of cross-linker polarity on selectivity towards lysine side chains. <i>Journal of Proteomics</i> , 2020, 218, 103716.   | 1.2 | 5         |
| 28 | Extraordinary Sequence Diversity and Promiscuity of Centromeric Satellites in the Legume Tribe Fabaeae. <i>Molecular Biology and Evolution</i> , 2020, 37, 2341-2356.                                     | 3.5 | 42        |
| 29 | Differential Genome Size and Repetitive DNA Evolution in Diploid Species of <i>Melampodium</i> sect. <i>Melampodium</i> (Asteraceae). <i>Frontiers in Plant Science</i> , 2020, 11, 362.                  | 1.7 | 37        |
| 30 | Binding of eIF3 in complex with eIF5 and eIF1 to the 40S ribosomal subunit is accompanied by dramatic structural changes. <i>Nucleic Acids Research</i> , 2019, 47, 8282-8300.                            | 6.5 | 20        |
| 31 | Ergochromes: Heretofore Neglected Side of Ergot Toxicity. <i>Toxins</i> , 2019, 11, 439.  | 1.5 | 11        |
| 32 | Reductant-Induced Free Radical Fluoroalkylation of Nitrogen Heterocycles and Innate Aromatic Amino Acid Residues in Peptides and Proteins. <i>Chemistry - A European Journal</i> , 2019, 25, 15779-15785. | 1.7 | 23        |
| 33 | A reference genome for pea provides insight into legume genome evolution. <i>Nature Genetics</i> , 2019, 51, 1411-1422.   | 9.4 | 363       |
| 34 | MS-Based Approaches Enable the Structural Characterization of Transcription Factor/DNA Response Element Complex. <i>Biomolecules</i> , 2019, 9, 535.  | 1.8 | 9         |
| 35 | The Dark Matter of Large Cereal Genomes: Long Tandem Repeats. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2483.  | 1.8 | 19        |
| 36 | Oligomeric Architecture of Mouse Activating Nkrp1 Receptors on Living Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1884.   | 1.8 | 11        |

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|----|--|-----|-----------|
| 37 | Genome invasion by a hypomethylated satellite repeat in Australian crucifer <i>Ballantinia antipoda</i> . <i>Plant Journal</i> , 2019, 99, 1066-1079.  | 2.8 | 3         |
| 38 | First Community-Wide, Comparative Cross-Linking Mass Spectrometry Study. <i>Analytical Chemistry</i> , 2019, 91, 6953-6961.  | 3.2 | 100       |
| 39 | Nondisjunction and unequal spindle organization accompany the drive of <i>Aegilops speltoides</i> B chromosomes. <i>New Phytologist</i> , 2019, 223, 1340-1352.  | 3.5 | 26        |
| 40 | The MEK-ERK-MST1 Axis Potentiates the Activation of the Extrinsic Apoptotic Pathway during GDC-0941 Treatment in Jurkat T Cells. <i>Cells</i> , 2019, 8, 191.  | 1.8 | 8         |
| 41 | Proteases Immobilization for In Situ Time-Limited Proteolysis on MALDI Chips. <i>Catalysts</i> , 2019, 9, 833.   | 1.6 | 2         |
| 42 | The C-type lectin-like receptor Nkrp1b: Structural proteomics reveals features affecting protein conformation and interactions. <i>Journal of Proteomics</i> , 2019, 196, 162-172.   | 1.2 | 4         |
| 43 | Thiopurine intolerance-causing mutations in NUDT15 induce temperature-dependent destabilization of the catalytic site. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 376-381.                             | 1.1 | 10        |
| 44 | Evolutionary history of ergot with a new infrageneric classification (Hypocreales: Clavicipitaceae: Tj ETQq0 0 0 rgBT JOverlock 10 Tf 50   | 1.2 | 39        |
| 45 | Relapsed acute lymphoblastic leukemia-specific mutations in NT5C2 cluster into hotspots driving intersubunit stimulation. <i>Leukemia</i> , 2018, 32, 1393-1403.   | 3.3 | 27        |
| 46 | Dating the Species Network: Allopolyploidy and Repetitive DNA Evolution in American Daisies ( <i>Melampodium</i> sect. <i>Melampodium</i> , Asteraceae). <i>Systematic Biology</i> , 2018, 67, 1010-1024.                                | 2.7 | 54        |
| 47 | Impact of Chemical Cross-Linking on Protein Structure and Function. <i>Analytical Chemistry</i> , 2018, 90, 1104-1113.   | 3.2 | 44        |
| 48 | Crystal structure of native <i>N</i> -acetylhexosaminidase isolated from <i>Aspergillus Oryzae</i> sheds light onto its substrate specificity, high stability, and regulation by propeptide. <i>FEBS Journal</i> , 2018, 285, 580-598.   | 2.2 | 12        |
| 49 | Detection and Quantification of Carbohydrate-Deficient Transferrin by MALDI-Compatible Protein Chips Prepared by Ambient Ion Soft Landing. <i>Clinical Chemistry</i> , 2018, 64, 1319-1326.  | 1.5 | 14        |
| 50 | Affinity switching of the LEDGF/p75 IBD interactome is governed by kinase-dependent phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7053-E7062.                    | 3.3 | 27        |
| 51 | Structural basis of the interaction between the putative adhesion-involved and iron-regulated FrpD and FrpC proteins of <i>Neisseria meningitidis</i> . <i>Scientific Reports</i> , 2017, 7, 40408.                                      | 1.6 | 10        |
| 52 | The conserved tyrosine residue 940 plays a key structural role in membrane interaction of <i>Bordetella</i> adenylate cyclase toxin. <i>Scientific Reports</i> , 2017, 7, 9330.  | 1.6 | 18        |
| 53 | High-level expression and purification of soluble form of human natural killer cell receptor NKR-P1 in HEK293S GnTII <sup>−</sup> cells. <i>Protein Expression and Purification</i> , 2017, 140, 36-43.                                  | 0.6 | 7         |
| 54 | Changes in the expression of N- and O-glycopeptides in patients with colorectal cancer and hepatocellular carcinoma quantified by full-MS scan FT-ICR and multiple reaction monitoring. <i>Journal of Proteomics</i> , 2017, 153, 44-52. | 1.2 | 26        |

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|----|--|-----|-----------|
| 55 | The cyanobacterial metabolite nocuolin a is a natural oxadiazine that triggers apoptosis in human cancer cells. <i>PLoS ONE</i> , 2017, 12, e0172850.  | 1.1 | 43        |
| 56 | Reprogramming of leukemic cell metabolism through the naphthoquinonic compound Quambalarine B. <i>Oncotarget</i> , 2017, 8, 103137-103153.   | 0.8 | 6         |
| 57 | A community proposal to integrate proteomics activities in ELIXIR. <i>F1000Research</i> , 2017, 6, 875.  | 0.8 | 13        |
| 58 | Solution structure of the lymphocyte receptor Nkrp1a reveals a distinct conformation of the long loop region as compared to in the crystal structure. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 1304-1311.       | 1.5 | 7         |
| 59 | Vitamin B2 as a virulence factor in <i>Pseudogymnoascus destructans</i> skin infection. <i>Scientific Reports</i> , 2016, 6, 33200.  | 1.6 | 46        |
| 60 | Protein Chips Compatible with MALDI Mass Spectrometry Prepared by Ambient Ion Landing. <i>Analytical Chemistry</i> , 2016, 88, 8526-8534.  | 3.2 | 14        |
| 61 | Quambalarine B, a Secondary Metabolite from <i>Quambalaria cyanescens</i> with Potential Anticancer Properties. <i>Journal of Natural Products</i> , 2016, 79, 2304-2314.  | 1.5 | 9         |
| 62 | Shikonin regulates C-MYC and GLUT1 expression through the MST1-YAP1-TEAD1 axis. <i>Experimental Cell Research</i> , 2016, 349, 273-281.  | 1.2 | 22        |
| 63 | Oligomeric interface modulation causes misregulation of purine 5'-nucleotidase in relapsed leukemia. <i>BMC Biology</i> , 2016, 14, 91.  | 1.7 | 9         |
| 64 | Large-scale identification of membrane proteins based on analysis of trypsin-protected transmembrane segments. <i>Journal of Proteomics</i> , 2016, 149, 15-22.  | 1.2 | 12        |
| 65 | <sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N resonance assignments of human DCL-1 (CD302) extracellular domain. <i>Biomolecular NMR Assignments</i> , 2016, 10, 189-192.  | 0.4 | 3         |
| 66 | Planar Functionalized Surfaces for Direct Immunoaffinity Desorption/Ionization Mass Spectrometry. <i>Clinical Chemistry</i> , 2016, 62, 270-278.   | 1.5 | 18        |
| 67 | Pharmacological inhibition of fatty-acid oxidation synergistically enhances the effect of l-asparaginase in childhood ALL cells. <i>Leukemia</i> , 2016, 30, 209-218.  | 3.3 | 31        |
| 68 | High-throughput workflow for identification of phosphorylated peptides by LC-MALDI-TOF/TOF-MS coupled to <i>in situ</i> enrichment on MALDI plates functionalized by ion landing. <i>Journal of Mass Spectrometry</i> , 2015, 50, 802-811. | 0.7 | 8         |
| 69 | Nkrp1 Family, from Lectins to Protein Interacting Molecules. <i>Molecules</i> , 2015, 20, 3463-3478.   | 1.7 | 6         |
| 70 | Biologically Active Metabolites Produced by the Basidiomycete <i>Quambalaria cyanescens</i> . <i>PLoS ONE</i> , 2015, 10, e0118913.  | 1.1 | 20        |
| 71 | Mapping protein structural changes by quantitative cross-linking. <i>Methods</i> , 2015, 89, 112-120.  | 1.9 | 27        |
| 72 | Interaction of <i>Bordetella</i> adenylate cyclase toxin with complement receptor 3 involves multivalent glycan binding. <i>FEBS Letters</i> , 2015, 589, 374-379.   | 1.3 | 29        |

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|----|--|-----|-----------|
| 73 | Cytotoxic Lipopeptide Muscotoxin A, Isolated from Soil Cyanobacterium <i>Desmonostoc muscorum</i> , Permeabilizes Phospholipid Membranes by Reducing Their Fluidity. <i>Chemical Research in Toxicology</i> , 2015, 28, 216-224.   | 1.7 | 16        |
| 74 | Expression and purification of soluble and stable ectodomain of natural killer cell receptor LLT1 through high-density transfection of suspension adapted HEK293S GnTI <sup>+</sup> cells. <i>Protein Expression and Purification</i> , 2015, 109, 7-13.                       | 0.6 | 18        |
| 75 | Paxillin-dependent regulation of IGF2/H19 gene cluster expression. <i>Journal of Cell Science</i> , 2015, 128, 3106-16.  | 1.2 | 20        |
| 76 | Hydnocarpin-Type Flavonolignans: Semisynthesis and Inhibitory Effects on <i>Staphylococcus aureus</i> Biofilm Formation. <i>Journal of Natural Products</i> , 2015, 78, 2095-2103.   | 1.5 | 16        |
| 77 | PSTPIP2, a Protein Associated with Autoinflammatory Disease, Interacts with Inhibitory Enzymes SHIP1 and Csk. <i>Journal of Immunology</i> , 2015, 195, 3416-3426.   | 0.4 | 34        |
| 78 | Lincosamide Synthetase <sup>+</sup> A Unique Condensation System Combining Elements of Nonribosomal Peptide Synthetase and Mycothiol Metabolism. <i>PLoS ONE</i> , 2015, 10, e0118850.   | 1.1 | 27        |
| 79 | Recombinant Expression, In Vitro Refolding and Characterizing Disulfide Bonds of a Mouse Inhibitory C-Type Lectin-Like Receptor Nr1p1b. <i>Physiological Research</i> , 2015, 64, S85-S93.   | 0.4 | 2         |
| 80 | Target antigens for Hs-14 monoclonal antibody and their various expression in normozoospermic and asthenozoospermic men. <i>Basic and Clinical Andrology</i> , 2015, 25, 11.   | 0.8 | 2         |
| 81 | Target antigens for Hs-14 monoclonal antibody and their various expression in normozoospermic and asthenozoospermic men. <i>Basic and Clinical Andrology</i> , 2015, 25, 11.   | 0.8 | 3         |
| 82 | The Application of an Emerging Technique for Protein <sup>+</sup> Protein Interaction Interface Mapping: The Combination of Photo-Initiated Cross-Linking Protein Nanoprobes with Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2014, 15, 9224-9241. | 1.8 | 8         |
| 83 | Systemic AL amyloidosis with unusual cutaneous presentation unmasked by carotenoderma. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2014, 21, 57-61.               | 1.4 | 3         |
| 84 | Molecular dynamics comparison of E. coli WrbA apoprotein and holoprotein. <i>Journal of Molecular Modeling</i> , 2014, 20, 2400.   | 0.8 | 1         |
| 85 | Role of the EF-hand-like Motif in the 14-3-3 Protein-mediated Activation of Yeast Neutral Trehalase Nth1. <i>Journal of Biological Chemistry</i> , 2014, 289, 13948-13961.   | 1.6 | 23        |
| 86 | SKIP and BIR-1/Survivin have potential to integrate proteome status with gene expression. <i>Journal of Proteomics</i> , 2014, 110, 93-106.  | 1.2 | 1         |
| 87 | Antibacterial properties of lucifensin in <i>Lucilia sericata</i> maggots after septic injury. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2014, 4, 358-361.  | 0.5 | 13        |
| 88 | L-Asparaginase Causes Metabolic Reprogramming in ALL Cells. <i>Blood</i> , 2014, 124, 922-922.   | 0.6 | 1         |
| 89 | Carbohydrate synthesis and biosynthesis technologies for cracking of the glycan code: Recent advances. <i>Biotechnology Advances</i> , 2013, 31, 17-37.  | 6.0 | 14        |
| 90 | Protein Extraction and Precipitation. , 2013, , 79-90.   |     | 5         |

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|-----|---|-----|-----------|
| 91  | Novel Aeruginosinâ€865 from <i>Nostoc</i> sp. as a Potent Anti-inflammatory Agent. <i>ChemBioChem</i> , 2013, 14, 2329-2337.  | 1.3 | 30        |
| 92  | Structural basis of the 14-3-3 protein-dependent activation of yeast neutral trehalase Nth1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4491-4499.   | 1.1 | 34        |
| 93  | Re-evaluation of the involvement of NK cells and C-type lectin-like NK receptors in modulation of immune responses by multivalent GlcNAc-terminated oligosaccharides. <i>Immunology Letters</i> , 2013, 156, 110-117.         | 1.1 | 9         |
| 94  | New insight into the role of a base in the mechanism of imine transfer hydrogenation on a Ru(ii) half-sandwich complex. <i>Dalton Transactions</i> , 2013, 42, 5174.  | 1.6 | 27        |
| 95  | Structural Model of Lymphocyte Receptor NKR-P1C Revealed by Mass Spectrometry and Molecular Modeling. <i>Analytical Chemistry</i> , 2013, 85, 1597-1604.  | 3.2 | 19        |
| 96  | 1.2-Å resolution crystal structure of <i>Escherichia coli</i> WrbA holoprotein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1748-1757.  | 2.5 | 6         |
| 97  | Lincomycin Biosynthesis Involves a Tyrosine Hydroxylating Heme Protein of an Unusual Enzyme Family. <i>PLoS ONE</i> , 2013, 8, e79974.  | 1.1 | 24        |
| 98  | Mouse Clr-g, a Ligand for NK Cell Activation Receptor NKR-P1F: Crystal Structure and Biophysical Properties. <i>Journal of Immunology</i> , 2012, 189, 4881-4889.   | 0.4 | 21        |
| 99  | Chemical Cross-Linking and H/D Exchange for Fast Refinement of Protein Crystal Structure. <i>Analytical Chemistry</i> , 2012, 84, 867-870.  | 3.2 | 30        |
| 100 | The Cyanobacterial Cyclic Lipopeptides Puwainaphycins F/G Are Inducing Necrosis via Cell Membrane Permeabilization and Subsequent Unusual Actin Relocalization. <i>Chemical Research in Toxicology</i> , 2012, 25, 1203-1211. | 1.7 | 30        |
| 101 | The combination of hydrogen/deuterium exchange or chemical cross-linking techniques with mass spectrometry: Mapping of human 14-3-3 $\eta$ homodimer interface. <i>Journal of Structural Biology</i> , 2012, 179, 10-17.      | 1.3 | 19        |
| 102 | <i>In situ</i> enrichment of phosphopeptides on MALDI plates modified by ambient ion landing. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1294-1302.  | 0.7 | 21        |
| 103 | Preparation of soluble isotopically labeled NKp30, a human natural cytotoxicity receptor, for structural studies using NMR. <i>Protein Expression and Purification</i> , 2012, 86, 142-150.                                   | 0.6 | 1         |
| 104 | Specific Nuclear Localizing Sequence Directs Two Myosin Isoforms to the Cell Nucleus in Calmodulin-Sensitive Manner. <i>PLoS ONE</i> , 2012, 7, e30529.   | 1.1 | 44        |
| 105 | Mapping of interaction between cytochrome P450 2B4 and cytochrome b5: the first evidence of two mutual orientations. <i>Neuroendocrinology Letters</i> , 2012, 33 Suppl 3, 41-7.  | 0.2 | 4         |
| 106 | Poly[N-(2-hydroxypropyl)methacrylamide]-Based Tissue-Embedding Medium Compatible with MALDI Mass Spectrometry Imaging Experiments. <i>Analytical Chemistry</i> , 2011, 83, 5458-5462.   | 3.2 | 48        |
| 107 | New polyene macrolide family produced by submerged culture of <i>Streptomyces durmitorensis</i> . <i>Journal of Antibiotics</i> , 2011, 64, 717-722.  | 1.0 | 17        |
| 108 | Molecular architecture of mouse activating NKR-P1 receptors. <i>Journal of Structural Biology</i> , 2011, 175, 434-441.   | 1.3 | 34        |

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| 109 | High-level expression of soluble form of mouse natural killer cell receptor NKR-P1C(B6) in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2011, 77, 178-184.                              | 0.6 | 19        |
| 110 | Cysteine <i>S</i> -glycosylation, a new post-translational modification found in glycopeptide bacteriocins. <i>FEBS Letters</i> , 2011, 585, 645-650.   | 1.3 | 132       |
| 111 | Structural Basis for the 14-3-3 Protein-dependent Inhibition of the Regulator of G Protein Signaling 3 (RGS3) Function. <i>Journal of Biological Chemistry</i> , 2011, 286, 43527-43536.                          | 1.6 | 25        |
| 112 | Spatial Distribution of Glycerophospholipids in the Ocular Lens. <i>PLoS ONE</i> , 2011, 6, e19441.   | 1.1 | 23        |
| 113 | Dissociation of Nystatin and Amphotericin Analogues: Characterisation of Minor Anti-Fungal Macrolides. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 73-80.  | 0.5 | 4         |
| 114 | Visualizing spatial lipid distribution in porcine lens by MALDI imaging high-resolution mass spectrometry. <i>Journal of Lipid Research</i> , 2010, 51, 2295-2302.  | 2.0 | 50        |
| 115 | A New Type of Membrane Raft-Like Microdomains and Their Possible Involvement in TCR Signaling. <i>Journal of Immunology</i> , 2010, 184, 3689-3696.   | 0.4 | 37        |
| 116 | The $\alpha$ -galactosidase type A gene <i>aglA</i> from <i>Aspergillus niger</i> encodes a fully functional $\alpha$ -N-acetylgalactosaminidase. <i>Glycobiology</i> , 2010, 20, 1410-1419.                      | 1.3 | 9         |
| 117 | <i>mMass</i> 3: A Cross-Platform Software Environment for Precise Analysis of Mass Spectrometric Data. <i>Analytical Chemistry</i> , 2010, 82, 4648-4651.   | 3.2 | 697       |
| 118 | Characterization of Pseudacyclins A <sup>E</sup> , a Suite of Cyclic Peptides Produced by <i>Pseudallescheria boydii</i> . <i>Journal of Natural Products</i> , 2010, 73, 1027-1032.                              | 1.5 | 29        |
| 119 | High-throughput analysis of tetracycline antibiotics and their epimers in liquid hog manure using Ultra Performance Liquid Chromatography with UV detection. <i>Chemosphere</i> , 2010, 78, 353-359.              | 4.2 | 46        |
| 120 | Laser Desorption-Ionization of Lipid Transfers: Tissue Mass Spectrometry Imaging without MALDI Matrix. <i>Analytical Chemistry</i> , 2010, 82, 4994-4997.   | 3.2 | 78        |
| 121 | Effective Removal of Nonionic Detergents in Protein Mass Spectrometry, Hydrogen/Deuterium Exchange, and Proteomics. <i>Analytical Chemistry</i> , 2010, 82, 5107-5116.  | 3.2 | 63        |
| 122 | Utilization of high-accuracy FTICR-MS data in protein quantitation experiments. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1565-1570.  | 0.7 | 4         |
| 123 | Modified electrophoretic and digestion conditions allow a simplified mass spectrometric evaluation of disulfide bonds. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1571-1578.                                 | 0.7 | 31        |
| 124 | Hydroxylated anthraquinones produced by <i>Geosmithia</i> species. <i>Folia Microbiologica</i> , 2009, 54, 179-187.   | 1.1 | 23        |
| 125 | Automated Ambient Desorption-Ionization Platform for Surface Imaging Integrated with a Commercial Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. <i>Analytical Chemistry</i> , 2009, 81, 8479-8487. | 3.2 | 67        |
| 126 | LC MALDI-TOF MS/MS and LC ESI FTMS analyses of HLA-B27 associated peptides isolated from peripheral blood cells. <i>Immunology Letters</i> , 2008, 116, 79-85.  | 1.1 | 7         |



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|-----|--|-----|-----------|
| 127 | Liquid chromatography-tandem mass spectrometry characterization of ergocristam degradation products. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 873, 165-172.   | 1.2 | 8         |
| 128 | Abnormal expression and processing of uromodulin in Fabry disease reflects tubular cell storage alteration and is reversible by enzyme replacement therapy. <i>Journal of Inherited Metabolic Disease</i> , 2008, 31, 508-517.   | 1.7 | 25        |
| 129 | Production of (+)-globulol needle crystals on the surface mycelium of <i>Quambalaria cyanescens</i> . <i>Folia Microbiologica</i> , 2008, 53, 15-22.   | 1.1 | 10        |
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