# Marcy Hernick

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 28 papers | 774 citations | 623734<br>14 h-index | 552781<br>26 g-index |
| 28 all docs | 28 docs citations | 28 times ranked | 1066 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Process for Curricular Improvement Based on Evaluation of Student Performance on Milestone Examinations. American Journal of Pharmaceutical Education, 2016, 80, 159. | 2.1 | 7 |
| 2 | Test-Enhanced Learning in an Immunology and Infectious Disease Medicinal Chemistry/Pharmacology Course. American Journal of Pharmaceutical Education, 2015, 79, 97. | 2.1 | 19 |
| 3 | Molecular Determinants of <i>N</i>-Acetylglucosamine Recognition and Turnover by <i>N</i>-Acetyl-1-<scp>d</scp>-<i>myo</i>-inositol-2-amino-2-deoxy-Î±-<scp>d</scp>-glucopyranoside Deacetylase (MshB). Biochemistry, 2015, 54, 3784-3790. | 2.5 | 3 |
| 4 | Identity of cofactor bound to mycothiol conjugate amidase (Mca) influenced by expression and purification conditions. BioMetals, 2015, 28, 755-763. | 4.1 | 1 |
| 5 | Recombinant Expression of a Functional Myo-Inositol-1-Phosphate Synthase (MIPS) in Mycobacterium smegmatis. Protein Journal, 2015, 34, 380-390. | 1.6 | 5 |
| 6 | Improving student understanding of lipids concepts in a biochemistry course using test-enhanced learning. Chemistry Education Research and Practice, 2015, 16, 918-928. | 2.5 | 7 |
| 7 | Automated docking studies provide insights into molecular determinants of ligand recognition by <i>N</i>â€acetylâ€1â€‹<scp>d</scp>â€myoâ€inositylâ€2â€aminoâ€2â€deoxyâ€Î±â€‹<scp>d</scp>â€glucopyranoside deacetylase (MshB). Biopolymers, 2014, 101, 406-417. | 2.4 | 5 |
| 8 | Structure and Function of the LmbE-like Superfamily. Biomolecules, 2014, 4, 527-545. | 4.0 | 11 |
| 9 | Mycothiol: a target for potentiation of rifampin and other antibiotics against<i>Mycobacterium tuberculosis</i>. Expert Review of Anti-Infective Therapy, 2013, 11, 49-67. | 4.4 | 28 |
| 10 | Examination of Mechanism of N-Acetyl-1-d-myo-inosityl-2-amino-2-deoxy-Î±-d-glucopyranoside Deacetylase (MshB) Reveals Unexpected Role for Dynamic Tyrosine. Journal of Biological Chemistry, 2012, 287, 10424-10434. | 3.4 | 14 |
| 11 | Metalloenzymes: Native Co-factor or Experimental Artifact?. Biochemistry and Analytical Biochemistry: Current Research, 2012, 01, . | 0.4 | 3 |
| 12 | A limitation of the continuous spectrophotometric assay for the measurement of myo-inositol-1-phosphate synthase activity. Analytical Biochemistry, 2011, 417, 228-232. | 2.4 | 2 |
| 13 | A fluorescence-based assay for measuring N-acetyl-1-d-myo-inosityl-2-amino-2-deoxy-Î±-d-glucopyranoside deacetylase activity. Analytical Biochemistry, 2011, 414, 278-281. | 2.4 | 20 |
| 14 | The Activity and Cofactor Preferences of N-Acetyl-1-d-myo-inosityl-2-amino-2-deoxy-Î±-d-glucopyranoside Deacetylase (MshB) Change Depending on Environmental Conditions. Journal of Biological Chemistry, 2011, 286, 20275-20282. | 3.4 | 24 |
| 15 | Fluorescence-Based Methods to Assay Inhibitors of Lipopolysaccharide Synthesis. Methods in Molecular Biology, 2011, 739, 123-133. | 0.9 | 2 |
| 16 | Mechanisms of Metal-Dependent Hydrolases in Metabolism. , 2010, , 547-581. | | 14 |
| 17 | The<i>Arabidopsis thaliana Myo-</i>Inositol 1-Phosphate Synthase1 Gene Is Required for<i>Myo</i>-inositol Synthesis and Suppression of Cell Death. Plant Cell, 2010, 22, 888-903. | 6.6 | 179 |
| 18 | Active Site Metal Ion in UDP-3-O-((R)-3-Hydroxymyristoyl)-N-acetylglucosamine Deacetylase (LpxC) Switches between Fe(II) and Zn(II) Depending on Cellular Conditions*. Journal of Biological Chemistry, 2010, 285, 33788-33796. | 3.4 | 37 |

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|---|---|---|---|
| 19 | Activation of<i>Escherichia coli</i>UDP-3-<i>O</i>-[(<i>R</i>)-3-hydroxymyristoyl]-<i>N</i>-acetylglucosamine Deacetylase by Fe<sup>2+</sup>Yields a More Efficient Enzyme with Altered Ligand Affinity. Biochemistry, 2010, 49, 2246-2255. | 2.5 | 32 |
| 20 | Residue Ionization in LpxC Directly Observed by <sup>67</sup>Zn NMR Spectroscopy. Journal of the American Chemical Society, 2008, 130, 12671-12679. | 13.7 | 20 |
| 21 | A Method to Assay Inhibitors of Lipopolysaccharide Synthesis. Methods in Molecular Medicine, 2008, 142, 143-154. | 0.8 | 1 |
| 22 | Catalytic metal ion switching in zincâ€dependent deacetylases. FASEB Journal, 2008, 22, 611.14. | 0.5 | 0 |
| 23 | Molecular Recognition byEscherichia coliUDP-3-O-(R-3-hydroxymyristoyl)-N-acetylglucosamine Deacetylase Is Modulated by Bound Metal Ionsâ€. Biochemistry, 2006, 45, 14573-14581. | 2.5 | 12 |
| 24 | Catalytic Mechanism and Molecular Recognition ofE.coliUDP-3-O-(R-3-Hydroxymyristoyl)-N-acetylglucosamine Deacetylase Probed by Mutagenesisâ€. Biochemistry, 2006, 45, 15240-15248. | 2.5 | 33 |
| 25 | UDP-3-O-((R)-3-hydroxymyristoyl)-N-acetylglucosamine Deacetylase Functions through a General Acid-Base Catalyst Pair Mechanism. Journal of Biological Chemistry, 2005, 280, 16969-16978. | 3.4 | 62 |
| 26 | Zinc hydrolases: the mechanisms of zinc-dependent deacetylases. Archives of Biochemistry and Biophysics, 2005, 433, 71-84. | 3.0 | 169 |
| 27 | Studies on the Mechanisms of Activation of Indolequinone Phosphoramidate Prodrugs. Journal of Medicinal Chemistry, 2003, 46, 148-154. | 6.4 | 22 |
| 28 | Design, Synthesis, and Biological Evaluation of Indolequinone Phosphoramidate Prodrugs Targeted to DT-diaphorase. Journal of Medicinal Chemistry, 2002, 45, 3540-3548. | 6.4 | 42 |