Peter Nollert

List of Publications by Year
in descending order

23 papers	3,546 citations	394421 19 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	3302 citing authors

#	Article	IF	Citations
1	Structure of a Glycerol-Conducting Channel and the Basis for Its Selectivity. Science, 2000, 290, 481-486.	12.6	938
2	Control of the Selectivity of the Aquaporin Water Channel Family by Global Orientational Tuning. Science, 2002, 296, 525-530.	12.6	833
3	Protein, lipid and water organization in bacteriorhodopsin crystals: a molecular view of the purple membrane at 1.9 Ã... resolution. Structure, 1999, 7, 909-917.	3.3	431
4	High-resolution X-ray structure of an early intermediate in the bacteriorhodopsin photocycle. Nature, 1999, 401, 822-826.	27.8	332
5	Lipidic Cubic Phases: New Matrices for the Three-Dimensional Crystallization of Membrane Proteins. Journal of Structural Biology, 1998, 121, 82-91.	2.8	164
6	Impedance Spectroscopy of Porin and Gramicidin Pores Reconstituted into Supported Lipid Bilayers on Indiumâ˜Tin-Oxide Electrodesâ€. Langmuir, 1998, 14, 3118-3125.	3.5	149
7	Molecular mechanism for the crystallization of bacteriorhodopsin in lipidic cubic phases. FEBS Letters, 2001, 504, 179-186.	2.8	99
8	Crystallizationin cubo: general applicability to membrane proteins. Acta Crystallographica Section D: Biological Crystallography, 2000, 56, 781-784.	2.5	76
9	Protein Interactions and Membrane Geometry. Biophysical Journal, 2003, 84, 854-868.	0.5	59
10	Lipidic cubic phases as matrices for membrane protein crystallization. Methods, 2004, 34, 348-353.	3.8	56
11	The plug-based nanovolume Microcapillary Protein Crystallization System (MPCS). Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 1116-1122.	2.5	52
12	Detergent-free membrane protein crystallization. FEBS Letters, 1999, 457, 205-208.	2.8	51
13	Crystallization of membrane proteins in Cubo. Methods in Enzymology, 2002, 343, 183-199.	1.0	51
14	Early Structural Rearrangements in the Photocycle of an Integral Membrane Sensory Receptor. Structure, 2002, 10, 473-482.	3.3	51
15	Atomic structure of a glycerol channel and implications for substrate permeation in aqua(glycero)porins. FEBS Letters, 2001, 504, 112-117.	2.8	37
16	A plug-based microfluidic system for dispensing lipidic cubic phase (LCP) material validated by crystallizing membrane proteins in lipidic mesophases. Microfluidics and Nanofluidics, 2010, 8, 789-798.	2.2	36
17	Effects of impurities on membrane-protein crystallization in different systems. Acta Crystallographica Section D: Biological Crystallography, 2009, 65, 1062-1073.	2.5	27
18	Membrane protein crystallization in amphiphile phases: practical and theoretical considerations. Progress in Biophysics and Molecular Biology, 2005, 88, 339-357.	2.9	25

#	Article	IF	Citations
19	The glycerol facilitator GlpF, its aquaporin family of channels, and their selectivity. Advances in Protein Chemistry, 2003, 63, 291-316.	4.4	22
20	Nanovolume optimization of protein crystal growth using the microcapillary protein crystallization system. Journal of Applied Crystallography, 2010, 43, 1078-1083.	4.5	16
21	Microscope detection options for colorless protein crystals grown in lipidic cubic phases. Journal of Applied Crystallography, 2003, 36, 1295-1296.	4.5	13
22	Monoolein Lipid Phases as Incorporation and Enrichment Materials for Membrane Protein Crystallization. PLoS ONE, 2011, 6, e24488.	2.5	13
23	From test tube to plate: a simple procedure for the rapid preparation of microcrystallization experiments using the cubic phase method. Journal of Applied Crystallography, 2002, 35, 637-640.	4.5	12