

Hagan Bayley

List of Publications by Year in descending order

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310
papers

31,395
citations

2975

93
h-index

4991

167
g-index

344
all docs

344
docs citations

344
times ranked

16839
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of Staphylococcal α -Hemolysin, a Heptameric Transmembrane Pore. <i>Science</i> , 1996, 274, 1859-1865.	12.6	2,237
2	The potential and challenges of nanopore sequencing. <i>Nature Biotechnology</i> , 2008, 26, 1146-1153.	17.5	2,201
3	Continuous base identification for single-molecule nanopore DNA sequencing. <i>Nature Nanotechnology</i> , 2009, 4, 265-270.	31.5	1,507
4	Stochastic sensors inspired by biology. <i>Nature</i> , 2001, 413, 226-230.	27.8	1,046
5	Sequence-specific detection of individual DNA strands using engineered nanopores. <i>Nature Biotechnology</i> , 2001, 19, 636-639.	17.5	689
6	Stochastic sensing of organic analytes by a pore-forming protein containing a molecular adapter. <i>Nature</i> , 1999, 398, 686-690.	27.8	679
7	A Tissue-Like Printed Material. <i>Science</i> , 2013, 340, 48-52.	12.6	516
8	Resistive-Pulse Sensing From Microbes to Molecules. <i>Chemical Reviews</i> , 2000, 100, 2575-2594.	47.7	491
9	Intracellular trehalose improves the survival of cryopreserved mammalian cells. <i>Nature Biotechnology</i> , 2000, 18, 163-167.	17.5	475
10	[8] Photoaffinity labeling. <i>Methods in Enzymology</i> , 1977, 46, 69-114.	1.0	463
11	Droplet interface bilayers. <i>Molecular BioSystems</i> , 2008, 4, 1191.	2.9	411
12	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.	7.1	411
13	Functional Bionetworks from Nanoliter Water Droplets. <i>Journal of the American Chemical Society</i> , 2007, 129, 8650-8655.	13.7	346
14	Detecting protein analytes that modulate transmembrane movement of a polymer chain within a single protein pore. <i>Nature Biotechnology</i> , 2000, 18, 1091-1095.	17.5	337
15	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. <i>Journal of the American Chemical Society</i> , 2006, 128, 1705-1710.	13.7	298
16	Simultaneous stochastic sensing of divalent metal ions. <i>Nature Biotechnology</i> , 2000, 18, 1005-1007.	17.5	290
17	Staphylococcal alpha-toxin, streptolysin-O, and Escherichia coli hemolysin: prototypes of pore-forming bacterial cytolysins. <i>Archives of Microbiology</i> , 1996, 165, 73-79.	2.2	287
18	Protein Detection by Nanopores Equipped with Aptamers. <i>Journal of the American Chemical Society</i> , 2012, 134, 2781-2787.	13.7	284

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19	Designed protein pores as components for biosensors. <i>Chemistry and Biology</i> , 1997, 4, 497-505.	6.0	280
20	Multistep protein unfolding during nanopore translocation. <i>Nature Nanotechnology</i> , 2013, 8, 288-295.	31.5	275
21	Molecular cloning and primary structure of myelin-associated glycoprotein.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 600-604.	7.1	265
22	Hybrid pore formation by directed insertion of α -haemolysin into solid-state nanopores. <i>Nature Nanotechnology</i> , 2010, 5, 874-877.	31.5	261
23	Interactions of Peptides with a Protein Pore. <i>Biophysical Journal</i> , 2005, 89, 1030-1045.	0.5	248
24	Subunit stoichiometry of staphylococcal alpha-hemolysin in crystals and on membranes: a heptameric transmembrane pore.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 12828-12831.	7.1	245
25	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.	7.1	241
26	Single-molecule site-specific detection of protein phosphorylation with a nanopore. <i>Nature Biotechnology</i> , 2014, 32, 179-181.	17.5	229
27	Droplet networks with incorporated protein diodes show collective properties. <i>Nature Nanotechnology</i> , 2009, 4, 437-440.	31.5	210
28	Reduction of aryl azides by thiols: Implications for the use of photoaffinity reagents. <i>Biochemical and Biophysical Research Communications</i> , 1978, 80, 568-572.	2.1	207
29	Nanopore Sequencing: From Imagination to Reality. <i>Clinical Chemistry</i> , 2015, 61, 25-31.	3.2	200
30	Asymmetric Droplet Interface Bilayers. <i>Journal of the American Chemical Society</i> , 2008, 130, 5878-5879.	13.7	195
31	Propane-1,3-dithiol: A selective reagent for the efficient reduction of alkyl and aryl azides to amines. <i>Tetrahedron Letters</i> , 1978, 19, 3633-3634.	1.4	194
32	Kinetics of duplex formation for individual DNA strands within a single protein nanopore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 12996-13001.	7.1	192
33	Secondary structure and assembly mechanism of an oligomeric channel protein. <i>Biochemistry</i> , 1985, 24, 1915-1920.	2.5	185
34	A molecular mechanism for long-term sensitization in <i>Aplysia</i> . <i>Nature</i> , 1987, 329, 62-65.	27.8	185
35	Formation of droplet networks that function in aqueous environments. <i>Nature Nanotechnology</i> , 2011, 6, 803-808.	31.5	185
36	An Engineered ClyA Nanopore Detects Folded Target Proteins by Selective External Association and Pore Entry. <i>Nano Letters</i> , 2012, 12, 4895-4900.	9.1	183

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37	Functional engineered channels and pores (Review). <i>Molecular Membrane Biology</i> , 2004, 21, 209-220.	2.0	182
38	Recognizing a Single Base in an Individual DNA Strand: A Step Toward DNA Sequencing in Nanopores. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1401-1404.	13.8	181
39	Light-activated communication in synthetic tissues. <i>Science Advances</i> , 2016, 2, e1600056.	10.3	173
40	Purification and characterization of recombinant spider silk expressed in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 1998, 49, 31-38.	3.6	167
41	Site of attachment of retinal in bacteriorhodopsin.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1981, 78, 2225-2229.	7.1	166
42	Beneficial Effect of Intracellular Trehalose on the Membrane Integrity of Dried Mammalian Cells. <i>Cryobiology</i> , 2001, 43, 168-181.	0.7	166
43	Identification of epigenetic DNA modifications with a protein nanopore. <i>Chemical Communications</i> , 2010, 46, 8195.	4.1	161
44	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.	7.1	160
45	The role of lipids in mechanosensation. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 991-998.	8.2	160
46	Sequencing single molecules of DNA. <i>Current Opinion in Chemical Biology</i> , 2006, 10, 628-637.	6.1	155
47	High-Resolution Patterned Cellular Constructs by Droplet-Based 3D Printing. <i>Scientific Reports</i> , 2017, 7, 7004.	3.3	154
48	Multi-responsive hydrogel structures from patterned droplet networks. <i>Nature Chemistry</i> , 2020, 12, 363-371.	13.6	148
49	Key Residues for Membrane Binding, Oligomerization, and Pore Forming Activity of Staphylococcal α -Hemolysin Identified by Cysteine Scanning Mutagenesis and Targeted Chemical Modification. <i>Journal of Biological Chemistry</i> , 1995, 270, 23065-23071.	3.4	145
50	Stochastic Detection of Enantiomers. <i>Journal of the American Chemical Society</i> , 2006, 128, 10684-10685.	13.7	143
51	Capture of a Single Molecule in a Nanocavity. <i>Science</i> , 2001, 291, 636-640.	12.6	141
52	Elimination of a bacterial pore-forming toxin by sequential endocytosis and exocytosis. <i>FEBS Letters</i> , 2009, 583, 337-344.	2.8	141
53	Screening Blockers Against a Potassium Channel with a Droplet Interface Bilayer Array. <i>Journal of the American Chemical Society</i> , 2008, 130, 15543-15548.	13.7	139
54	Stochastic Sensing of Nanomolar Inositol 1,4,5-Trisphosphate with an Engineered Pore. <i>Chemistry and Biology</i> , 2002, 9, 829-838.	6.0	138

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55	Cyclic Peptides as Molecular Adapters for a Pore-Forming Protein. <i>Journal of the American Chemical Society</i> , 2000, 122, 11757-11766.	13.7	134
56	A Storable Encapsulated Bilayer Chip Containing a Single Protein Nanopore. <i>Journal of the American Chemical Society</i> , 2007, 129, 4701-4705.	13.7	132
57	High-throughput optical sensing of nucleic acids in a nanopore array. <i>Nature Nanotechnology</i> , 2015, 10, 986-991.	31.5	132
58	The RII subunit of camp-dependent protein kinase binds to a common amino-terminal domain in microtubule-associated proteins 2A, 2B, and 2C. <i>Neuron</i> , 1989, 3, 639-645.	8.1	131
59	Reversal of charge selectivity in transmembrane protein pores by using noncovalent molecular adapters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 3959-3964.	7.1	129
60	Catalyzing the Translocation of Polypeptides through Attractive Interactions. <i>Journal of the American Chemical Society</i> , 2007, 129, 14034-14041.	13.7	129
61	Photogenerated reagents for membrane labeling. 1. Phenylnitrene formed within the lipid bilayer. <i>Biochemistry</i> , 1978, 17, 2414-2419.	2.5	127
62	An intermediate in the assembly of a pore-forming protein trapped with a genetically-engineered switch. <i>Chemistry and Biology</i> , 1995, 2, 99-105.	6.0	123
63	Electroosmotic enhancement of the binding of a neutral molecule to a transmembrane pore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 15498-15503.	7.1	123
64	Subunit composition of a bicomponent toxin: Staphylococcal leukocidin forms an octameric transmembrane pore. <i>Protein Science</i> , 2002, 11, 894-902.	7.6	122
65	Stochastic Sensing of TNT with a Genetically Engineered Pore. <i>ChemBioChem</i> , 2005, 6, 1875-1881.	2.6	121
66	Photoisomerization of an Individual Azobenzene Molecule in Water: An On/Off Switch Triggered by Light at a Fixed Wavelength. <i>Journal of the American Chemical Society</i> , 2006, 128, 12404-12405.	13.7	120
67	Temperature-Responsive Protein Pores. <i>Journal of the American Chemical Society</i> , 2006, 128, 15332-15340.	13.7	118
68	Simultaneous Measurement of Ionic Current and Fluorescence from Single Protein Pores. <i>Journal of the American Chemical Society</i> , 2009, 131, 1652-1653.	13.7	118
69	Controlled Translocation of Individual DNA Molecules through Protein Nanopores with Engineered Molecular Brakes. <i>Nano Letters</i> , 2011, 11, 746-750.	9.1	116
70	Photogenerated reagents for membrane labeling. 2. Phenylcarbene and adamantylidene formed within the lipid bilayer. <i>Biochemistry</i> , 1978, 17, 2420-2423.	2.5	115
71	Delipidation of bacteriorhodopsin and reconstitution with exogenous phospholipid.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980, 77, 323-327.	7.1	115
72	Partitioning of Individual Flexible Polymers into a Nanoscopic Protein Pore. <i>Biophysical Journal</i> , 2003, 85, 897-910.	0.5	112

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73	Protein Nanopores with Covalently Attached Molecular Adapters. <i>Journal of the American Chemical Society</i> , 2007, 129, 16142-16148.	13.7	112
74	Membrane Protein Stoichiometry Determined from the Step-Wise Photobleaching of Dye-Labelled Subunits. <i>ChemBioChem</i> , 2007, 8, 994-999.	2.6	111
75	Transmembrane β -barrel of staphylococcal α -toxin forms in sensitive but not in resistant cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 11607-11611.	7.1	110
76	Kinetics of a Reversible Covalent-Bond-Forming Reaction Observed at the Single-Molecule Level. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3707-3709.	13.8	109
77	Intrinsically Disordered Protein Threads Through the Bacterial Outer-Membrane Porin OmpF. <i>Science</i> , 2013, 340, 1570-1574.	12.6	109
78	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.	7.1	108
79	Stochastic Detection of Monovalent and Bivalent Protein-Ligand Interactions. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 842-846.	13.8	105
80	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.	13.7	103
81	Analysis of Single Nucleic Acid Molecules with Protein Nanopores. <i>Methods in Enzymology</i> , 2010, 475, 591-623.	1.0	103
82	Nanopore-Based Identification of Individual Nucleotides for Direct RNA Sequencing. <i>Nano Letters</i> , 2013, 13, 6144-6150.	9.1	103
83	Combinatorial RNA splicing alters the surface charge on the NMDA receptor. <i>FEBS Letters</i> , 1992, 305, 27-30.	2.8	102
84	Interaction of the Noncovalent Molecular Adapter, β -Cyclodextrin, with the Staphylococcal α -Hemolysin Pore. <i>Biophysical Journal</i> , 2000, 79, 1967-1975.	0.5	102
85	Biochemical and Biophysical Characterization of OmpC: A Monomeric Porin. <i>Biochemistry</i> , 2000, 39, 11845-11854.	2.5	101
86	Prolonged Residence Time of a Noncovalent Molecular Adapter, β -Cyclodextrin, within the Lumen of Mutant α -Hemolysin Pores. <i>Journal of General Physiology</i> , 2001, 118, 481-494.	1.9	101
87	A Protein Pore with a Single Polymer Chain Tethered within the Lumen. <i>Journal of the American Chemical Society</i> , 2000, 122, 2411-2416.	13.7	100
88	Multiple Base Recognition Sites in a Biological Nanopore: Two Heads are Better than One. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 556-559.	13.8	100
89	Primary structure of a molluscan egg-specific NADase, a second-messenger enzyme. <i>Molecular Biology of the Cell</i> , 1991, 2, 211-218.	6.5	99
90	Single-Molecule Covalent Chemistry with Spatially Separated Reactants. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3766-3771.	13.8	99

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91	Protein components for nanodevices. <i>Current Opinion in Chemical Biology</i> , 2005, 9, 576-584.	6.1	99
92	Electrical Behavior of Droplet Interface Bilayer Networks: Experimental Analysis and Modeling. <i>Journal of the American Chemical Society</i> , 2007, 129, 11854-11864.	13.7	98
93	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.	2.5	98
94	A photogenerated pore-forming protein. <i>Chemistry and Biology</i> , 1995, 2, 391-400.	6.0	97
95	A monodisperse transmembrane α -helical peptide barrel. <i>Nature Chemistry</i> , 2017, 9, 411-419.	13.6	97
96	Engineered transmembrane pores. <i>Current Opinion in Chemical Biology</i> , 2016, 34, 117-126.	6.1	95
97	Single Protein Pores Containing Molecular Adapters at High Temperatures. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1495-1499.	13.8	93
98	Reversible permeabilization of plasma membranes with an engineered switchable pore. <i>Nature Biotechnology</i> , 1997, 15, 278-282.	17.5	92
99	A functional protein pore with a β -retrotransmembrane domain. <i>Protein Science</i> , 1999, 8, 1257-1267.	7.6	92
100	Photogenerated reagents for membranes: selective labeling of intrinsic membrane proteins in the human erythrocyte membrane. <i>Biochemistry</i> , 1980, 19, 3883-3892.	2.5	91
101	Nucleobase Recognition in ssDNA at the Central Constriction of the α -Hemolysin Pore. <i>Nano Letters</i> , 2010, 10, 3633-3637.	9.1	91
102	Genetically Engineered Metal Ion Binding Sites on the Outside of a Channel's Transmembrane α -Barrel. <i>Biophysical Journal</i> , 1999, 76, 837-845.	0.5	89
103	Probing Distance and Electrical Potential within a Protein Pore with Tethered DNA. <i>Biophysical Journal</i> , 2002, 83, 3202-3210.	0.5	84
104	Designed membrane channels and pores. <i>Current Opinion in Biotechnology</i> , 1999, 10, 94-103.	6.6	83
105	Continuous Stochastic Detection of Amino Acid Enantiomers with a Protein Nanopore. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9606-9609.	13.8	82
106	Location of a Constriction in the Lumen of a Transmembrane Pore by Targeted Covalent Attachment of Polymer Molecules. <i>Journal of General Physiology</i> , 2001, 117, 239-252.	1.9	79
107	Single DNA Rotaxanes of a Transmembrane Pore Protein. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3063-3067.	13.8	78
108	Folding of a Monomeric Porin, OmpG, in Detergent Solution. <i>Biochemistry</i> , 2003, 42, 9453-9465.	2.5	76

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109	Single-Molecule Observation of the Catalytic Subunit of cAMP-Dependent Protein Kinase Binding to an Inhibitor Peptide. <i>Chemistry and Biology</i> , 2005, 12, 109-120.	6.0	76
110	Rapid Assembly of a Multimeric Membrane Protein Pore. <i>Biophysical Journal</i> , 2011, 101, 2679-2683.	0.5	75
111	A pore-forming protein with a metal-actuated switch. <i>Protein Engineering, Design and Selection</i> , 1994, 7, 655-662.	2.1	74
112	The leukocidin pore: Evidence for an octamer with four LukF subunits and four LukS subunits alternating around a central axis. <i>Protein Science</i> , 2005, 14, 2550-2561.	7.6	74
113	Homomeric assemblies of NMDAR1 splice variants are sensitive to ethanol. <i>Neuroscience Letters</i> , 1993, 152, 13-16.	2.1	73
114	Self-assembled α -hemolysin pores in an S-layer-supported lipid bilayer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1370, 280-288.	2.6	72
115	S-layer Ultrafiltration Membranes: A New Support for Stabilizing Functionalized Lipid Membranes. <i>Langmuir</i> , 2001, 17, 499-503.	3.5	72
116	Ion Channels and Lipid Bilayer Membranes Under High Potentials Using Microfabricated Apertures. <i>Biomedical Microdevices</i> , 2002, 4, 231-236.	2.8	71
117	A primary hydrogen-deuterium isotope effect observed at the single-molecule level. <i>Nature Chemistry</i> , 2010, 2, 921-928.	13.6	70
118	Single-Molecule Determination of the Isomers of D-Glucose and D-Fructose that Bind to Boronic Acids. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2841-2845.	13.8	70
119	Catalytic Subunit of Protein Kinase A Caged at the Activating Phosphothreonine. <i>Journal of the American Chemical Society</i> , 2002, 124, 8220-8229.	13.7	69
120	Directional control of a processive molecular hopper. <i>Science</i> , 2018, 361, 908-912.	12.6	69
121	Tumor protease-activated, pore-forming toxins from a combinatorial library. <i>Nature Biotechnology</i> , 1996, 14, 852-856.	17.5	67
122	The Heptameric Prepore of a Staphylococcal α -Hemolysin Mutant in Lipid Bilayers Imaged by Atomic Force Microscopy. <i>Biochemistry</i> , 1997, 36, 9518-9522.	2.5	67
123	Multi-compartment encapsulation of communicating droplets and droplet networks in hydrogel as a model for artificial cells. <i>Scientific Reports</i> , 2017, 7, 45167.	3.3	66
124	Individual RNA Base Recognition in Immobilized Oligonucleotides Using a Protein Nanopore. <i>Nano Letters</i> , 2012, 12, 5637-5643.	9.1	65
125	Functional truncated membrane pores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2425-2430.	7.1	65
126	DNA scaffolds support stable and uniform peptide nanopores. <i>Nature Nanotechnology</i> , 2018, 13, 739-745.	31.5	65

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127	Real-Time Stochastic Detection of Multiple Neurotransmitters with a Protein Nanopore. ACS Nano, 2012, 6, 5304-5308.	14.6	64
128	Controlled packing and single-droplet resolution of 3D-printed functional synthetic tissues. Nature Communications, 2020, 11, 2105.	12.8	64
129	A regulatory subunit of the cAMP-dependent protein kinase down-regulated in aplysia sensory neurons during long-term sensitization. Neuron, 1992, 8, 387-397.	8.1	63
130	Properties of Bacillus cereus hemolysin II: A heptameric transmembrane pore. Protein Science, 2009, 11, 1813-1824.	7.6	62
131	Protein co-translocational unfolding depends on the direction of pulling. Nature Communications, 2014, 5, 4841.	12.8	62
132	A carbene-yielding amino acid for incorporation into peptide photoaffinity reagents. Analytical Biochemistry, 1985, 144, 132-141.	2.4	60
133	The Staphylococcal Leukocidin Bicomponent Toxin Forms Large Ionic Channels,. Biochemistry, 2001, 40, 8514-8522.	2.5	60
134	Piercing insights. Nature, 2009, 459, 651-652.	27.8	60
135	Single-Molecule Detection of 5-Hydroxymethylcytosine in DNA through Chemical Modification and Nanopore Analysis. Angewandte Chemie - International Edition, 2013, 52, 4350-4355.	13.8	60
136	Constructing ion channels from water-soluble α -helical barrels. Nature Chemistry, 2021, 13, 643-650.	13.6	59
137	Measurement of trehalose loading of mammalian cells porated with a metal-actuated switchable pore. Biotechnology and Bioengineering, 2003, 82, 525-532.	3.3	58
138	Holes with an edge. Nature, 2010, 467, 164-165.	27.8	58
139	Light-patterning of synthetic tissues with single droplet resolution. Scientific Reports, 2017, 7, 9315.	3.3	58
140	Selective labelling of the hydrophobic segments of intrinsic membrane proteins with a lipophilic photogenerated carbene. Nature, 1979, 280, 841-843.	27.8	57
141	Caged Catalytic Subunit of cAMP-Dependent Protein Kinase. Journal of the American Chemical Society, 1998, 120, 7661-7662.	13.7	57
142	Sequence of abductin, the molluscan "rubber" protein. Current Biology, 1997, 7, R677-R678.	3.9	56
143	Kinetics of a Three-Step Reaction Observed at the Single-Molecule Level. Angewandte Chemie - International Edition, 2003, 42, 1926-1929.	13.8	56
144	Direct Introduction of Single Protein Channels and Pores into Lipid Bilayers. Journal of the American Chemical Society, 2005, 127, 6502-6503.	13.7	56

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145	Functional aqueous droplet networks. <i>Molecular BioSystems</i> , 2017, 13, 1658-1691.	2.9	56
146	A new class of hybrid secretion system is employed in <i>Pseudomonas amyloid</i> biogenesis. <i>Nature Communications</i> , 2017, 8, 263.	12.8	56
147	Surface labeling of key residues during assembly of the transmembrane pore formed by staphylococcal α -hemolysin. <i>FEBS Letters</i> , 1994, 356, 66-71.	2.8	55
148	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.	7.1	55
149	Caged cysteine and thiophosphoryl peptides. <i>FEBS Letters</i> , 1997, 405, 81-85.	2.8	54
150	Surface-accessible Residues in the Monomeric and Assembled Forms of a Bacterial Surface Layer Protein. <i>Journal of Biological Chemistry</i> , 2000, 275, 37876-37886.	3.4	53
151	Stepwise Growth of a Single Polymer Chain. <i>Journal of the American Chemical Society</i> , 2005, 127, 10462-10463.	13.7	53
152	A Genetically Encoded Pore for the Stochastic Detection of a Protein Kinase. <i>ChemBioChem</i> , 2006, 7, 1923-1927.	2.6	52
153	Single-molecule analysis of chirality in a multicomponent reaction network. <i>Nature Chemistry</i> , 2014, 6, 603-607.	13.6	52
154	Construction and Manipulation of Functional Three-Dimensional Droplet Networks. <i>ACS Nano</i> , 2014, 8, 771-779.	14.6	52
155	A Pore-forming protein with a protease-activated trigger. <i>Protein Engineering, Design and Selection</i> , 1994, 7, 91-97.	2.1	51
156	Direct transfer of membrane proteins from bacteria to planar bilayers for rapid screening by single-channel recording. <i>Nature Chemical Biology</i> , 2006, 2, 314-318.	8.0	51
157	Continuous observation of the stochastic motion of an individual small-molecule walker. <i>Nature Nanotechnology</i> , 2015, 10, 76-83.	31.5	50
158	Two catalytic subunits of cAMP-dependent protein kinase generated by alternative RNA splicing are expressed in <i>Aplysia</i> neurons. <i>Neuron</i> , 1988, 1, 853-864.	8.1	49
159	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.	7.1	49
160	Translocating Kilobase RNA through the Staphylococcal α -Hemolysin Nanopore. <i>Nano Letters</i> , 2013, 13, 2500-2505.	9.1	49
161	Droplet printing reveals the importance of micron-scale structure for bacterial ecology. <i>Nature Communications</i> , 2021, 12, 857.	12.8	48
162	Single-Molecule Covalent Chemistry in a Protein Nanoreactor. <i>Springer Series in Biophysics</i> , 2008, , 251-277.	0.4	48

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163	Toxin structure: Part of a hole?. <i>Current Biology</i> , 1997, 7, R763-R767.	3.9	46
164	Role of the Amino Latch of Staphylococcal α -Hemolysin in Pore Formation. <i>Journal of Biological Chemistry</i> , 2006, 281, 2195-2204.	3.4	46
165	An engineered dimeric protein pore that spans adjacent lipid bilayers. <i>Nature Communications</i> , 2013, 4, 1725.	12.8	44
166	Single-Molecule Protein Phosphorylation and Dephosphorylation by Nanopore Enzymology. <i>ACS Nano</i> , 2019, 13, 633-641.	14.6	44
167	DNA Strands from Denatured Duplexes are Translocated through Engineered Protein Nanopores at Alkaline pH. <i>Nano Letters</i> , 2009, 9, 3831-3836.	9.1	43
168	Urea Facilitates the Translocation of Single-Stranded DNA and RNA Through the α -Hemolysin Nanopore. <i>Biophysical Journal</i> , 2010, 98, 1856-1863.	0.5	43
169	Designing a Hydrophobic Barrier within Biomimetic Nanopores. <i>ACS Nano</i> , 2014, 8, 11268-11279.	14.6	43
170	A droplet microfluidic system for sequential generation of lipid bilayers and transmembrane electrical recordings. <i>Lab on A Chip</i> , 2015, 15, 541-548.	6.0	43
171	Triggeps and switches in a self-assembling pore-forming porotein. <i>Journal of Cellular Biochemistry</i> , 1994, 56, 177-182.	2.6	42
172	Caged Thiophosphotyrosine Peptides. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3049-3051.	13.8	42
173	Tuning the Cavity of Cyclodextrins: Altered Sugar Adaptors in Protein Pores. <i>Journal of the American Chemical Society</i> , 2011, 133, 1987-2001.	13.7	42
174	Single-molecule interrogation of a bacterial sugar transporter allows the discovery of an extracellular inhibitor. <i>Nature Chemistry</i> , 2013, 5, 651-659.	13.6	42
175	Building Doors into Cells. <i>Scientific American</i> , 1997, 277, 62-67.	1.0	41
176	Carriers versus Adapters in Stochastic Sensing. <i>ChemPhysChem</i> , 2005, 6, 889-892.	2.1	41
177	Single-Molecule Kinetics of Two-Step Divalent Cation Chelation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5085-5090.	13.8	41
178	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.	13.7	41
179	VI. Applications of S-layers. <i>FEMS Microbiology Reviews</i> , 1997, 20, 151-175.	8.6	40
180	Nucleobase Recognition by Truncated α -Hemolysin Pores. <i>ACS Nano</i> , 2015, 9, 7895-7903.	14.6	40

#	ARTICLE	IF	CITATIONS
181	Lipid Bilayer-Supported 3D Printing of Human Cerebral Cortex Cells Reveals Developmental Interactions. <i>Advanced Materials</i> , 2020, 32, e2002183.	21.0	40
182	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.	7.1	39
183	Photoaffinity Labeling and Related Techniques. , 1984, , 433-490.		38
184	Interactions between Residues in Staphylococcal α -Hemolysin Revealed by Reversion Mutagenesis. <i>Journal of Biological Chemistry</i> , 1995, 270, 23072-23076.	3.4	37
185	Recognizing a Single Base in an Individual DNA Strand: A Step Toward DNA Sequencing in Nanopores. <i>Angewandte Chemie</i> , 2005, 117, 1425-1428.	2.0	37
186	Lipid-coated hydrogel shapes as components of electrical circuits and mechanical devices. <i>Scientific Reports</i> , 2012, 2, 848.	3.3	37
187	Interaction of blood coagulation factor Va with phospholipid vesicles. Examination using lipophilic photoreagents. <i>Biochemistry</i> , 1987, 26, 103-109.	2.5	36
188	Improved Protocol for High-Throughput Cysteine Scanning Mutagenesis. <i>BioTechniques</i> , 1998, 25, 764-772.	1.8	36
189	Restoration of pore-forming activity in staphylococcal α -hemolysin by targeted covalent modification. <i>Protein Engineering, Design and Selection</i> , 1995, 8, 491-495.	2.1	35
190	Porphyrins for Probing Electrical Potential Across Lipid Bilayer Membranes by Second Harmonic Generation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9044-9048.	13.8	35
191	Halothane acts on many potassium channels, including a minimal potassium channel. <i>Neuroscience Letters</i> , 1993, 161, 81-84.	2.1	34
192	Stochastic Detection of Motor Protein-RNA Complexes by Single-Channel Current Recording. <i>ChemPhysChem</i> , 2007, 8, 2189-2194.	2.1	34
193	Detection of 3'-End RNA Uridylation with a Protein Nanopore. <i>ACS Nano</i> , 2014, 8, 1364-1374.	14.6	32
194	Gel Microrods for 3D Tissue Printing. <i>Advanced Biology</i> , 2017, 1, e1700075.	3.0	31
195	Probing the Orientational Distribution of Dyes in Membranes through Multiphoton Microscopy. <i>Biophysical Journal</i> , 2012, 103, 907-917.	0.5	30
196	Catalytic site-selective substrate processing within a tubular nanoreactor. <i>Nature Nanotechnology</i> , 2019, 14, 1135-1142.	31.5	30
197	Photoactivatable drugs. <i>Trends in Pharmacological Sciences</i> , 1987, 8, 138-143.	8.7	29
198	Synthetic tissues. <i>Emerging Topics in Life Sciences</i> , 2019, 3, 615-622.	2.6	28

#	ARTICLE	IF	CITATIONS
199	Prepore for a breakthrough. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 385-386.	8.2	27
200	Formation of a Chiral Center and Pyrimidal Inversion at the Single-Molecule Level. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7412-7416.	13.8	27
201	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.	2.5	26
202	Pim Kinase Inhibitors Evaluated with a Single-Molecule Engineered Nanopore Sensor. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8154-8159.	13.8	26
203	Chemical polyglycosylation and nanolitre detection enables single-molecule recapitulation of bacterial sugar export. <i>Nature Chemistry</i> , 2016, 8, 461-469.	13.6	26
204	Bioorthogonal Cycloadditions with Sub-Millisecond Intermediates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1218-1221.	13.8	26
205	Single-Molecule Observation of the Intermediates in a Catalytic Cycle. <i>Journal of the American Chemical Society</i> , 2018, 140, 17538-17546.	13.7	26
206	Direct detection of molecular intermediates from first-passage times. <i>Science Advances</i> , 2020, 6, eaaz4642.	10.3	26
207	Inhibitory Effects of Ketamine and Halothane on Recombinant Potassium Channels from Mammalian Brain. <i>Anesthesiology</i> , 1996, 84, 900-909..	2.5	25
208	[7] Caged peptides and proteins by targeted chemical modification. <i>Methods in Enzymology</i> , 1998, 291, 117-135.	1.0	24
209	Orientation of the Monomeric Porin OmpG in Planar Lipid Bilayers. <i>ChemBioChem</i> , 2008, 9, 3029-3036.	2.6	24
210	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.	4.1	24
211	Kinetics of a Reversible Covalent-Bond-Forming Reaction Observed at the Single-Molecule Level. <i>Angewandte Chemie</i> , 2002, 114, 3859-3861.	2.0	23
212	The potential and challenges of nanopore sequencing. , 2009, , 261-268.		23
213	Light-Patterned Current Generation in a Droplet Bilayer Array. <i>Scientific Reports</i> , 2017, 7, 46585.	3.3	23
214	Controlled deprotection and release of a small molecule from a compartmented synthetic tissue module. <i>Communications Chemistry</i> , 2019, 2, .	4.5	23
215	Inactivation of the KcsA potassium channel explored with heterotetramers. <i>Journal of General Physiology</i> , 2010, 135, 29-42.	1.9	22
216	DNA stretching and optimization of nucleobase recognition in enzymatic nanopore sequencing. <i>Nanotechnology</i> , 2015, 26, 084002.	2.6	22

#	ARTICLE	IF	CITATIONS
217	Fluorinated Amphiphiles Control the Insertion of β -Hemolysin Pores into Lipid Bilayers. <i>Biochemistry</i> , 2011, 50, 1599-1606.	2.5	21
218	Rates and Stoichiometries of Metal Ion Probes of Cysteine Residues within Ion Channels. <i>Biophysical Journal</i> , 2013, 105, 356-364.	0.5	21
219	Semisynthetic Nanoreactor for Reversible Single-Molecule Covalent Chemistry. <i>ACS Nano</i> , 2016, 10, 8843-8850.	14.6	20
220	Orientation of the OmpF Porin in Planar Lipid Bilayers. <i>ChemBioChem</i> , 2017, 18, 554-562.	2.6	20
221	Parallel transmission in a synthetic nerve. <i>Nature Chemistry</i> , 2022, 14, 650-657.	13.6	20
222	Permeation of Styryl Dyes through Nanometer-Scale Pores in Membranes. <i>Biochemistry</i> , 2011, 50, 7493-7502.	2.5	19
223	The Internal Cavity of the Staphylococcal β -Hemolysin Pore Accommodates ≈ 175 Exogenous Amino Acid Residues. <i>Biochemistry</i> , 2005, 44, 8919-8929.	2.5	18
224	Subunit Dimers of β -Hemolysin Expand the Engineering Toolbox for Protein Nanopores. <i>Journal of Biological Chemistry</i> , 2011, 286, 14324-14334.	3.4	18
225	<i>S</i> -Nitrosothiol Chemistry at the Single-Molecule Level. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7972-7976.	13.8	18
226	Effects of Ethanol on Calcium Channels, Potassium Channels, and Vasopressin Release. <i>Annals of the New York Academy of Sciences</i> , 1991, 625, 249-263.	3.8	17
227	Photoregulation of Proteins. , 2005, , 253-340.		17
228	Single-Molecule Observation of Intermediates in Bioorthogonal 2-Cyanobenzothiazole Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15711-15716.	13.8	17
229	Enzymeless DNA Base Identification by Chemical Stepping in a Nanopore. <i>Journal of the American Chemical Society</i> , 2021, 143, 18181-18187.	13.7	17
230	Protein therapy "delivery guaranteed". <i>Nature Biotechnology</i> , 1999, 17, 1066-1067.	17.5	16
231	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.	3.4	16
232	Phototoxic liposomes coupled to an antibody that alone cannot modulate its cell-surface antigen kill selected target cells. <i>Cancer Immunology, Immunotherapy</i> , 1990, 30, 317-322.	4.2	15
233	Heptameric structures of two β -hemolysin mutants imaged with in situ atomic force microscopy. , 1999, 44, 353-356.		15
234	Modular Synthetic Tissues from 3D-Printed Building Blocks. <i>Advanced Functional Materials</i> , 2022, 32, 2107773.	14.9	15

#	ARTICLE	IF	CITATIONS
235	A Lipid-Based Droplet Processor for Parallel Chemical Signals. <i>ACS Nano</i> , 2021, 15, 20214-20224.	14.6	15
236	Assembly of the Bi-component Leukocidin Pore Examined by Truncation Mutagenesis. <i>Journal of Biological Chemistry</i> , 2006, 281, 2205-2214.	3.4	14
237	Tetrameric assembly of KvLm <i>K</i> ⁺ 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.	7.1	14
238	Redirecting Pore Assembly of Staphylococcal α -Hemolysin by Protein Engineering. <i>ACS Central Science</i> , 2019, 5, 629-639.	11.3	14
239	Kinetics and regulation of two catalytic subunits of cAMP-dependent protein kinase from <i>Aplysia californica</i> . <i>Biochemistry</i> , 1991, 30, 10246-10255.	2.5	13
240	Genetically Engineered Pores as Metal Ion Biosensors. <i>Materials Research Society Symposia Proceedings</i> , 1993, 330, 217.	0.1	13
241	Free-energy landscapes of membrane co-translocational protein unfolding. <i>Communications Biology</i> , 2020, 3, 160.	4.4	13
242	Kinetics of a Three-Step Reaction Observed at the Single-Molecule Level. <i>Angewandte Chemie</i> , 2003, 115, 1970-1973.	2.0	12
243	Ion channels get flashy. <i>Nature Chemical Biology</i> , 2006, 2, 11-13.	8.0	12
244	Membrane pores: from structure and assembly, to medicine and technology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160208.	4.0	12
245	Single-Molecule Determination of the Isomers of <i>D</i> -Glucose and <i>D</i> -Fructose that Bind to Boronic Acids. <i>Angewandte Chemie</i> , 2018, 130, 2891-2895.	2.0	12
246	Directional Porin Binding of Intrinsically Disordered Protein Sequences Promotes Colicin Epitope Display in the Bacterial Periplasm. <i>Biochemistry</i> , 2018, 57, 4374-4381.	2.5	12
247	Transmembrane protein rotaxanes reveal kinetic traps in the refolding of translocated substrates. <i>Communications Biology</i> , 2020, 3, 159.	4.4	12
248	Photoactivated Hydrophobic Reagents for Integral Membrane Proteins. , 1982, , 185-194.		11
249	Alternative splicing of the NMDAR1 subunit affects modulation by calcium. <i>Molecular Brain Research</i> , 1996, 39, 99-108.	2.3	10
250	New technologies for DNA analysis – a review of the READNA Project. <i>New Biotechnology</i> , 2016, 33, 311-330.	4.4	10
251	Functional Multivesicular Structures with Controlled Architecture from 3D-Printed Droplet Networks. <i>ChemSystemsChem</i> , 2022, 4, e2100036.	2.6	10
252	Photogenerated, Hydrophobic Reagents for Intrinsic Membrane Proteins. <i>Annals of the New York Academy of Sciences</i> , 1980, 346, 45-58.	3.8	9

#	ARTICLE	IF	CITATIONS
253	Ferrying proteins to the other side. <i>Nature Biotechnology</i> , 1998, 16, 418-420.	17.5	9
254	Wrestling with Native Chemical Ligation. <i>ACS Chemical Biology</i> , 2009, 4, 983-985.	3.4	9
255	Are we there yet?. <i>Physics of Life Reviews</i> , 2012, 9, 161-163.	2.8	9
256	Self-assembling biomolecular materials in medicine. <i>Journal of Cellular Biochemistry</i> , 1994, 56, 168-170.	2.6	8
257	Engineered Nanopores. , 2005, , 93-112.		8
258	Getting to the bottom of the well. <i>Nature Nanotechnology</i> , 2017, 12, 1116-1117.	31.5	8
259	Bioorthogonal Cycloadditions with Submillisecond Intermediates. <i>Angewandte Chemie</i> , 2018, 130, 1232-1235.	2.0	8
260	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.	13.7	8
261	The Delivery of Phototoxic Drugs to Selected Cells. <i>Annals of the New York Academy of Sciences</i> , 1985, 446, 403-414.	3.8	7
262	Pim Kinase Inhibitors Evaluated with a Single-Molecule Engineered Nanopore Sensor. <i>Angewandte Chemie</i> , 2015, 127, 8272-8277.	2.0	7
263	Reconstruction of the Gram-Negative Bacterial Outer Membrane Bilayer. <i>Small</i> , 2022, 18, e2200007.	10.0	6
264	Monolayers from Genetically Engineered Protein Pores. <i>Materials Research Society Symposia Proceedings</i> , 1990, 218, 69.	0.1	5
265	High-Throughput Scanning Mutagenesis by Recombination Polymerase Chain Reaction. , 2002, 182, 139-147.		5
266	Peptide Backbone Mutagenesis of Putative Gating Hinges in a Potassium Ion Channel. <i>ChemBioChem</i> , 2008, 9, 1725-1728.	2.6	5
267	Single Molecule RNA Base Identification with a Biological Nanopore. <i>Biophysical Journal</i> , 2012, 102, 429a.	0.5	5
268	Bioengineered Gastrointestinal Tissues with Fibroblast-Induced Shapes. <i>Advanced Functional Materials</i> , 2021, 31, 2007514.	14.9	5
269	3D-printed synthetic tissues. <i>Biochemist</i> , 2016, 38, 16-19.	0.5	4
270	Building blocks for cells and tissues: Beyond a game. <i>Emerging Topics in Life Sciences</i> , 2019, 3, 433-434.	2.6	4

#	ARTICLE	IF	CITATIONS
271	Inhibitors of Photosynthetic Electron Transport. The Properties of Diazidodialkylbenzoquinones. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1979, 34, 490-492.	1.4	3
272	Single-Molecule Observation of Intermediates in Bioorthogonal 2-Cyanobenzothiazole Chemistry. Angewandte Chemie, 2020, 132, 15841-15846.	2.0	3
273	Genetically Engineered Protein Pores as Components of Synthetic Microstructures. , 1992, , 41-51.		3
274	Eukaryotic Signal Transduction Pathways And Man-Made Systems Compared. Materials Research Society Symposia Proceedings, 1991, 255, 269.	0.1	2
275	Electrical Communication In Droplet Interface Bilayers Networks. Biophysical Journal, 2009, 96, 544a.	0.5	2
276	Droplet Networks, from Lipid Bilayers to Synthetic Tissues. , 2019, , 1-13.		2
277	Assembly of β -Hemolysin: a Proteinaceous Pore with Potential Applications in Materials Synthesis. Materials Research Society Symposia Proceedings, 1992, 292, 243.	0.1	1
278	Genetically-Engineered Protease-Activated Triggers in a Pore-Forming Protein. Materials Research Society Symposia Proceedings, 1993, 330, 209.	0.1	1
279	Hybrid Biological/Solid-State Nanopores. Biophysical Journal, 2011, 100, 168a.	0.5	1
280	Functional Droplet Interface Bilayers. , 2013, , 861-868.		1
281	Corrections - Photogenerated Reagents for Membranes: Selective Labeling of Intrinsic Membrane Proteins in the Human Erythrocyte Membrane. Biochemistry, 1981, 20, 5094-5094.	2.5	0
282	β -Hemolysin: A Self-Assembling Protein Pore With Potential Applications In The Synthesis of New Materials. Materials Research Society Symposia Proceedings, 1991, 255, 201.	0.1	0
283	Channels With Single Transmembrane Segments. Physiology, 1994, 9, 45-46.	3.1	0
284	Pore-forming proteins with built-in triggers and switches. , 1996, , .		0
285	Cover Picture: Single DNA Rotaxanes of a Transmembrane Pore Protein (Angew. Chem. Int. Ed. 23/2004). Angewandte Chemie - International Edition, 2004, 43, 2977-2977.	13.8	0
286	Simultaneous Measurement Of Ionic Current And Fluorescence From Single Protein Pores. Biophysical Journal, 2009, 96, 28a.	0.5	0
287	Building And Controlling Networks Of Droplet Interface Bilayers. Biophysical Journal, 2009, 96, 214a.	0.5	0
288	β -Hemolysin: A Self-Assembling Protein Pore With Potential Applications In The Synthesis of New Materials. Nature Digest, 2010, 7, 32-34.	0.0	0

#	ARTICLE	IF	CITATIONS
289	Structural Analysis of Heptameric Alpha-Hemolysin under Extreme Conditions that Facilitate Nucleic Acid Translocation. <i>Biophysical Journal</i> , 2010, 98, 647a.	0.5	0
290	The KvLm Potassium Channel in Asymmetric Bilayer. <i>Biophysical Journal</i> , 2010, 98, 1a.	0.5	0
291	Urea Facilitates the Translocation of Single-Stranded DNA and RNA Through the α -Hemolysin Nanopore. <i>Biophysical Journal</i> , 2010, 98, 44a.	0.5	0
292	Three-Dimensional Construction of Bilayer Networks using Shape Encoded Hydrogel. <i>Biophysical Journal</i> , 2011, 100, 502a.	0.5	0
293	Voltage-Dependent Gating of the K ⁺ Channel KvLm Explored through Heterotetramers. <i>Biophysical Journal</i> , 2012, 102, 531a.	0.5	0
294	Rapid Assembly of a Multimeric Membrane Protein Pore Observed by Single Molecule Fluorescence. <i>Biophysical Journal</i> , 2012, 102, 262a.	0.5	0
295	Engineering a Biomimetic Biological Nanopore to Selectively Capture Folded Target Proteins. <i>Biophysical Journal</i> , 2013, 104, 518a.	0.5	0
296	Simulations and Modelling of Biomimetic Nanopores. <i>Biophysical Journal</i> , 2013, 104, 527a.	0.5	0
297	Electrostatically Enhanced Association of a Pim Kinase Substrate Revealed by Stochastic Detection. <i>Biophysical Journal</i> , 2014, 106, 18a.	0.5	0
298	Designing Hydrophobic Gates into Biomimetic Nanopores. <i>Biophysical Journal</i> , 2014, 106, 211a.	0.5	0
299	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.	2.0	0
300	Polymers through Protein Pores: Single-Molecule Experiments with Nucleic Acids, Polypeptides and Polysaccharides. <i>Biophysical Journal</i> , 2015, 108, 489a.	0.5	0
301	Electro-Wetting of a Hydrophobic Gate in a Biomimetic Nanopore. <i>Biophysical Journal</i> , 2015, 108, 186a.	0.5	0
302	Strategies in the Design and Use of Synthetic α -Internal Glycan α -Vaccines. <i>Methods in Enzymology</i> , 2017, 597, 335-357.	1.0	0
303	3D Bioprinting: Lipid α Bilayer α Supported 3D Printing of Human Cerebral Cortex Cells Reveals Developmental Interactions (<i>Adv. Mater.</i> 31/2020). <i>Advanced Materials</i> , 2020, 32, 2070235.	21.0	0
304	Titelbild: Single α Molecule Observation of Intermediates in Bioorthogonal 2 α Cyanobenzothiazole Chemistry (<i>Angew. Chem.</i> 36/2020). <i>Angewandte Chemie</i> , 2020, 132, 15381-15381.	2.0	0
305	Bioengineered Gastrointestinal Tissue: Bioengineered Gastrointestinal Tissues with Fibroblast α Induced Shapes (<i>Adv. Funct. Mater.</i> 6/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170036.	14.9	0
306	Role of the amino latch of staphylococcal alpha α hemolysin and leukocidin in pore formation. <i>FASEB Journal</i> , 2006, 20, .	0.5	0

#	ARTICLE	IF	CITATIONS
307	Determining the Orientation of Porins in Planar Lipid Bilayers. Methods in Molecular Biology, 2021, 2186, 51-62.	0.9	0
308	Nanopore Enzymology to Study Protein Kinases and Their Inhibition by Small Molecules. Methods in Molecular Biology, 2021, 2186, 95-114.	0.9	0
309	Synthetic and Hybrid Tissues. , 2022, , 1-4.		0
310	Believe the Hype: Nanopore Proteomics Is Moving Forward. , 2022, 1, 28-29.		0