

# Hagan Bayley

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

296  
papers

26,690  
citations

87  
h-index

156  
g-index

344  
ext. papers

29,219  
ext. citations

11.4  
avg, IF

7.14  
L-index

#	Paper	IF	Citations
296	Believe the Hype: Nanopore Proteomics Is Moving Forward <b>2022</b> , 1, 28-29		
295	Reconstruction of the Gram-Negative Bacterial Outer-Membrane Bilayer.. <i>Small</i> , <b>2022</b> , e2200007	11	1
294	Enzymeless DNA Base Identification by Chemical Stepping in a Nanopore. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 18181-18187	16.4	4
293	Determining the Orientation of Porins in Planar Lipid Bilayers. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2186, 51-62	1.4	
292	Nanopore Enzymology to Study Protein Kinases and Their Inhibition by Small Molecules. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2186, 95-114	1.4	
291	Constructing ion channels from water-soluble helical barrels. <i>Nature Chemistry</i> , <b>2021</b> , 13, 643-650	17.6	14
290	Bioengineered Gastrointestinal Tissues with Fibroblast-Induced Shapes. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007514	15.6	1
289	Droplet printing reveals the importance of micron-scale structure for bacterial ecology. <i>Nature Communications</i> , <b>2021</b> , 12, 857	17.4	13
288	Bioengineered Gastrointestinal Tissue: Bioengineered Gastrointestinal Tissues with Fibroblast-Induced Shapes (Adv. Funct. Mater. 6/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170036 <sup>15.6</sup>		
287	Controlled packing and single-droplet resolution of 3D-printed functional synthetic tissues. <i>Nature Communications</i> , <b>2020</b> , 11, 2105	17.4	24
286	Direct detection of molecular intermediates from first-passage times. <i>Science Advances</i> , <b>2020</b> , 6, eaaz4644 <sup>12.3</sup>		12
285	Bifurcated binding of the OmpF receptor underpins import of the bacteriocin colicin N into. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 9147-9156	5.4	9
284	Lipid-Bilayer-Supported 3D Printing of Human Cerebral Cortex Cells Reveals Developmental Interactions. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002183	24	16
283	Multi-responsive hydrogel structures from patterned droplet networks. <i>Nature Chemistry</i> , <b>2020</b> , 12, 363-376 <sup>17.6</sup>		73
282	Transmembrane Epitope Delivery by Passive Protein Threading through the Pores of the OmpF Porin Trimer. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 12157-12166	16.4	6
281	Single-Molecule Observation of Intermediates in Bioorthogonal 2-Cyanobenzothiazole Chemistry. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15711-15716	16.4	8
280	Transmembrane protein rotaxanes reveal kinetic traps in the refolding of translocated substrates. <i>Communications Biology</i> , <b>2020</b> , 3, 159	6.7	8

279	Free-energy landscapes of membrane co-translocational protein unfolding. <i>Communications Biology</i> , <b>2020</b> , 3, 160	6.7	7
278	3D Bioprinting: Lipid-Bilayer-Supported 3D Printing of Human Cerebral Cortex Cells Reveals Developmental Interactions (Adv. Mater. 31/2020). <i>Advanced Materials</i> , <b>2020</b> , 32, 2070235	24	
277	Titelbild: Single-Molecule Observation of Intermediates in Bioorthogonal 2-Cyanobenzothiazole Chemistry (Angew. Chem. 36/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 15381-15381	3.6	
276	Single-Molecule Observation of Intermediates in Bioorthogonal 2-Cyanobenzothiazole Chemistry. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 15841-15846	3.6	0
275	Redirecting Pore Assembly of Staphylococcal Hemolysin by Protein Engineering. <i>ACS Central Science</i> , <b>2019</b> , 5, 629-639	16.8	3
274	Single-Molecule Kinetics of Growth and Degradation of Cell-Penetrating Poly(disulfide)s. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 12444-12447	16.4	20
273	Synthetic tissues. <i>Emerging Topics in Life Sciences</i> , <b>2019</b> , 3, 615-622	3.5	12
272	Controlled deprotection and release of a small molecule from a compartmented synthetic tissue module. <i>Communications Chemistry</i> , <b>2019</b> , 2,	6.3	15
271	Catalytic site-selective substrate processing within a tubular nanoreactor. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 1135-1142	28.7	15
270	Single-Molecule Protein Phosphorylation and Dephosphorylation by Nanopore Enzymology. <i>ACS Nano</i> , <b>2019</b> , 13, 633-641	16.7	29
269	Single-Molecule Determination of the Isomers of d-Glucose and d-Fructose that Bind to Boronic Acids. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2891-2895	3.6	6
268	Single-Molecule Determination of the Isomers of d-Glucose and d-Fructose that Bind to Boronic Acids. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2841-2845	16.4	39
267	Bioorthogonal Cycloadditions with Sub-Millisecond Intermediates. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12323-12335	12.35	7
266	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> , <b>2018</b> , 115, 6691-6696	11.5	21
265	Bioorthogonal Cycloadditions with Sub-Millisecond Intermediates. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1218-1221	16.4	18
264	Single-Molecule Observation of the Intermediates in a Catalytic Cycle. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 17538-17546	16.4	16
263	Directional control of a processive molecular hopper. <i>Science</i> , <b>2018</b> , 361, 908-912	33.3	41
262	DNA scaffolds support stable and uniform peptide nanopores. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 739-745	18.7	45

261	Directional Porin Binding of Intrinsically Disordered Protein Sequences Promotes Colicin Epitope Display in the Bacterial Periplasm. <i>Biochemistry</i> , <b>2018</b> , 57, 4374-4381	3.2	9
260	Orientation of the OmpF Porin in Planar Lipid Bilayers. <i>ChemBioChem</i> , <b>2017</b> , 18, 554-562	3.8	16
259	Light-Patterned Current Generation in a Droplet Bilayer Array. <i>Scientific Reports</i> , <b>2017</b> , 7, 46585	4.9	16
258	Multi-compartment encapsulation of communicating droplets and droplet networks in hydrogel as a model for artificial cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 45167	4.9	47
257	Single-molecule DNA sequencing: Getting to the bottom of the well. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 1116-1117	28.7	8
256	A new class of hybrid secretion system is employed in <i>Pseudomonas amyloid</i> biogenesis. <i>Nature Communications</i> , <b>2017</b> , 8, 263	17.4	41
255	Light-patterning of synthetic tissues with single droplet resolution. <i>Scientific Reports</i> , <b>2017</b> , 7, 9315	4.9	38
254	Functional aqueous droplet networks. <i>Molecular BioSystems</i> , <b>2017</b> , 13, 1658-1691		44
253	Gel Microrods for 3D Tissue Printing. <i>Advanced Biology</i> , <b>2017</b> , 1, e1700075	3.5	20
252	High-Resolution Patterned Cellular Constructs by Droplet-Based 3D Printing. <i>Scientific Reports</i> , <b>2017</b> , 7, 7004	4.9	105
251	Membrane pores: from structure and assembly, to medicine and technology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2017</b> , 372,	5.8	8
250	A monodisperse transmembrane helical peptide barrel. <i>Nature Chemistry</i> , <b>2017</b> , 9, 411-419	17.6	60
249	Strategies in the Design and Use of Synthetic "Internal Glycan" Vaccines. <i>Methods in Enzymology</i> , <b>2017</b> , 597, 335-357	1.7	
248	Semisynthetic Nanoreactor for Reversible Single-Molecule Covalent Chemistry. <i>ACS Nano</i> , <b>2016</b> , 10, 8843-8850	16.9	16
247	New technologies for DNA analysis--a review of the READNA Project. <i>New Biotechnology</i> , <b>2016</b> , 33, 311-324	3.4	10
246	3D-printed synthetic tissues. <i>Biochemist</i> , <b>2016</b> , 38, 16-19	0.5	4
245	Light-activated communication in synthetic tissues. <i>Science Advances</i> , <b>2016</b> , 2, e1600056	14.3	115
244	Chemical polyglycosylation and nanolitre detection enables single-molecule recapitulation of bacterial sugar export. <i>Nature Chemistry</i> , <b>2016</b> , 8, 461-9	17.6	25

243	Engineered transmembrane pores. <i>Current Opinion in Chemical Biology</i> , <b>2016</b> , 34, 117-126	9.7	62
242	Nucleobase Recognition by Truncated $\beta$ -Hemolysin Pores. <i>ACS Nano</i> , <b>2015</b> , 9, 7895-903	16.7	31
241	DNA stretching and optimization of nucleobase recognition in enzymatic nanopore sequencing. <i>Nanotechnology</i> , <b>2015</b> , 26, 084002	3.4	18
240	Semisynthetic protein nanoreactor for single-molecule chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 13768-73	11.5	41
239	High-throughput optical sensing of nucleic acids in a nanopore array. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 986-91	28.7	102
238	Nanopore sequencing: from imagination to reality. <i>Clinical Chemistry</i> , <b>2015</b> , 61, 25-31	5.5	160
237	Continuous observation of the stochastic motion of an individual small-molecule walker. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 76-83	28.7	42
236	A droplet microfluidic system for sequential generation of lipid bilayers and transmembrane electrical recordings. <i>Lab on A Chip</i> , <b>2015</b> , 15, 541-8	7.2	35
235	Innentitelbild: Pim Kinase Inhibitors Evaluated with a Single-Molecule Engineered Nanopore Sensor (Angew. Chem. 28/2015). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8114-8114	3.6	
234	Pim Kinase Inhibitors Evaluated with a Single-Molecule Engineered Nanopore Sensor. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8154-9	16.4	20
233	Pim Kinase Inhibitors Evaluated with a Single-Molecule Engineered Nanopore Sensor. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8272-8277	3.6	5
232	The role of lipids in mechanosensation. <i>Nature Structural and Molecular Biology</i> , <b>2015</b> , 22, 991-8	17.6	111
231	Single-molecule site-specific detection of protein phosphorylation with a nanopore. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 179-81	44.5	171
230	Detection of 3' RNA uridylation with a protein nanopore. <i>ACS Nano</i> , <b>2014</b> , 8, 1364-74	16.7	29
229	Designing a hydrophobic barrier within biomimetic nanopores. <i>ACS Nano</i> , <b>2014</b> , 8, 11268-79	16.7	25
228	Single-molecule analysis of chirality in a multicomponent reaction network. <i>Nature Chemistry</i> , <b>2014</b> , 6, 603-7	17.6	40
227	Construction and manipulation of functional three-dimensional droplet networks. <i>ACS Nano</i> , <b>2014</b> , 8, 771-9	16.7	43
226	Protein co-translocational unfolding depends on the direction of pulling. <i>Nature Communications</i> , <b>2014</b> , 5, 4841	17.4	47

225	Functional truncated membrane pores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 2425-30	11.5	53
224	Porphyryns for probing electrical potential across lipid bilayer membranes by second harmonic generation. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9044-8	16.4	30
223	Single-molecule interrogation of a bacterial sugar transporter allows the discovery of an extracellular inhibitor. <i>Nature Chemistry</i> , <b>2013</b> , 5, 651-9	17.6	33
222	An engineered dimeric protein pore that spans adjacent lipid bilayers. <i>Nature Communications</i> , <b>2013</b> , 4, 1725	17.4	32
221	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> , <b>2013</b> , 110, E4417-26	11.5	41
220	Nanopore-based identification of individual nucleotides for direct RNA sequencing. <i>Nano Letters</i> , <b>2013</b> , 13, 6144-50	11.5	83
219	Rates and stoichiometries of metal ion probes of cysteine residues within ion channels. <i>Biophysical Journal</i> , <b>2013</b> , 105, 356-64	2.9	18
218	Multistep protein unfolding during nanopore translocation. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 288-95	28.7	215
217	Single-molecule detection of 5-hydroxymethylcytosine in DNA through chemical modification and nanopore analysis. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 4350-5	16.4	53
216	A tissue-like printed material. <i>Science</i> , <b>2013</b> , 340, 48-52	33.3	395
215	Translocating kilobase RNA through the Staphylococcal Hemolysin nanopore. <i>Nano Letters</i> , <b>2013</b> , 13, 2500-5	11.5	45
214	Intrinsically disordered protein threads through the bacterial outer-membrane porin OmpF. <i>Science</i> , <b>2013</b> , 340, 1570-4	33.3	96
213	Porphyryns for Probing Electrical Potential Across Lipid Bilayer Membranes by Second Harmonic Generation. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 9214-9218	3.6	4
212	Single-Molecule Detection of 5-Hydroxymethylcytosine in DNA through Chemical Modification and Nanopore Analysis. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 4446-4451	3.6	9
211	Individual RNA base recognition in immobilized oligonucleotides using a protein nanopore. <i>Nano Letters</i> , <b>2012</b> , 12, 5637-43	11.5	56
210	Probing the orientational distribution of dyes in membranes through multiphoton microscopy. <i>Biophysical Journal</i> , <b>2012</b> , 103, 907-17	2.9	25
209	Single Molecule RNA Base Identification with a Biological Nanopore. <i>Biophysical Journal</i> , <b>2012</b> , 102, 429a-9	2.9	4
208	Are we there yet?: Comment on "Nanopores: A journey towards DNA sequencing" by Meni Wanunu. <i>Physics of Life Reviews</i> , <b>2012</b> , 9, 161-3; discussion 174-6	2.1	7

207	Real-time stochastic detection of multiple neurotransmitters with a protein nanopore. <i>ACS Nano</i> , <b>2012</b> , 6, 5304-8	16.7	53
206	Nucleobase recognition at alkaline pH and apparent pKa of single DNA bases immobilised within a biological nanopore. <i>Chemical Communications</i> , <b>2012</b> , 48, 1520-2	5.8	22
205	Lipid-coated hydrogel shapes as components of electrical circuits and mechanical devices. <i>Scientific Reports</i> , <b>2012</b> , 2, 848	4.9	34
204	Protein detection by nanopores equipped with aptamers. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 2781-7	16.4	234
203	Continuous Stochastic Detection of Amino Acid Enantiomers with a Protein Nanopore. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 9744-9747	3.6	20
202	Continuous stochastic detection of amino acid enantiomers with a protein nanopore. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 9606-9	16.4	62
201	An engineered ClyA nanopore detects folded target proteins by selective external association and pore entry. <i>Nano Letters</i> , <b>2012</b> , 12, 4895-900	11.5	146
200	S-Nitrosothiol Chemistry at the Single-Molecule Level. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 8096-8100	3.6	3
199	S-nitrosothiol chemistry at the single-molecule level. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 7972-6	16.4	13
198	Tetrameric assembly of KvLm K <sup>+</sup> channels with defined numbers of voltage sensors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 16917-22	11.5	14
197	Rapid assembly of a multimeric membrane protein pore. <i>Biophysical Journal</i> , <b>2011</b> , 101, 2679-83	2.9	58
196	Formation of droplet networks that function in aqueous environments. <i>Nature Nanotechnology</i> , <b>2011</b> , 6, 803-8	28.7	145
195	Molecular dynamics simulations of DNA within a nanopore: arginine-phosphate tethering and a binding/sliding mechanism for translocation. <i>Biochemistry</i> , <b>2011</b> , 50, 3777-83	3.2	23
194	Fluorinated amphiphiles control the insertion of hemolysin pores into lipid bilayers. <i>Biochemistry</i> , <b>2011</b> , 50, 1599-606	3.2	18
193	Tuning the cavity of cyclodextrins: altered sugar adaptors in protein pores. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 1987-2001	16.4	37
192	Altered antibiotic transport in OmpC mutants isolated from a series of clinical strains of multi-drug resistant E. coli. <i>PLoS ONE</i> , <b>2011</b> , 6, e25825	3.7	74
191	Permeation of styryl dyes through nanometer-scale pores in membranes. <i>Biochemistry</i> , <b>2011</b> , 50, 7493-502	3.2	17
190	Controlled translocation of individual DNA molecules through protein nanopores with engineered molecular brakes. <i>Nano Letters</i> , <b>2011</b> , 11, 746-50	11.5	103



189	Subunit dimers of alpha-hemolysin expand the engineering toolbox for protein nanopores. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 14324-34	5.4	15
188	A primary hydrogen-deuterium isotope effect observed at the single-molecule level. <i>Nature Chemistry</i> , <b>2010</b> , 2, 921-8	17.6	62
187	Hybrid pore formation by directed insertion of $\alpha$ -hemolysin into solid-state nanopores. <i>Nature Nanotechnology</i> , <b>2010</b> , 5, 874-7	28.7	231
186	Inactivation of the KcsA potassium channel explored with heterotetramers. <i>Journal of General Physiology</i> , <b>2010</b> , 135, 29-42	3.4	19
185	Analysis of single nucleic acid molecules with protein nanopores. <i>Methods in Enzymology</i> , <b>2010</b> , 475, 591-623	6.23	86
184	Urea facilitates the translocation of single-stranded DNA and RNA through the alpha-hemolysin nanopore. <i>Biophysical Journal</i> , <b>2010</b> , 98, 1856-63	2.9	38
183	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> , <b>2010</b> , 107, 8165-70	11.5	87
182	Nucleobase recognition in ssDNA at the central constriction of the alpha-hemolysin pore. <i>Nano Letters</i> , <b>2010</b> , 10, 3633-7	11.5	79
181	Identification of epigenetic DNA modifications with a protein nanopore. <i>Chemical Communications</i> , <b>2010</b> , 46, 8195-7	5.8	148
180	????????????DNA?????. <i>Nature Digest</i> , <b>2010</b> , 7, 32-34	0	
179	Multiple Base-Recognition Sites in a Biological Nanopore: Two Heads are Better than One. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 566-569	3.6	13
178	Single-Molecule Kinetics of Two-Step Divalent Cation Chelation. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 5211-5216	3.6	5
177	Multiple base-recognition sites in a biological nanopore: two heads are better than one. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 556-9	16.4	81
176	Single-molecule kinetics of two-step divalent cation chelation. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 5085-90	16.4	34
175	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> , <b>2009</b> , 106, 7702-7	11.5	351
174	Elimination of a bacterial pore-forming toxin by sequential endocytosis and exocytosis. <i>FEBS Letters</i> , <b>2009</b> , 583, 337-44	3.8	124
173	Continuous base identification for single-molecule nanopore DNA sequencing. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 265-70	28.7	1265
172	Droplet networks with incorporated protein diodes show collective properties. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 437-40	28.7	175



171	Simultaneous measurement of ionic current and fluorescence from single protein pores. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 1652-3	16.4	99
170	DNA strands from denatured duplexes are translocated through engineered protein nanopores at alkaline pH. <i>Nano Letters</i> , <b>2009</b> , 9, 3831-6	11.5	37
169	Wrestling with native chemical ligation. <i>ACS Chemical Biology</i> , <b>2009</b> , 4, 983-5	4.9	8
168	The potential and challenges of nanopore sequencing <b>2009</b> , 261-268		16
167	The potential and challenges of nanopore sequencing. <i>Nature Biotechnology</i> , <b>2008</b> , 26, 1146-53	44.5	1881
166	Single-molecule detection of nitrogen mustards by covalent reaction within a protein nanopore. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 6813-9	16.4	97
165	Droplet interface bilayers. <i>Molecular BioSystems</i> , <b>2008</b> , 4, 1191-208		333
164	Asymmetric droplet interface bilayers. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5878-9	16.4	150
163	Screening blockers against a potassium channel with a droplet interface bilayer array. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 15543-8	16.4	114
162	Enhanced translocation of single DNA molecules through alpha-hemolysin nanopores by manipulation of internal charge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 19720-5	11.5	209
161	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> , <b>2008</b> , 105, 6272-7	11.5	131
160	Peptide backbone mutagenesis of putative gating hinges in a potassium ion channel. <i>ChemBioChem</i> , <b>2008</b> , 9, 1725-8	3.8	5
159	Orientation of the monomeric porin OmpG in planar lipid bilayers. <i>ChemBioChem</i> , <b>2008</b> , 9, 3029-36	3.8	20
158	Single-Molecule Covalent Chemistry in a Protein Nanoreactor. <i>Springer Series in Biophysics</i> , <b>2008</b> , 251-277		44
157	Catalyzing the translocation of polypeptides through attractive interactions. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 14034-41	16.4	121
156	A storable encapsulated bilayer chip containing a single protein nanopore. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 4701-5	16.4	120
155	Electrical behavior of droplet interface bilayer networks: experimental analysis and modeling. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 11854-64	16.4	80
154	Membrane protein stoichiometry determined from the step-wise photobleaching of dye-labelled subunits. <i>ChemBioChem</i> , <b>2007</b> , 8, 994-9	3.8	95

153	Formation of a chiral center and pyrimidal inversion at the single-molecule level. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 7412-6	16.4	25
152	Formation of a Chiral Center and Pyrimidal Inversion at the Single-Molecule Level. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 7556-7560	3.6	10
151	Stochastic detection of motor protein-RNA complexes by single-channel current recording. <i>ChemPhysChem</i> , <b>2007</b> , 8, 2189-94	3.2	30
150	Functional bionetworks from nanoliter water droplets. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8650-5	16.4	275
149	Protein nanopores with covalently attached molecular adapters. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 16142-8	16.4	103
148	A genetically encoded pore for the stochastic detection of a protein kinase. <i>ChemBioChem</i> , <b>2006</b> , 7, 1923-8	3.8	47
147	Temperature-responsive protein pores. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 15332-40	16.4	108
146	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> , <b>2006</b> , 128, 12404-5	16.4	111
145	Role of the amino latch of staphylococcal alpha-hemolysin in pore formation: a co-operative interaction between the N terminus and position 217. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 2195-204	5.4	43
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