# Vladimir S Borodkin

List of Publications by Year
in descending order



| 21 | 1,152 | 516710 16 | 677142 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 22 | 22 | 22 | 1004 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Proteome Wide Purification and Identification of O-GlcNAc-Modified Proteins Using Click Chemistry and Mass Spectrometry. Journal of Proteome Research, 2013, 12, 927-936. | 3.7 | 151 |
| 2 | GlcNAcstatin:Â a Picomolar, SelectiveO-GlcNAcase Inhibitor That Modulates IntracellularO-GlcNAcylation Levels. Journal of the American Chemical Society, 2006, 128, 16484-16485. | 13.7 | 136 |
| 3 | O-GlcNAc transferase invokes nucleotide sugar pyrophosphate participation in catalysis. Nature Chemical Biology, 2012, 8, 969-974. | 8.0 | 123 |
| 4 | The active site of O-GlcNAc transferase imposes constraints on substrate sequence. Nature Structural and Molecular Biology, 2015, 22, 744-750. | 8.2 | 114 |
| 5 | GlcNAcstatins are nanomolar inhibitors of human O-GlcNAcase inducing cellular hyper-O-GlcNAcylation. Biochemical Journal, 2009, 420, 221-227. | 3.7 | 83 |
| 6 | Human OGA binds substrates in a conserved peptide recognition groove. Biochemical Journal, 2010, 432, 1-12. | 3.7 | 58 |
| 7 | Catalytic deficiency of O-GlcNAc transferase leads to X-linked intellectual disability. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14961-14970. | 7.1 | 58 |
| 8 | Bisubstrate UDPâ€“peptide conjugates as human O-GlcNAc transferase inhibitors. Biochemical Journal, 2014, 457, 497-502. | 3.7 | 57 |
| 9 | Cell-Penetrant, Nanomolar O-GlcNAcase Inhibitors Selective against Lysosomal Hexosaminidases. Chemistry and Biology, 2010, 17, 1250-1255. | 6.0 | 52 |
| 10 | Genetic recoding to dissect the roles of site-specific protein O-GlcNAcylation. Nature Structural and Molecular Biology, 2019, 26, 1071-1077. | 8.2 | 50 |
| 11 | Synergy of Peptide and Sugar in O-GlcNAcase Substrate Recognition. Chemistry and Biology, 2012, 19, 173-178. | 6.0 | 48 |
| 12 | Recognition of a glycosylation substrate by the O-GlcNAc transferase TPR repeats. Open Biology, 2017, 7, 170078. | 3.6 | 48 |
| 13 | A Structural and Biochemical Model of Processive Chitin Synthesis. Journal of Biological Chemistry, 2014, 289, 23020-23028. | 3.4 | 46 |
| 14 | Thio-Linked UDPâ€“Peptide Conjugates as O-GlcNAc Transferase Inhibitors. Bioconjugate Chemistry, 2018, 29, 1834-1840. | 3.6 | 34 |
| 15 | Proteolysis of HCF-1 by Ser/Thr glycosylation-incompetent O-GlcNAc transferase:UDP-GlcNAc complexes. Genes and Development, 2016, 30, 960-972. | 5.9 | 21 |
| 16 | A mechanism-inspired UDP-N-acetylglucosamine pyrophosphorylase inhibitor. RSC Chemical Biology, 2020, 1, 13-25. | 4.1 | 20 |
| 17 | Synthesis of potential bisubstrate inhibitors of Leishmania elongating Î±-d-mannosyl phosphate transferase. Tetrahedron Letters, 2004, 45, 857-862. | 1.4 | 16 |
| 18 | An efficient and versatile synthesis of GlcNAcstatinsâ€”potent and selective O-GlcNAcase inhibitors built on the tetrahydroimidazo[1,2-a]pyridine scaffold. Tetrahedron, 2010, 66, 7838-7849. | 1.9 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | O-GlcNAcase Fragment Discovery with Fluorescence Polarimetry. ACS Chemical Biology, 2018, 13, 1353-1360. | 3.4 | 8 |
| 20 | The conserved threonine-rich region of the HCF-1PRO repeat activates promiscuous OGT:UDP-GlcNAc glycosylation and proteolysis activities. Journal of Biological Chemistry, 2018, 293, 17754-17768. | 3.4 | 7 |
| 21 | The Chemical Synthesis of Glycosylphosphatidylinositol Anchors from Trypanosoma cruzi Trypomastigote Mucins. ACS Symposium Series, 2007, , 285-306. | 0.5 | 4 |