

Peter Nollert

List of Publications by Year in descending order

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23
papers

3,546
citations

394421

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610901

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docs citations

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times ranked

3302
citing authors

#	ARTICLE	IF	CITATIONS
1	Monoolein Lipid Phases as Incorporation and Enrichment Materials for Membrane Protein Crystallization. <i>PLoS ONE</i> , 2011, 6, e24488.	2.5	13
2	A plug-based microfluidic system for dispensing lipidic cubic phase (LCP) material validated by crystallizing membrane proteins in lipidic mesophases. <i>Microfluidics and Nanofluidics</i> , 2010, 8, 789-798.	2.2	36
3	Nanovolume optimization of protein crystal growth using the microcapillary protein crystallization system. <i>Journal of Applied Crystallography</i> , 2010, 43, 1078-1083.	4.5	16
4	Effects of impurities on membrane-protein crystallization in different systems. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 1062-1073.	2.5	27
5	The plug-based nanovolume Microcapillary Protein Crystallization System (MPCS). <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2008, 64, 1116-1122.	2.5	52
6	Membrane protein crystallization in amphiphile phases: practical and theoretical considerations. <i>Progress in Biophysics and Molecular Biology</i> , 2005, 88, 339-357.	2.9	25
7	Lipidic cubic phases as matrices for membrane protein crystallization. <i>Methods</i> , 2004, 34, 348-353.	3.8	56
8	Microscope detection options for colorless protein crystals grown in lipidic cubic phases. <i>Journal of Applied Crystallography</i> , 2003, 36, 1295-1296.	4.5	13
9	Protein Interactions and Membrane Geometry. <i>Biophysical Journal</i> , 2003, 84, 854-868.	0.5	59
10	The glycerol facilitator GlpF, its aquaporin family of channels, and their selectivity. <i>Advances in Protein Chemistry</i> , 2003, 63, 291-316.	4.4	22
11	Crystallization of membrane proteins in Cubo. <i>Methods in Enzymology</i> , 2002, 343, 183-199.	1.0	51
12	Early Structural Rearrangements in the Photocycle of an Integral Membrane Sensory Receptor. <i>Structure</i> , 2002, 10, 473-482.	3.3	51
13	From test tube to plate: a simple procedure for the rapid preparation of microcrystallization experiments using the cubic phase method. <i>Journal of Applied Crystallography</i> , 2002, 35, 637-640.	4.5	12
14	Control of the Selectivity of the Aquaporin Water Channel Family by Global Orientational Tuning. <i>Science</i> , 2002, 296, 525-530.	12.6	833
15	Atomic structure of a glycerol channel and implications for substrate permeation in aqua(glycero)porins. <i>FEBS Letters</i> , 2001, 504, 112-117.	2.8	37
16	Molecular mechanism for the crystallization of bacteriorhodopsin in lipidic cubic phases. <i>FEBS Letters</i> , 2001, 504, 179-186.	2.8	99
17	Crystallization in cubo: general applicability to membrane proteins. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 781-784.	2.5	76
18	Structure of a Glycerol-Conducting Channel and the Basis for Its Selectivity. <i>Science</i> , 2000, 290, 481-486.	12.6	938

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19	High-resolution X-ray structure of an early intermediate in the bacteriorhodopsin photocycle. <i>Nature</i> , 1999, 401, 822-826.	27.8	332
20	Protein, lipid and water organization in bacteriorhodopsin crystals: a molecular view of the purple membrane at 1.9 Å... resolution. <i>Structure</i> , 1999, 7, 909-917.	3.3	431
21	Detergent-free membrane protein crystallization. <i>FEBS Letters</i> , 1999, 457, 205-208.	2.8	51
22	Impedance Spectroscopy of Porin and Gramicidin Pores Reconstituted into Supported Lipid Bilayers on Indium-Tin-Oxide Electrodes. <i>Langmuir</i> , 1998, 14, 3118-3125.	3.5	149
23	Lipidic Cubic Phases: New Matrices for the Three-Dimensional Crystallization of Membrane Proteins. <i>Journal of Structural Biology</i> , 1998, 121, 82-91.	2.8	164