

Ted M Lakowski

List of Publications by Year in descending order

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37
papers

860
citations

516215

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500791

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37
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37
docs citations

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times ranked

1184
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Kinetic analysis of human protein arginine N-methyltransferase 2: formation of monomethyl- and asymmetric dimethyl-arginine residues on histone H4. <i>Biochemical Journal</i> , 2009, 421, 253-261. | 1.7 | 105 |
| 2 | A Kinetic Study of Human Protein Arginine N-Methyltransferase 6 Reveals a Distributive Mechanism. <i>Journal of Biological Chemistry</i> , 2008, 283, 10015-10025. | 1.6 | 71 |
| 3 | Deep graph embedding for prioritizing synergistic anticancer drug combinations. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 427-438. | 1.9 | 64 |
| 4 | Transcriptional Regulation of Brain-Derived Neurotrophic Factor (BDNF) by Methyl CpG Binding Protein 2 (MeCP2): a Novel Mechanism for Re-Myelination and/or Myelin Repair Involved in the Treatment of Multiple Sclerosis (MS). <i>Molecular Neurobiology</i> , 2016, 53, 1092-1107. | 1.9 | 61 |
| 5 | Physiologic Changes in the Heart Following Cessation of Mechanical Ventilation in a Porcine Model of Donation After Circulatory Death: Implications for Cardiac Transplantation. <i>American Journal of Transplantation</i> , 2016, 16, 783-793. | 2.6 | 57 |
| 6 | N ⁱ -Substituted Arginyl Peptide Inhibitors of Protein Arginine N-Methyltransferases. <i>ACS Chemical Biology</i> , 2010, 5, 1053-1063. | 1.6 | 34 |
| 7 | A Protein Arginine N-Methyltransferase 1 (PRMT1) and 2 Heteromeric Interaction Increases PRMT1 Enzymatic Activity. <i>Biochemistry</i> , 2011, 50, 8226-8240. | 1.2 | 34 |
| 8 | Calcium-induced folding of a fragment of calmodulin composed of EF-hands 2 and 3. <i>Protein Science</i> , 2007, 16, 1119-1132. | 3.1 | 32 |
| 9 | Approaches to measuring the activities of protein arginine N-methyltransferases. <i>Analytical Biochemistry</i> , 2010, 397, 1-11. | 1.1 | 29 |
| 10 | SARS-CoV-2 multifaceted interaction with the human host. Part II: Innate immunity response, immunopathology, and epigenetics. <i>IUBMB Life</i> , 2020, 72, 2331-2354. | 1.5 | 29 |
| 11 | Peptidic Partial Bisubstrates as Inhibitors of the Protein Arginine N-Methyltransferases. <i>ChemBioChem</i> , 2011, 12, 1427-1432. | 1.3 | 22 |
| 12 | Disposition, Metabolism and Histone Deacetylase and Acetyltransferase Inhibition Activity of Tetrahydrocurcumin and Other Curcuminoids. <i>Pharmaceutics</i> , 2017, 9, 45. | 2.0 | 21 |
| 13 | Förster resonance energy transfer measurements of cofactor-dependent effects on protein arginine N-methyltransferase homodimerization. <i>Protein Science</i> , 2010, 19, 2141-2151. | 3.1 | 20 |
| 14 | HDAC inhibitors induce global changes in histone lysine and arginine methylation and alter expression of lysine demethylases. <i>Journal of Proteomics</i> , 2016, 133, 125-133. | 1.2 | 20 |
| 15 | Antimicrobial Prophylaxis for Patients Undergoing Cardiac Surgery: Intraoperative Cefazolin Concentrations and Sternal Wound Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, . | 1.4 | 19 |
| 16 | PRMT2 interacts with splicing factors and regulates the alternative splicing of <i>BCL-X</i> . <i>Journal of Biochemistry</i> , 2017, 162, mvw102. | 0.9 | 17 |
| 17 | Selective DOT1L, LSD1, and HDAC Class I Inhibitors Reduce HOXA9 Expression in MLL-AF9 Rearranged Leukemia Cells, But Dysregulate the Expression of Many Histone-Modifying Enzymes. <i>Journal of Proteome Research</i> , 2018, 17, 2657-2667. | 1.8 | 17 |
| 18 | MS3 fragmentation patterns of monomethylarginine species and the quantification of all methylarginine species in yeast using MRM3. <i>Journal of Proteomics</i> , 2013, 80, 43-54. | 1.2 | 15 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Evaluation of cefazolin antimicrobial prophylaxis during cardiac surgery with cardiopulmonary bypass. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 768-771. | 1.3 | 14 |
| 20 | Increased Post-Translational Lysine Acetylation of Myelin Basic Protein Is Associated with Peak Neurological Disability in a Mouse Experimental Autoimmune Encephalomyelitis Model of Multiple Sclerosis. <i>Journal of Proteome Research</i> , 2018, 17, 55-62. | 1.8 | 14 |
| 21 | Sources of S-adenosyl-l-homocysteine background in measuring protein arginine N-methyltransferase activity using tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2010, 396, 158-160. | 1.1 | 13 |
| 22 | Inhibitors of enzymes catalyzing modifications to histone lysine residues: structure, function and activity. <i>Future Medicinal Chemistry</i> , 2016, 8, 879-897. | 1.1 | 13 |
| 23 | Quantification of cefazolin in serum and adipose tissue by ultra high performance liquid chromatography-Tandem mass spectrometry (UHPLC-MS/MS): application to a pilot study of obese women undergoing cesarean delivery. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1031, 94-98. | 1.2 | 13 |
| 24 | Validation of Cadherin HAV6 Peptide in the Transient Modulation of the Blood-Brain Barrier for the Treatment of Brain Tumors. <i>Pharmaceutics</i> , 2019, 11, 481. | 2.0 | 13 |
| 25 | Peptide Binding by a Fragment of Calmodulin Composed of EF-Hands 2 and 3. <i>Biochemistry</i> , 2007, 46, 8525-8536. | 1.2 | 12 |
| 26 | Absolute Oral Bioavailability of Creatine Monohydrate in Rats: Debunking a Myth. <i>Pharmaceutics</i> , 2018, 10, 31. | 2.0 | 12 |
| 27 | Analogues of the HIV-Tat peptide containing N ^ω -modified arginines as potent inhibitors of protein arginine N-methyltransferases. <i>MedChemComm</i> , 2012, 3, 1235. | 3.5 | 11 |
| 28 | Protein Arginine N-Methyltransferase Substrate Preferences for Different N ^ω -Substituted Arginyl Peptides. <i>ChemBioChem</i> , 2014, 15, 1607-1613. | 1.3 | 10 |
| 29 | Enantiospecific Analysis of 8 ^α -Prenylnaringenin in Biological Fluids by Liquid-Chromatography-Electrospray Ionization Mass Spectrometry: Application to Preclinical Pharmacokinetic Investigations. <i>Chirality</i> , 2014, 26, 419-426. | 1.3 | 10 |
| 30 | Arginine methylation in yeast proteins during stationary-phase growth and heat shock. <i>Amino Acids</i> , 2015, 47, 2561-2571. | 1.2 | 10 |
| 31 | Experimental Autoimmune Encephalomyelitis (EAE)-Induced Elevated Expression of the E1 Isoform of Methyl CpG Binding Protein 2 (MeCP2E1): Implications in Multiple Sclerosis (MS)-Induced Neurological Disability and Associated Myelin Damage. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1254. | 1.8 | 10 |
| 32 | Integrative Analysis Reveals Subtype-Specific Regulatory Determinants in Triple Negative Breast Cancer. <i>Cancers</i> , 2019, 11, 507. | 1.7 | 10 |
| 33 | <sc>SARS-CoV</sc>-2 multifaceted interaction with human host. Part I: What we have learnt and done so far, and the still unknown realities. <i>IUBMB Life</i> , 2020, 72, 2313-2330. | 1.5 | 10 |
| 34 | Predicting breast cancer drug response using a multiple-layer cell line drug response network model. <i>BMC Cancer</i> , 2021, 21, 648. | 1.1 | 8 |
| 35 | Pharmacokinetic Analysis of an Oral Multicomponent Joint Dietary Supplement (Phycox [®]) in Dogs. <i>Pharmaceutics</i> , 2017, 9, 30. | 2.0 | 7 |
| 36 | Simultaneous quantification of reparixin and paclitaxel in plasma and urine using ultra performance liquid chromatography-tandem mass spectroscopy (UHPLC-MS/MS): Application to a preclinical pharmacokinetic study in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1046, 165-171. | 1.2 | 3 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | The treatment of SARS-CoV2 with antivirals and mitigation of the cytokine storm syndrome: the role of gene expression. <i>Genome</i> , 2021, 64, 400-415. | 0.9 | 0 |