# Michael C Wiener

List of Publications by Year
in descending order



| 35 | 2,132 | 394421 | 377865 |
|---|---|---|---|
| papers | citations | 19 | 34 |
| | | h-index | g-index |

| 37 | 37 | 37 | 2008 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Substrate-induced transmembrane signaling in the cobalamin transporter BtuB. Nature Structural and Molecular Biology, 2003, 10, 394-401. | 8.2 | 274 |
| 2 | Outer Membrane Active Transport: Structure of the BtuB:TonB Complex. Science, 2006, 312, 1396-1399. | 12.6 | 274 |
| 3 | Crystal structure of colicin Ia. Nature, 1997, 385, 461-464. | 27.8 | 250 |
| 4 | A pedestrian guide to membrane protein crystallization. Methods, 2004, 34, 364-372. | 3.8 | 165 |
| 5 | TonB-dependent outer membrane transport: going for Baroque?. Current Opinion in Structural Biology, 2005, 15, 394-400. | 5.7 | 119 |
| 6 | Membrane protein expression and production: effects of polyhistidine tag length and position. Protein Expression and Purification, 2004, 33, 311-325. | 1.3 | 109 |
| 7 | Mechanics of Force Propagation in TonB-Dependent Outer Membrane Transport. Biophysical Journal, 2007, 93, 496-504. | 0.5 | 98 |
| 8 | Comparative structural analysis of TonB-dependent outer membrane transporters: Implications for the transport cycle. Proteins: Structure, Function and Bioinformatics, 2005, 59, 240-251. | 2.6 | 92 |
| 9 | Inhibition of tobacco etch virus protease activity by detergents. Protein Expression and Purification, 2003, 27, 109-114. | 1.3 | 86 |
| 10 | Structure of the Integral Membrane Protein CAAX Protease Ste24p. Science, 2013, 339, 1600-1604. | 12.6 | 82 |
| 11 | Purification and Structure-Function Analysis of Native, PNGase F-Treated, and Endo-.beta.-galactosidase-Treated CHIP28 Water Channels. Biochemistry, 1995, 34, 2212-2219. | 2.5 | 77 |
| 12 | The Escherichia coli Outer Membrane Cobalamin Transporter BtuB: Structural Analysis of Calcium and Substrate Binding, and Identification of Orthologous Transporters by Sequence/Structure Conservation. Journal of Molecular Biology, 2003, 332, 999-1014. | 4.2 | 77 |
| 13 | Secondary structure analysis of purified functional CHIP28 water channels by CD and FTIR spectroscopy. Biochemistry, 1993, 32, 11847-11856. | 2.5 | 73 |
| 14 | Conformational Exchange in a Membrane Transport Protein Is Altered inÂProtein Crystals. Biophysical Journal, 2010, 99, 1604-1610. | 0.5 | 44 |
| 15 | How hydrophobic molecules traverse the outer membranes of Gram-negative bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10929-10930. | 7.1 | 40 |
| 16 | The variable detergent sensitivity of proteases that are utilized for recombinant protein affinity tag removal. Protein Expression and Purification, 2011, 78, 139-142. | 1.3 | 39 |
| 17 | A high-throughput differential filtration assay to screen and select detergents for membrane proteins. Analytical Biochemistry, 2010, 407, 1-11. | 2.4 | 31 |
| 18 | Coupling of Calcium and Substrate Binding through Loop Alignment in the Outer-Membrane Transporter BtuB. Journal of Molecular Biology, 2009, 393, 1129-1142. | 4.2 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Ste24p Mediates Proteolysis of Both Isoprenylated and Non-prenylated Oligopeptides. Journal of Biological Chemistry, 2016, 291, 14185-14198. | 3.4 | 21 |
| 20 | The development of membrane protein crystallization screens based upon detergent solution properties. Journal of Crystal Growth, 2001, 232, 426-431. | 1.5 | 20 |
| 21 | Crystallization and initial X-ray diffraction of BtuB, the integral membrane cobalamin transporter ofEscherichia coli. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 509-511. | 2.5 | 20 |
| 22 | Existing and emergent roles for surfactants in the three-dimensional crystallization of integral membrane proteins. Current Opinion in Colloid and Interface Science, 2001, 6, 412-419. | 7.4 | 18 |
| 23 | Expression, purification, and initial structural characterization of YadQ, a bacterial homolog of mammalian ClC chloride channel proteins. FEBS Letters, 2000, 466, 26-28. | 2.8 | 17 |
| 24 | Use of a crystallization robot to set up sitting-drop vapor-diffusion crystallization andin situcrystallization screens. Journal of Applied Crystallography, 2000, 33, 344-349. | 4.5 | 15 |
| 25 | A Critical Evaluation of inÂsilico Methods for Detection of Membrane Protein Intrinsic Disorder. Biophysical Journal, 2014, 106, 1638-1649. | 0.5 | 15 |
| 26 | Ste24: An Integral Membrane Protein Zinc Metalloprotease with Provocative Structure and Emergent Biology. Journal of Molecular Biology, 2020, 432, 5079-5090. | 4.2 | 11 |
| 27 | Acquisition of accurate data from intramolecular quenched fluorescence protease assays. Analytical Biochemistry, 2017, 522, 30-36. | 2.4 | 7 |
| 28 | Mesoscopic surfactant organization and membrane protein crystallization. Protein Science, 2000, 9, 1407-1409. | 7.6 | 5 |
| 29 | The tripartite architecture of the eukaryotic integral membrane protein zinc metalloprotease Ste24. Proteins: Structure, Function and Bioinformatics, 2020, 88, 604-615. | 2.6 | 5 |
| 30 | Crystallization and preliminary X-ray crystallographic analysis of theEscherichia coliouter membrane cobalamin transporter BtuB in complex with the carboxy-terminal domain of TonB. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 638-641. | 0.7 | 4 |
| 31 | Phosphoramidon inhibits the integral membrane protein zinc metalloprotease ZMPSTE24. Acta Crystallographica Section D: Structural Biology, 2018, 74, 739-747. | 2.3 | 4 |
| 32 | Bacterial export takes its Tol. Structure, 2000, 8, R171-R175. | 3.3 | 3 |
| 33 | A Census of Ordered Lipids and Detergents in X-ray Crystal Structures of Integral Membrane Proteins. , 2006, , 95-117. | | 3 |
| 34 | When worlds colloid. Protein Science, 2006, 15, 2679-2681. | 7.6 | 2 |
| 35 | Integral membrane proteins and free electron lasers â€“ a compatible couple indeed!. IUCrJ, 2015, 2, 387-388. | 2.2 | 2 |