

Hagan Bayley

List of Publications by Year in descending order

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310
papers

31,395
citations

2970

93
h-index

4988

167
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344
all docs

344
docs citations

344
times ranked

16839
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Multivesicular Structures with Controlled Architecture from 3D-Printed Droplet Networks. ChemSystemsChem, 2022, 4, e2100036.	1.1	10
2	Modular Synthetic Tissues from 3D-Printed Building Blocks. Advanced Functional Materials, 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. Small, 2022, 18, e2200007.	5.2	6
6	Parallel transmission in a synthetic nerve. Nature Chemistry, 2022, 14, 650-657.	6.6	20
7	Bioengineered Gastrointestinal Tissues with Fibroblast-Induced Shapes. Advanced Functional Materials, 2021, 31, 2007514.	7.8	5
8	Droplet printing reveals the importance of micron-scale structure for bacterial ecology. Nature Communications, 2021, 12, 857.	5.8	48
9	Bioengineered Gastrointestinal Tissue: Bioengineered Gastrointestinal Tissues with Fibroblast-Induced Shapes (Adv. Funct. Mater. 6/2021). Advanced Functional Materials, 2021, 31, 2170036.	7.8	0
10	Constructing ion channels from water-soluble α -helical barrels. Nature Chemistry, 2021, 13, 643-650.	6.6	59
11	Enzymeless DNA Base Identification by Chemical Stepping in a Nanopore. Journal of the American Chemical Society, 2021, 143, 18181-18187.	6.6	17
12	Determining the Orientation of Porins in Planar Lipid Bilayers. Methods in Molecular Biology, 2021, 2186, 51-62.	0.4	0
13	Nanopore Enzymology to Study Protein Kinases and Their Inhibition by Small Molecules. Methods in Molecular Biology, 2021, 2186, 95-114.	0.4	0
14	A Lipid-Based Droplet Processor for Parallel Chemical Signals. ACS Nano, 2021, 15, 20214-20224.	7.3	15
15	3D Bioprinting: Lipid-Bilayer-Supported 3D Printing of Human Cerebral Cortex Cells Reveals Developmental Interactions (Adv. Mater. 31/2020). Advanced Materials, 2020, 32, 2070235.	11.1	0
16	Titelbild: Single-Molecule Observation of Intermediates in Bioorthogonal 2-Cyanobenzothiazole Chemistry (Angew. Chem. 36/2020). Angewandte Chemie, 2020, 132, 15381-15381.	1.6	0
17	Single-Molecule Observation of Intermediates in Bioorthogonal 2-Cyanobenzothiazole Chemistry. Angewandte Chemie, 2020, 132, 15841-15846.	1.6	3
18	Controlled packing and single-droplet resolution of 3D-printed functional synthetic tissues. Nature Communications, 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 α -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 Sub- μ Millisecond Intermediates. <i>Angewandte Chemie</i> , 2018, 130, 1232-1235.	1.6	8
38	Bioorthogonal Cycloadditions with Sub- μ Millisecond 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 α -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</i> amyloid 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	Porphyrins 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. Biophysical Journal, 2013, 105, 356-364.	0.2	21
92	Multistep protein unfolding during nanopore translocation. Nature Nanotechnology, 2013, 8, 288-295.	15.6	275
93	Single-Molecule Detection of 5-Hydroxymethylcytosine in DNA through Chemical Modification and Nanopore Analysis. Angewandte Chemie - International Edition, 2013, 52, 4350-4355.	7.2	60
94	A Tissue-Like Printed Material. Science, 2013, 340, 48-52.	6.0	516
95	Translocating Kilobase RNA through the Staphylococcal α -Hemolysin Nanopore. Nano Letters, 2013, 13, 2500-2505.	4.5	49
96	Intrinsically Disordered Protein Threads Through the Bacterial Outer-Membrane Porin OmpF. Science, 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. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16917-16922.	3.3	14
99	Individual RNA Base Recognition in Immobilized Oligonucleotides Using a Protein Nanopore. Nano Letters, 2012, 12, 5637-5643.	4.5	65
100	Probing the Orientational Distribution of Dyes in Membranes through Multiphoton Microscopy. Biophysical Journal, 2012, 103, 907-917.	0.2	30
101	Single Molecule RNA Base Identification with a Biological Nanopore. Biophysical Journal, 2012, 102, 429a.	0.2	5
102	Are we there yet?. Physics of Life Reviews, 2012, 9, 161-163.	1.5	9
103	Voltage-Dependent Gating of the K^{+} Channel KvLm Explored through Heterotetramers. Biophysical Journal, 2012, 102, 531a.	0.2	0
104	Real-Time Stochastic Detection of Multiple Neurotransmitters with a Protein Nanopore. ACS Nano, 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. Chemical Communications, 2012, 48, 1520-1522.	2.2	24
106	Lipid-coated hydrogel shapes as components of electrical circuits and mechanical devices. Scientific Reports, 2012, 2, 848.	1.6	37
107	Protein Detection by Nanopores Equipped with Aptamers. Journal of the American Chemical Society, 2012, 134, 2781-2787.	6.6	284
108	Continuous Stochastic Detection of Amino Acid Enantiomers with a Protein Nanopore. Angewandte Chemie - International Edition, 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. Biophysical Journal, 2012, 102, 262a.	0.2	0
110	An Engineered ClyA Nanopore Detects Folded Target Proteins by Selective External Association and Pore Entry. Nano Letters, 2012, 12, 4895-4900.	4.5	183
111	<i>S</i> -Nitrosothiol Chemistry at the Single-Molecule Level. Angewandte Chemie - International Edition, 2012, 51, 7972-7976.	7.2	18
112	Permeation of Styryl Dyes through Nanometer-Scale Pores in Membranes. Biochemistry, 2011, 50, 7493-7502.	1.2	19
113	Controlled Translocation of Individual DNA Molecules through Protein Nanopores with Engineered Molecular Brakes. Nano Letters, 2011, 11, 746-750.	4.5	116
114	Three-Dimensional Construction of Bilayer Networks using Shape Encoded Hydrogel. Biophysical Journal, 2011, 100, 502a.	0.2	0
115	Hybrid Biological/Solid-State Nanopores. Biophysical Journal, 2011, 100, 168a.	0.2	1
116	Rapid Assembly of a Multimeric Membrane Protein Pore. Biophysical Journal, 2011, 101, 2679-2683.	0.2	75
117	Formation of droplet networks that function in aqueous environments. Nature Nanotechnology, 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. Biochemistry, 2011, 50, 3777-3783.	1.2	26
119	Fluorinated Amphiphiles Control the Insertion of α -Hemolysin Pores into Lipid Bilayers. Biochemistry, 2011, 50, 1599-1606.	1.2	21
120	Tuning the Cavity of Cyclodextrins: Altered Sugar Adaptors in Protein Pores. Journal of the American Chemical Society, 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 E. coli. PLoS ONE, 2011, 6, e25825.	1.1	98
122	Subunit Dimers of α -Hemolysin Expand the Engineering Toolbox for Protein Nanopores. Journal of Biological Chemistry, 2011, 286, 14324-14334.	1.6	18
123	α , β , γ Cyclodextrin-Modified DNA Nanopores for Single-Molecule Studies. Nature Digest, 2010, 7, 32-34.	0.0	0
124	Multiple Base-Pair Recognition Sites in a Biological Nanopore: Two Heads are Better than One. Angewandte Chemie - International Edition, 2010, 49, 556-559.	7.2	100
125	Single-Molecule Kinetics of Two-Step Divalent Cation Chelation. Angewandte Chemie - International Edition, 2010, 49, 5085-5090.	7.2	41
126	Holes with an edge. Nature, 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. Nano Letters, 2009, 9, 3831-3836.	4.5	43
146	Wrestling with Native Chemical Ligation. ACS Chemical Biology, 2009, 4, 983-985.	1.6	9
147	Simultaneous Measurement Of Ionic Current And Fluorescence From Single Protein Pores. Biophysical Journal, 2009, 96, 28a.	0.2	0
148	Electrical Communication In Droplet Interface Bilayers Networks. Biophysical Journal, 2009, 96, 544a.	0.2	2
149	Building And Controlling Networks Of Droplet Interface Bilayers. Biophysical Journal, 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. ChemBioChem, 2008, 9, 1725-1728.	1.3	5
152	Orientation of the Monomeric Porin OmpG in Planar Lipid Bilayers. ChemBioChem, 2008, 9, 3029-3036.	1.3	24
153	The potential and challenges of nanopore sequencing. Nature Biotechnology, 2008, 26, 1146-1153.	9.4	2,201
154	Single-Molecule Detection of Nitrogen Mustards by Covalent Reaction within a Protein Nanopore. Journal of the American Chemical Society, 2008, 130, 6813-6819.	6.6	103
155	Droplet interface bilayers. Molecular BioSystems, 2008, 4, 1191.	2.9	411
156	Asymmetric Droplet Interface Bilayers. Journal of the American Chemical Society, 2008, 130, 5878-5879.	6.6	195
157	Screening Blockers Against a Potassium Channel with a Droplet Interface Bilayer Array. Journal of the American Chemical Society, 2008, 130, 15543-15548.	6.6	139
158	Enhanced translocation of single DNA molecules through α -hemolysin nanopores by manipulation of internal charge. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19720-19725.	3.3	241
159	Outer membrane protein G: Engineering a quiet pore for biosensing. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6272-6277.	3.3	160
160	Single-Molecule Covalent Chemistry in a Protein Nanoreactor. Springer Series in Biophysics, 2008, , 251-277.	0.4	48
161	Functional Bionetworks from Nanoliter Water Droplets. Journal of the American Chemical Society, 2007, 129, 8650-8655.	6.6	346
162	Protein Nanopores with Covalently Attached Molecular Adapters. Journal of the American Chemical Society, 2007, 129, 16142-16148.	6.6	112

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163	Catalyzing the Translocation of Polypeptides through Attractive Interactions. Journal of the American Chemical Society, 2007, 129, 14034-14041.	6.6	129
164	A Storable Encapsulated Bilayer Chip Containing a Single Protein Nanopore. Journal of the American Chemical Society, 2007, 129, 4701-4705.	6.6	132
165	Electrical Behavior of Droplet Interface Bilayer Networks: Experimental Analysis and Modeling. Journal of the American Chemical Society, 2007, 129, 11854-11864.	6.6	98
166	Membrane Protein Stoichiometry Determined from the Step-Wise Photobleaching of Dye-Labelled Subunits. ChemBioChem, 2007, 8, 994-999.	1.3	111
167	Formation of a Chiral Center and Pyrimidal Inversion at the Single-Molecule Level. Angewandte Chemie - International Edition, 2007, 46, 7412-7416.	7.2	27
168	Stochastic Detection of Motor Protein-RNA Complexes by Single-Channel Current Recording. ChemPhysChem, 2007, 8, 2189-2194.	1.0	34
169	Stochastic Detection of Enantiomers. Journal of the American Chemical Society, 2006, 128, 10684-10685.	6.6	143
170	Toward Single Molecule DNA Sequencing: A Direct Identification of Ribonucleoside and Deoxyribonucleoside 5'-Monophosphates by Using an Engineered Protein Nanopore Equipped with a Molecular Adapter. Journal of the American Chemical Society, 2006, 128, 1705-1710.	6.6	298
171	Ion channels get flashy. Nature Chemical Biology, 2006, 2, 11-13.	3.9	12
172	Direct transfer of membrane proteins from bacteria to planar bilayers for rapid screening by single-channel recording. Nature Chemical Biology, 2006, 2, 314-318.	3.9	51
173	Sequencing single molecules of DNA. Current Opinion in Chemical Biology, 2006, 10, 628-637.	2.8	155
174	A Genetically Encoded Pore for the Stochastic Detection of a Protein Kinase. ChemBioChem, 2006, 7, 1923-1927.	1.3	52
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