

Hagan Bayley

List of Publications by Year in descending order

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Version: 2024-02-01

310
papers

31,395
citations

3449

93
h-index

5739

167
g-index

344
all docs

344
docs citations

344
times ranked

19148
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Multivesicular Structures with Controlled Architecture from 3D-Printed Droplet Networks. <i>ChemSystemsChem</i> , 2022, 4, e2100036.	1.1	10
2	Modular Synthetic Tissues from 3D-Printed Building Blocks. <i>Advanced Functional Materials</i> , 2022, 32, 2107773.	7.8	15
3	Synthetic and Hybrid Tissues. , 2022, , 1-4.		0
4	Believe the Hype: Nanopore Proteomics Is Moving Forward. , 2022, 1, 28-29.		0
5	Reconstruction of the Gram-Negative Bacterial Outer-Membrane Bilayer. <i>Small</i> , 2022, 18, e2200007.	5.2	6
6	Parallel transmission in a synthetic nerve. <i>Nature Chemistry</i> , 2022, 14, 650-657.	6.6	20
7	Bioengineered Gastrointestinal Tissues with Fibroblast-Induced Shapes. <i>Advanced Functional Materials</i> , 2021, 31, 2007514.	7.8	5
8	Droplet printing reveals the importance of micron-scale structure for bacterial ecology. <i>Nature Communications</i> , 2021, 12, 857.	5.8	48
9	Bioengineered Gastrointestinal Tissue: Bioengineered Gastrointestinal Tissues with Fibroblast-Induced Shapes (<i>Adv. Funct. Mater.</i> 6/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170036.	7.8	0
10	Constructing ion channels from water-soluble α -helical barrels. <i>Nature Chemistry</i> , 2021, 13, 643-650.	6.6	59
11	Enzymeless DNA Base Identification by Chemical Stepping in a Nanopore. <i>Journal of the American Chemical Society</i> , 2021, 143, 18181-18187.	6.6	17
12	Determining the Orientation of Porins in Planar Lipid Bilayers. <i>Methods in Molecular Biology</i> , 2021, 2186, 51-62.	0.4	0
13	Nanopore Enzymology to Study Protein Kinases and Their Inhibition by Small Molecules. <i>Methods in Molecular Biology</i> , 2021, 2186, 95-114.	0.4	0
14	A Lipid-Based Droplet Processor for Parallel Chemical Signals. <i>ACS Nano</i> , 2021, 15, 20214-20224.	7.3	15
15	3D Bioprinting: Lipid-Bilayer-Supported 3D Printing of Human Cerebral Cortex Cells Reveals Developmental Interactions (<i>Adv. Mater.</i> 31/2020). <i>Advanced Materials</i> , 2020, 32, 2070235.	11.1	0
16	Titelbild: Single-Molecule Observation of Intermediates in Bioorthogonal 2-Cyanobenzothiazole Chemistry (<i>Angew. Chem.</i> 36/2020). <i>Angewandte Chemie</i> , 2020, 132, 15381-15381.	1.6	0
17	Single-Molecule Observation of Intermediates in Bioorthogonal 2-Cyanobenzothiazole Chemistry. <i>Angewandte Chemie</i> , 2020, 132, 15841-15846.	1.6	3
18	Controlled packing and single-droplet resolution of 3D-printed functional synthetic tissues. <i>Nature Communications</i> , 2020, 11, 2105.	5.8	64

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19	Direct detection of molecular intermediates from first-passage times. <i>Science Advances</i> , 2020, 6, eaaz4642.	4.7	26
20	Bifurcated binding of the OmpF receptor underpins import of the bacteriocin colicin N into <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 9147-9156.	1.6	16
21	Lipid-Bilayer-Supported 3D Printing of Human Cerebral Cortex Cells Reveals Developmental Interactions. <i>Advanced Materials</i> , 2020, 32, e2002183.	11.1	40
22	Multi-responsive hydrogel structures from patterned droplet networks. <i>Nature Chemistry</i> , 2020, 12, 363-371.	6.6	148
23	Transmembrane Epitope Delivery by Passive Protein Threading through the Pores of the OmpF Porin Trimer. <i>Journal of the American Chemical Society</i> , 2020, 142, 12157-12166.	6.6	8
24	Single-Molecule Observation of Intermediates in Bioorthogonal 2-Cyanobenzothiazole Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15711-15716.	7.2	17
25	Transmembrane protein rotaxanes reveal kinetic traps in the refolding of translocated substrates. <i>Communications Biology</i> , 2020, 3, 159.	2.0	12
26	Free-energy landscapes of membrane co-translocational protein unfolding. <i>Communications Biology</i> , 2020, 3, 160.	2.0	13
27	Droplet Networks, from Lipid Bilayers to Synthetic Tissues. , 2019, , 1-13.		2
28	Redirecting Pore Assembly of Staphylococcal β -Hemolysin by Protein Engineering. <i>ACS Central Science</i> , 2019, 5, 629-639.	5.3	14
29	Single-Molecule Kinetics of Growth and Degradation of Cell-Penetrating Poly(disulfide)s. <i>Journal of the American Chemical Society</i> , 2019, 141, 12444-12447.	6.6	41
30	Controlled deprotection and release of a small molecule from a compartmented synthetic tissue module. <i>Communications Chemistry</i> , 2019, 2, .	2.0	23
31	Catalytic site-selective substrate processing within a tubular nanoreactor. <i>Nature Nanotechnology</i> , 2019, 14, 1135-1142.	15.6	30
32	Single-Molecule Protein Phosphorylation and Dephosphorylation by Nanopore Enzymology. <i>ACS Nano</i> , 2019, 13, 633-641.	7.3	44
33	Synthetic tissues. <i>Emerging Topics in Life Sciences</i> , 2019, 3, 615-622.	1.1	28
34	Building blocks for cells and tissues: Beyond a game. <i>Emerging Topics in Life Sciences</i> , 2019, 3, 433-434.	1.1	4
35	Single-Molecule Determination of the Isomers of α -Glucose and α -Fructose that Bind to Boronic Acids. <i>Angewandte Chemie</i> , 2018, 130, 2891-2895.	1.6	12
36	Single-Molecule Determination of the Isomers of α -Glucose and α -Fructose that Bind to Boronic Acids. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2841-2845.	7.2	70

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37	Bioorthogonal Cycloadditions with Submillisecond Intermediates. <i>Angewandte Chemie</i> , 2018, 130, 1232-1235.	1.6	8
38	Bioorthogonal Cycloadditions with Submillisecond Intermediates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1218-1221.	7.2	26
39	Single-Molecule Observation of the Intermediates in a Catalytic Cycle. <i>Journal of the American Chemical Society</i> , 2018, 140, 17538-17546.	6.6	26
40	Directional control of a processive molecular hopper. <i>Science</i> , 2018, 361, 908-912.	6.0	69
41	DNA scaffolds support stable and uniform peptide nanopores. <i>Nature Nanotechnology</i> , 2018, 13, 739-745.	15.6	65
42	Directional Porin Binding of Intrinsically Disordered Protein Sequences Promotes Colicin Epitope Display in the Bacterial Periplasm. <i>Biochemistry</i> , 2018, 57, 4374-4381.	1.2	12
43	Lipid binding attenuates channel closure of the outer membrane protein OmpF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6691-6696.	3.3	39
44	Orientation of the OmpF Porin in Planar Lipid Bilayers. <i>ChemBioChem</i> , 2017, 18, 554-562.	1.3	20
45	Light-Patterned Current Generation in a Droplet Bilayer Array. <i>Scientific Reports</i> , 2017, 7, 46585.	1.6	23
46	Multi-compartment encapsulation of communicating droplets and droplet networks in hydrogel as a model for artificial cells. <i>Scientific Reports</i> , 2017, 7, 45167.	1.6	66
47	Getting to the bottom of the well. <i>Nature Nanotechnology</i> , 2017, 12, 1116-1117.	15.6	8
48	Light-patterning of synthetic tissues with single droplet resolution. <i>Scientific Reports</i> , 2017, 7, 9315.	1.6	58
49	Functional aqueous droplet networks. <i>Molecular BioSystems</i> , 2017, 13, 1658-1691.	2.9	56
50	Gel Microrods for 3D Tissue Printing. <i>Advanced Biology</i> , 2017, 1, e1700075.	3.0	31
51	High-Resolution Patterned Cellular Constructs by Droplet-Based 3D Printing. <i>Scientific Reports</i> , 2017, 7, 7004.	1.6	154
52	Membrane pores: from structure and assembly, to medicine and technology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160208.	1.8	12
53	A monodisperse transmembrane α -helical peptide barrel. <i>Nature Chemistry</i> , 2017, 9, 411-419.	6.6	97
54	Strategies in the Design and Use of Synthetic Internal Glycan Vaccines. <i>Methods in Enzymology</i> , 2017, 597, 335-357.	0.4	0

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55	A new class of hybrid secretion system is employed in <i>Pseudomonas amyloid</i> biogenesis. <i>Nature Communications</i> , 2017, 8, 263.	5.8	56
56	Light-activated communication in synthetic tissues. <i>Science Advances</i> , 2016, 2, e1600056.	4.7	173
57	Chemical polyglycosylation and nanolitre detection enables single-molecule recapitulation of bacterial sugar export. <i>Nature Chemistry</i> , 2016, 8, 461-469.	6.6	26
58	Engineered transmembrane pores. <i>Current Opinion in Chemical Biology</i> , 2016, 34, 117-126.	2.8	95
59	Semisynthetic Nanoreactor for Reversible Single-Molecule Covalent Chemistry. <i>ACS Nano</i> , 2016, 10, 8843-8850.	7.3	20
60	New technologies for DNA analysis – a review of the READNA Project. <i>New Biotechnology</i> , 2016, 33, 311-330.	2.4	10
61	3D-printed synthetic tissues. <i>Biochemist</i> , 2016, 38, 16-19.	0.2	4
62	Innentitelbild: Pim Kinase Inhibitors Evaluated with a Single-Molecule Engineered Nanopore Sensor (<i>Angew. Chem.</i> 28/2015). <i>Angewandte Chemie</i> , 2015, 127, 8114-8114.	1.6	0
63	Polymers through Protein Pores: Single-Molecule Experiments with Nucleic Acids, Polypeptides and Polysaccharides. <i>Biophysical Journal</i> , 2015, 108, 489a.	0.2	0
64	Pim Kinase Inhibitors Evaluated with a Single-Molecule Engineered Nanopore Sensor. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8154-8159.	7.2	26
65	Pim Kinase Inhibitors Evaluated with a Single-Molecule Engineered Nanopore Sensor. <i>Angewandte Chemie</i> , 2015, 127, 8272-8277.	1.6	7
66	The role of lipids in mechanosensation. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 991-998.	3.6	160
67	Nucleobase Recognition by Truncated α -Hemolysin Pores. <i>ACS Nano</i> , 2015, 9, 7895-7903.	7.3	40
68	DNA stretching and optimization of nucleobase recognition in enzymatic nanopore sequencing. <i>Nanotechnology</i> , 2015, 26, 084002.	1.3	22
69	Semisynthetic protein nanoreactor for single-molecule chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13768-13773.	3.3	55
70	High-throughput optical sensing of nucleic acids in a nanopore array. <i>Nature Nanotechnology</i> , 2015, 10, 986-991.	15.6	132
71	Electro-Wetting of a Hydrophobic Gate in a Biomimetic Nanopore. <i>Biophysical Journal</i> , 2015, 108, 186a.	0.2	0
72	Nanopore Sequencing: From Imagination to Reality. <i>Clinical Chemistry</i> , 2015, 61, 25-31.	1.5	200

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73	Continuous observation of the stochastic motion of an individual small-molecule walker. <i>Nature Nanotechnology</i> , 2015, 10, 76-83.	15.6	50
74	A droplet microfluidic system for sequential generation of lipid bilayers and transmembrane electrical recordings. <i>Lab on A Chip</i> , 2015, 15, 541-548.	3.1	43
75	Protein co-translocational unfolding depends on the direction of pulling. <i>Nature Communications</i> , 2014, 5, 4841.	5.8	62
76	Functional truncated membrane pores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2425-2430.	3.3	65
77	Single-molecule site-specific detection of protein phosphorylation with a nanopore. <i>Nature Biotechnology</i> , 2014, 32, 179-181.	9.4	229
78	Detection of 3'-End RNA Uridylation with a Protein Nanopore. <i>ACS Nano</i> , 2014, 8, 1364-1374.	7.3	32
79	Electrostatically Enhanced Association of a Pim Kinase Substrate Revealed by Stochastic Detection. <i>Biophysical Journal</i> , 2014, 106, 18a.	0.2	0
80	Designing a Hydrophobic Barrier within Biomimetic Nanopores. <i>ACS Nano</i> , 2014, 8, 11268-11279.	7.3	43
81	Single-molecule analysis of chirality in a multicomponent reaction network. <i>Nature Chemistry</i> , 2014, 6, 603-607.	6.6	52
82	Construction and Manipulation of Functional Three-Dimensional Droplet Networks. <i>ACS Nano</i> , 2014, 8, 771-779.	7.3	52
83	Designing Hydrophobic Gates into Biomimetic Nanopores. <i>Biophysical Journal</i> , 2014, 106, 211a.	0.2	0
84	Porphyryns for Probing Electrical Potential Across Lipid Bilayer Membranes by Second Harmonic Generation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9044-9048.	7.2	35
85	Single-molecule interrogation of a bacterial sugar transporter allows the discovery of an extracellular inhibitor. <i>Nature Chemistry</i> , 2013, 5, 651-659.	6.6	42
86	An engineered dimeric protein pore that spans adjacent lipid bilayers. <i>Nature Communications</i> , 2013, 4, 1725.	5.8	44
87	Stochastic detection of Pim protein kinases reveals electrostatically enhanced association of a peptide substrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4417-26.	3.3	49
88	Nanopore-Based Identification of Individual Nucleotides for Direct RNA Sequencing. <i>Nano Letters</i> , 2013, 13, 6144-6150.	4.5	103
89	Engineering a Biomimetic Biological Nanopore to Selectively Capture Folded Target Proteins. <i>Biophysical Journal</i> , 2013, 104, 518a.	0.2	0
90	Simulations and Modelling of Biomimetic Nanopores. <i>Biophysical Journal</i> , 2013, 104, 527a.	0.2	0

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91	Rates and Stoichiometries of Metal Ion Probes of Cysteine Residues within Ion Channels. <i>Biophysical Journal</i> , 2013, 105, 356-364.	0.2	21
92	Multistep protein unfolding during nanopore translocation. <i>Nature Nanotechnology</i> , 2013, 8, 288-295.	15.6	275
93	Single-Molecule Detection of 5-Hydroxymethylcytosine in DNA through Chemical Modification and Nanopore Analysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4350-4355.	7.2	60
94	A Tissue-Like Printed Material. <i>Science</i> , 2013, 340, 48-52.	6.0	516
95	Translocating Kilobase RNA through the Staphylococcal α -Hemolysin Nanopore. <i>Nano Letters</i> , 2013, 13, 2500-2505.	4.5	49
96	Intrinsically Disordered Protein Threads Through the Bacterial Outer-Membrane Porin OmpF. <i>Science</i> , 2013, 340, 1570-1574.	6.0	109
97	Functional Droplet Interface Bilayers. , 2013, , 861-868.		1
98	Tetrameric assembly of KvLm K^+ channels with defined numbers of voltage sensors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16917-16922.	3.3	14
99	Individual RNA Base Recognition in Immobilized Oligonucleotides Using a Protein Nanopore. <i>Nano Letters</i> , 2012, 12, 5637-5643.	4.5	65
100	Probing the Orientational Distribution of Dyes in Membranes through Multiphoton Microscopy. <i>Biophysical Journal</i> , 2012, 103, 907-917.	0.2	30
101	Single Molecule RNA Base Identification with a Biological Nanopore. <i>Biophysical Journal</i> , 2012, 102, 429a.	0.2	5
102	Are we there yet?. <i>Physics of Life Reviews</i> , 2012, 9, 161-163.	1.5	9
103	Voltage-Dependent Gating of the K^+ Channel KvLm Explored through Heterotetramers. <i>Biophysical Journal</i> , 2012, 102, 531a.	0.2	0
104	Real-Time Stochastic Detection of Multiple Neurotransmitters with a Protein Nanopore. <i>ACS Nano</i> , 2012, 6, 5304-5308.	7.3	64
105	Nucleobase recognition at alkaline pH and apparent pK_a of single DNA bases immobilised within a biological nanopore. <i>Chemical Communications</i> , 2012, 48, 1520-1522.	2.2	24
106	Lipid-coated hydrogel shapes as components of electrical circuits and mechanical devices. <i>Scientific Reports</i> , 2012, 2, 848.	1.6	37
107	Protein Detection by Nanopores Equipped with Aptamers. <i>Journal of the American Chemical Society</i> , 2012, 134, 2781-2787.	6.6	284
108	Continuous Stochastic Detection of Amino Acid Enantiomers with a Protein Nanopore. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9606-9609.	7.2	82

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109	Rapid Assembly of a Multimeric Membrane Protein Pore Observed by Single Molecule Fluorescence. <i>Biophysical Journal</i> , 2012, 102, 262a.	0.2	0
110	An Engineered ClyA Nanopore Detects Folded Target Proteins by Selective External Association and Pore Entry. <i>Nano Letters</i> , 2012, 12, 4895-4900.	4.5	183
111	Single-Molecule Nitrosothiol Chemistry at the Single-Molecule Level. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7972-7976.	7.2	18
112	Permeation of Styryl Dyes through Nanometer-Scale Pores in Membranes. <i>Biochemistry</i> , 2011, 50, 7493-7502.	1.2	19
113	Controlled Translocation of Individual DNA Molecules through Protein Nanopores with Engineered Molecular Brakes. <i>Nano Letters</i> , 2011, 11, 746-750.	4.5	116
114	Three-Dimensional Construction of Bilayer Networks using Shape Encoded Hydrogel. <i>Biophysical Journal</i> , 2011, 100, 502a.	0.2	0
115	Hybrid Biological/Solid-State Nanopores. <i>Biophysical Journal</i> , 2011, 100, 168a.	0.2	1
116	Rapid Assembly of a Multimeric Membrane Protein Pore. <i>Biophysical Journal</i> , 2011, 101, 2679-2683.	0.2	75
117	Formation of droplet networks that function in aqueous environments. <i>Nature Nanotechnology</i> , 2011, 6, 803-808.	15.6	185
118	Molecular Dynamics Simulations of DNA within a Nanopore: Arginine-Phosphate Tethering and a Binding/Sliding Mechanism for Translocation. <i>Biochemistry</i> , 2011, 50, 3777-3783.	1.2	26
119	Fluorinated Amphiphiles Control the Insertion of β -Hemolysin Pores into Lipid Bilayers. <i>Biochemistry</i> , 2011, 50, 1599-1606.	1.2	21
120	Tuning the Cavity of Cyclodextrins: Altered Sugar Adaptors in Protein Pores. <i>Journal of the American Chemical Society</i> , 2011, 133, 1987-2001.	6.6	42
121	Altered Antibiotic Transport in OmpC Mutants Isolated from a Series of Clinical Strains of Multi-Drug Resistant <i>E. coli</i> . <i>PLoS ONE</i> , 2011, 6, e25825.	1.1	98
122	Subunit Dimers of β -Hemolysin Expand the Engineering Toolbox for Protein Nanopores. <i>Journal of Biological Chemistry</i> , 2011, 286, 14324-14334.	1.6	18
123	Single-Molecule Kinetics of Two-Step Divalent Cation Chelation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5085-5090.	7.2	41
124	Multiple Base Recognition Sites in a Biological Nanopore: Two Heads are Better than One. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 556-559.	7.2	100
125	Holes with an edge. <i>Nature</i> , 2010, 467, 164-165.	13.7	58

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127	A primary hydrogenâ€“deuterium isotope effect observed at the single-molecule level. <i>Nature Chemistry</i> , 2010, 2, 921-928.	6.6	70
128	Hybrid pore formation by directed insertion of Î±-haemolysin into solid-state nanopores. <i>Nature Nanotechnology</i> , 2010, 5, 874-877.	15.6	261
129	Inactivation of the KcsA potassium channel explored with heterotetramers. <i>Journal of General Physiology</i> , 2010, 135, 29-42.	0.9	22
130	Structural Analysis of Heptameric Alpha-Hemolysin under Extreme Conditions that Facilitate Nucleic Acid Translocation. <i>Biophysical Journal</i> , 2010, 98, 647a.	0.2	0
131	Analysis of Single Nucleic Acid Molecules with Protein Nanopores. <i>Methods in Enzymology</i> , 2010, 475, 591-623.	0.4	103
132	The KvLm Potassium Channel in Asymmetric Bilayer. <i>Biophysical Journal</i> , 2010, 98, 1a.	0.2	0
133	Urea Facilitates the Translocation of Single-Stranded DNA and RNA Through the Î±-Hemolysin Nanopore. <i>Biophysical Journal</i> , 2010, 98, 44a.	0.2	0
134	Urea Facilitates the Translocation of Single-Stranded DNA and RNA Through the Î±-Hemolysin Nanopore. <i>Biophysical Journal</i> , 2010, 98, 1856-1863.	0.2	43
135	Molecular bases of cyclodextrin adapter interactions with engineered protein nanopores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8165-8170.	3.3	108
136	Nucleobase Recognition in ssDNA at the Central Constriction of the Î±-Hemolysin Pore. <i>Nano Letters</i> , 2010, 10, 3633-3637.	4.5	91
137	Identification of epigenetic DNA modifications with a protein nanopore. <i>Chemical Communications</i> , 2010, 46, 8195.	2.2	161
138	Single-nucleotide discrimination in immobilized DNA oligonucleotides with a biological nanopore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7702-7707.	3.3	411
139	Elimination of a bacterial poreâ€“forming toxin by sequential endocytosis and exocytosis. <i>FEBS Letters</i> , 2009, 583, 337-344.	1.3	141
140	Piercing insights. <i>Nature</i> , 2009, 459, 651-652.	13.7	60
141	Continuous base identification for single-molecule nanopore DNA sequencing. <i>Nature Nanotechnology</i> , 2009, 4, 265-270.	15.6	1,507
142	Droplet networks with incorporated protein diodes show collective properties. <i>Nature Nanotechnology</i> , 2009, 4, 437-440.	15.6	210
143	Properties of <i>Bacillus cereus</i> hemolysin II: A heptameric transmembrane pore. <i>Protein Science</i> , 2009, 11, 1813-1824.	3.1	62
144	Simultaneous Measurement of Ionic Current and Fluorescence from Single Protein Pores. <i>Journal of the American Chemical Society</i> , 2009, 131, 1652-1653.	6.6	118

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145	DNA Strands from Denatured Duplexes are Translocated through Engineered Protein Nanopores at Alkaline pH. <i>Nano Letters</i> , 2009, 9, 3831-3836.	4.5	43
146	Wrestling with Native Chemical Ligation. <i>ACS Chemical Biology</i> , 2009, 4, 983-985.	1.6	9
147	Simultaneous Measurement Of Ionic Current And Fluorescence From Single Protein Pores. <i>Biophysical Journal</i> , 2009, 96, 28a.	0.2	0
148	Electrical Communication In Droplet Interface Bilayers Networks. <i>Biophysical Journal</i> , 2009, 96, 544a.	0.2	2
149	Building And Controlling Networks Of Droplet Interface Bilayers. <i>Biophysical Journal</i> , 2009, 96, 214a.	0.2	0
150	The potential and challenges of nanopore sequencing. , 2009, , 261-268.		23
151	Peptide Backbone Mutagenesis of Putative Gating Hinges in a Potassium Ion Channel. <i>ChemBioChem</i> , 2008, 9, 1725-1728.	1.3	5
152	Orientation of the Monomeric Porin OmpG in Planar Lipid Bilayers. <i>ChemBioChem</i> , 2008, 9, 3029-3036.	1.3	24
153	The potential and challenges of nanopore sequencing. <i>Nature Biotechnology</i> , 2008, 26, 1146-1153.	9.4	2,201
154	Single-Molecule Detection of Nitrogen Mustards by Covalent Reaction within a Protein Nanopore. <i>Journal of the American Chemical Society</i> , 2008, 130, 6813-6819.	6.6	103
155	Droplet interface bilayers. <i>Molecular BioSystems</i> , 2008, 4, 1191.	2.9	411
156	Asymmetric Droplet Interface Bilayers. <i>Journal of the American Chemical Society</i> , 2008, 130, 5878-5879.	6.6	195
157	Screening Blockers Against a Potassium Channel with a Droplet Interface Bilayer Array. <i>Journal of the American Chemical Society</i> , 2008, 130, 15543-15548.	6.6	139
158	Enhanced translocation of single DNA molecules through α -hemolysin nanopores by manipulation of internal charge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19720-19725.	3.3	241
159	Outer membrane protein G: Engineering a quiet pore for biosensing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6272-6277.	3.3	160
160	Single-Molecule Covalent Chemistry in a Protein Nanoreactor. <i>Springer Series in Biophysics</i> , 2008, , 251-277.	0.4	48
161	Functional Bionetworks from Nanoliter Water Droplets. <i>Journal of the American Chemical Society</i> , 2007, 129, 8650-8655.	6.6	346
162	Protein Nanopores with Covalently Attached Molecular Adapters. <i>Journal of the American Chemical Society</i> , 2007, 129, 16142-16148.	6.6	112

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163	Catalyzing the Translocation of Polypeptides through Attractive Interactions. <i>Journal of the American Chemical Society</i> , 2007, 129, 14034-14041.	6.6	129
164	A Storable Encapsulated Bilayer Chip Containing a Single Protein Nanopore. <i>Journal of the American Chemical Society</i> , 2007, 129, 4701-4705.	6.6	132
165	Electrical Behavior of Droplet Interface Bilayer Networks: Experimental Analysis and Modeling. <i>Journal of the American Chemical Society</i> , 2007, 129, 11854-11864.	6.6	98
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