

Daniel Levy

List of Publications by Year in descending order

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52
papers

3,924
citations

136950

32
h-index

168389

53
g-index

56
all docs

56
docs citations

56
times ranked

4001
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstitution of membrane proteins into liposomes: application to energy-transducing membrane proteins. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1995, 1231, 223-246.	1.0	416
2	Reconstitution of Membrane Proteins into Liposomes. <i>Methods in Enzymology</i> , 2003, 372, 65-86.	1.0	409
3	Nanodissection and high-resolution imaging of the <i>Rhodospseudomonas viridis</i> photosynthetic core complex in native membranes by AFM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1690-1693.	7.1	237
4	Bio-Beads: An Efficient Strategy for Two-Dimensional Crystallization of Membrane Proteins. <i>Journal of Structural Biology</i> , 1997, 118, 226-235.	2.8	195
5	Detergent removal by non-polar polystyrene beads. <i>European Biophysics Journal</i> , 1998, 27, 305-319.	2.2	167
6	Activity of Transmembrane Proteins Induces Magnification of Shape Fluctuations of Lipid Membranes. <i>Physical Review Letters</i> , 1999, 82, 4356-4359.	7.8	139
7	Detergent-mediated incorporation of transmembrane proteins in giant unilamellar vesicles with controlled physiological contents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7276-7281.	7.1	128
8	Structural Role of PufX in the Dimerization of the Photosynthetic Core Complex of <i>Rhodobacter sphaeroides</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 3620-3626.	3.4	116
9	High-Resolution AFM of Membrane Proteins Directly Incorporated at High Density in Planar Lipid Bilayer. <i>Biophysical Journal</i> , 2006, 91, 3268-3275.	0.5	110
10	Reconstitution of the sarcoplasmic reticulum Ca ²⁺ -ATPase: mechanisms of membrane protein insertion into liposomes during reconstitution procedures involving the use of detergents. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992, 1107, 283-298.	2.6	107
11	Watching the components of photosynthetic bacterial membranes and their in situ organisation by atomic force microscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1712, 109-127.	2.6	102
12	A New "Gel-like" Phase in Dodecyl Maltoside-Lipid Mixtures: Implications in Solubilization and Reconstitution Studies. <i>Biophysical Journal</i> , 1998, 74, 918-930.	0.5	99
13	Phospholipid vesicle solubilization and reconstitution by detergents. Symmetrical analysis of the two processes using octaethylene glycol mono-N-dodecyl ether. <i>Biochemistry</i> , 1990, 29, 9480-9488.	2.5	97
14	Smectic polymer vesicles. <i>Soft Matter</i> , 2009, 5, 3446.	2.7	90
15	AFM Characterization of Tilt and Intrinsic Flexibility of <i>Rhodobacter sphaeroides</i> Light Harvesting Complex 2 (LH2). <i>Journal of Molecular Biology</i> , 2003, 325, 569-580.	4.2	84
16	Use of detergents in two-dimensional crystallization of membrane proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1508, 112-128.	2.6	82
17	Membrane reshaping by micrometric curvature sensitive septin filaments. <i>Nature Communications</i> , 2019, 10, 420.	12.8	80
18	Two-Dimensional Crystallization on Lipid Layer: A Successful Approach for Membrane Proteins. <i>Journal of Structural Biology</i> , 1999, 127, 44-52.	2.8	79

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19	Self-Assembly of PEG- <i>b</i> -Liquid Crystal Polymer: The Role of Smectic Order in the Formation of Nanofibers. <i>Macromolecules</i> , 2007, 40, 5625-5627.	4.8	79
20	Smectic polymer micellar aggregates with temperature-controlled morphologies. <i>Soft Matter</i> , 2011, 7, 7395.	2.7	74
21	Cell-free reconstitution reveals centriole cartwheel assembly mechanisms. <i>Nature Communications</i> , 2017, 8, 14813.	12.8	74
22	Actin dynamics drive cell-like membrane deformation. <i>Nature Physics</i> , 2019, 15, 602-609.	16.7	73
23	Polymer vesicles formed by amphiphilic diblock copolymers containing a thermotropic liquid crystalline polymer block. <i>Chemical Communications</i> , 2005, , 4345.	4.1	61
24	Conformational Change Induced by ATP Binding in the Multidrug ATP-Binding Cassette Transporter BmrA. <i>Biochemistry</i> , 2008, 47, 2404-2412.	2.5	57
25	Two-dimensional crystallization of membrane proteins: the lipid layer strategy. <i>FEBS Letters</i> , 2001, 504, 187-193.	2.8	55
26	Formation of Polymer Vesicles by Liquid Crystal Amphiphilic Block Copolymers. <i>Langmuir</i> , 2006, 22, 7907-7911.	3.5	55
27	Self-assembly of liquid crystal block copolymer PEG- <i>b</i> -smectic polymer in pure state and in dilute aqueous solution. <i>Faraday Discussions</i> , 2009, 143, 235.	3.2	55
28	An Intrinsically Disordered Region in OSBP Acts as an Entropic Barrier to Control Protein Dynamics and Orientation at Membrane Contact Sites. <i>Developmental Cell</i> , 2019, 49, 220-234.e8.	7.0	50
29	Formation and material properties of giant liquid crystal polymersomes. <i>Soft Matter</i> , 2009, 5, 1870.	2.7	48
30	Activity of the purified plant ABC transporter NtPDR1 is stimulated by diterpenes and sesquiterpenes involved in constitutive and induced defenses. <i>Journal of Biological Chemistry</i> , 2017, 292, 19491-19502.	3.4	44
31	Membrane insertion of <i>Rhodospseudomonas acidophila</i> light harvesting complex 2 investigated by high resolution AFM. <i>Journal of Structural Biology</i> , 2005, 149, 79-86.	2.8	36
32	Amphiphilic Poly(ethylene oxide)- <i>b</i> -poly(butadiene- <i>g</i> -liquid crystal) Copolymers: Synthesis and Self-Assembly in Water. <i>Macromolecules</i> , 2010, 43, 10442-10451.	4.8	33
33	Optimized Purification of a Heterodimeric ABC Transporter in a Highly Stable Form Amenable to 2-D Crystallization. <i>PLoS ONE</i> , 2011, 6, e19677.	2.5	32
34	Influence of calcium on direct incorporation of membrane proteins into in-plane lipid bilayer. <i>Ultramicroscopy</i> , 2007, 107, 928-933.	1.9	31
35	Structural Basis for the PufX-Mediated Dimerization of Bacterial Photosynthetic Core Complexes. <i>Structure</i> , 2007, 15, 1674-1683.	3.3	31
36	3D Cryo-Electron Reconstruction of BmrA, a Bacterial Multidrug ABC Transporter in an Inward-Facing Conformation and in a Lipidic Environment. <i>Journal of Molecular Biology</i> , 2014, 426, 2059-2069.	4.2	30

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37	Septin-based readout of PI(4,5)P2 incorporation into membranes of giant unilamellar vesicles. <i>Cytoskeleton</i> , 2019, 76, 92-103.	2.0	30
38	Nanoscale architecture of a VAP-A-OSBP tethering complex at membrane contact sites. <i>Nature Communications</i> , 2021, 12, 3459.	12.8	29
39	Use of Octyl β -Thioglucopyranoside in Two-Dimensional Crystallization of Membrane Proteins. <i>Journal of Structural Biology</i> , 2001, 133, 64-74.	2.8	26
40	Escherichia coli fusion carrier proteins act as solubilizing agents for recombinant uncoupling protein 1 through interactions with GroEL. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 686-693.	2.1	26
41	The multidrug resistance half-transporter ABCG2 is purified as a tetramer upon selective extraction from membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 2094-2101.	2.6	24
42	Two-dimensional structures of the Shiga toxin B-subunit and of a chimera bound to the glycolipid receptor Gb3. <i>Journal of Structural Biology</i> , 2002, 139, 113-121.	2.8	20
43	An 8-Å... Projected Structure of FhuA, A "Ligand-Gated" Channel of the Escherichia coli Outer Membrane. <i>Journal of Structural Biology</i> , 1999, 126, 145-155.	2.8	19
44	Purification and biochemical characterization of NpABCG5/NpPDR5, a plant pleiotropic drug resistance transporter expressed in <i>Nicotiana tabacum</i> BY-2 suspension cells. <i>Biochemical Journal</i> , 2017, 474, 1689-1703.	3.7	18
45	Synthesis of Nickel-Chelating Fluorinated Lipids for Protein Monolayer Crystallizations. <i>Journal of Organic Chemistry</i> , 2009, 74, 1473-1479.	3.2	17
46	Influence of the passenger domain of a model autotransporter on the properties of its translocator domain. <i>Molecular Membrane Biology</i> , 2008, 25, 192-202.	2.0	15
47	Characterization of the first tetrameric transcription factor of the GntR superfamily with allosteric regulation from the bacterial pathogen <i>Agrobacterium fabrum</i> . <i>Nucleic Acids Research</i> , 2021, 49, 529-546.	14.5	15
48	Correlative AFM and fluorescence imaging demonstrate nanoscale membrane remodeling and ring-like and tubular structure formation by septins. <i>Nanoscale</i> , 2021, 13, 12484-12493.	5.6	12
49	Binding, reconstitution and 2D crystallization of membrane or soluble proteins onto functionalised lipid layer observed in situ by reflected light microscopy. <i>Journal of Structural Biology</i> , 2011, 174, 307-314.	2.8	6
50	Imaging of Transmembrane Proteins Directly Incorporated Within Supported Lipid Bilayers Using Atomic Force Microscopy. <i>Methods in Molecular Biology</i> , 2013, 950, 343-357.	0.9	4
51	Transfer on hydrophobic substrates and AFM imaging of membrane proteins reconstituted in planar lipid bilayers. <i>Journal of Molecular Recognition</i> , 2011, 24, 461-466.	2.1	3
52	Magnification of Shape Fluctuations of Active Giant Unilamellar Vesicles. <i>Perspectives in Supramolecular Chemistry</i> , 2007, , 351-359.	0.1	2