Annelise E Barron

List of Publications by Year in Descending Order

147 papers	7,837 citations	46 h-index	84 g-index
155 ext. papers	8,429 ext. citations	5.9 avg, IF	5.83 L-index

#	Paper	IF	Citations
147	Self-Assembly of Antimicrobial Peptoids Impacts Their Biological Effects on Bacterial Pathogens.. *ACS Infectious Diseases*, **2022**,	5.5	6
146	Efficacy of Cathelicidin-Mimetic Antimicrobial Peptoids against Staphylococcus aureus.. *Microbiology Spectrum*, **2022**, e0053422	8.9	1
145	Broad-spectrum CRISPR-mediated inhibition of SARS-CoV-2 variants and endemic coronaviruses in vitro.. *Nature Communications*, **2022**, 13, 2766	17.4	0
144	Targeting Impaired Antimicrobial Immunity in the Brain for the Treatment of Alzheimer's Disease. *Neuropsychiatric Disease and Treatment*, **2021**, 17, 1311-1339	3.1	5
143	Hyperactivation of monocytes and macrophages in MCI patients contributes to the progression of Alzheimer's disease. *Immunity and Ageing*, **2021**, 18, 29	9.7	1
142	Potent Antiviral Activity against HSV-1 and SARS-CoV-2 by Antimicrobial Peptoids. *Pharmaceuticals*, **2021**, 14,	5.2	11
141	Targeting Infectious Agents as a Therapeutic Strategy in Alzheimer's Disease. *CNS Drugs*, **2020**, 34, 673-695	6.7	10
140	Optimizing Exogenous Surfactant as a Pulmonary Delivery Vehicle for Chicken Cathelicidin-2. *Scientific Reports*, **2020**, 10, 9392	4.9	1
139	Das humane Wirtsabwehrpeptid Cathelicidin LL-37 ist ein nanomolarer Inhibitor der amyloiden Selbstassoziation von Inselamyloid-Polypeptid (IAPP). *Angewandte Chemie*, **2020**, 132, 12937-12941	3.6	0
138	Halogenation as a tool to tune antimicrobial activity of peptoids. *Scientific Reports*, **2020**, 10, 14805	4.9	15
137	The Human Host-Defense Peptide Cathelicidin LL-37 is a Nanomolar Inhibitor of Amyloid Self-Assembly of Islet Amyloid Polypeptide (IAPP). *Angewandte Chemie - International Edition*, **2020**, 59, 12837-12841	16.4	17
136	Helical side chain chemistry of a peptoid-based SP-C analogue: Balancing structural rigidity and biomimicry. *Biopolymers*, **2019**, 110, e23277	2.2	3
135	Effective in vivo treatment of acute lung injury with helical, amphipathic peptoid mimics of pulmonary surfactant proteins. *Scientific Reports*, **2018**, 8, 6795	4.9	19
134	Effect of side chain hydrophobicity and cationic charge on antimicrobial activity and cytotoxicity of helical peptoids. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 170-173	2.9	29
133	Evidence that the Human Innate Immune Peptide LL-37 May Be a Binding Partner of Abeta and Inhibitor of Fibril Assembly. *Biophysical Journal*, **2018**, 114, 393a	2.9	2
132	Role of Microbes in the Development of Alzheimer's Disease: State of the Art - An International Symposium Presented at the 2017 IAGG Congress in San Francisco. *Frontiers in Genetics*, **2018**, 9, 362	4.5	56
131	Periprosthetic bacterial biofilm and quorum sensing. *Journal of Orthopaedic Research*, **2018**, 36, 2331-2338	3.8	26

130	Intracellular biomass flocculation as a key mechanism of rapid bacterial killing by cationic, amphipathic antimicrobial peptides and peptoids. *Scientific Reports*, **2017**, 7, 16718	4.9	27
129	Evidence that the Human Innate Immune Peptide LL-37 may be a Binding Partner of Amyloid-β and Inhibitor of Fibril Assembly. *Journal of Alzheimer's Disease*, **2017**, 59, 1213-1226	4.3	27
128	In Vivo, In Vitro, and In Silico Characterization of Peptoids as Antimicrobial Agents. *PLoS ONE*, **2016**, 11, e0135961	3.7	64
127	Prostate tumor specific peptide-peptoid hybrid prodrugs. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 2849-52	2.9	14
126	Human antimicrobial peptide LL-37 induces glial-mediated neuroinflammation. *Biochemical Pharmacology*, **2015**, 94, 130-41	6	34
125	A tunable silk-alginate hydrogel scaffold for stem cell culture and transplantation. *Biomaterials*, **2014**, 35, 3736-43	15.6	72
124	No evidence of pathogenic involvement of cathelicidins in patient cohorts and mouse models of lupus and arthritis. *PLoS ONE*, **2014**, 9, e115474	3.7	26
123	Vipericidins: a novel family of cathelicidin-related peptides from the venom gland of South American pit vipers. *Amino Acids*, **2014**, 46, 2561-71	3.5	46
122	Learning from host-defense peptides: cationic, amphipathic peptoids with potent anticancer activity. *PLoS ONE*, **2014**, 9, e90397	3.7	51
121	Protein polymer hydrogels: effects of endotoxin on biocompatibility. *Journal of Biomaterials Applications*, **2013**, 28, 395-406	2.9	7
120	Simultaneous detection of 19 K-ras mutations by free-solution conjugate electrophoresis of ligase detection reaction products on glass microchips. *Electrophoresis*, **2013**, 34, 590-7	3.6	13
119	A readily applicable strategy to convert peptides to peptoid-based therapeutics. *PLoS ONE*, **2013**, 8, e58874	3.7	16
118	Enhanced function of pancreatic islets co-encapsulated with ECM proteins and mesenchymal stromal cells in a silk hydrogel. *Biomaterials*, **2012**, 33, 6691-7	15.6	131
117	Quantitative experimental determination of primer-dimer formation risk by free-solution conjugate electrophoresis. *Electrophoresis*, **2012**, 33, 483-91	3.6	6
116	Alginate-PEG sponge architecture and role in the design of insulin release dressings. *Biomacromolecules*, **2012**, 13, 1478-85	6.9	36
115	1072 INHIBITION OF BLADDER CANCER CELL GROWTH BY TREATMENT WITH SYNTHETICALLY DERIVED ANTI-CANCER PEPTOIDS. *Journal of Urology*, **2012**, 187,	2.5	1
114	Peptoid transporters: effects of cationic, amphipathic structure on their cellular uptake. *Molecular BioSystems*, **2012**, 8, 2626-8		18
113	In vivo biodistribution and small animal PET of (64)Cu-labeled antimicrobial peptoids. *Bioconjugate Chemistry*, **2012**, 23, 1069-79	6.3	43

112	A Four-Arm Star-Shaped Poly(ethylene glycol) (StarPEG) Platform for Bombesin Peptide Delivery to Gastrin-Releasing Peptide Receptors in Prostate Cancer. *ACS Macro Letters*, **2012**, 1, 753-757	6.6	7
111	Synthesis and assembly of functional high molecular weight adiponectin multimers in an engineered strain of Escherichia coli. *Biomacromolecules*, **2012**, 13, 1035-42	6.9	4
110	Monodisperse, "highly" positively charged protein polymer drag-tags generated in an intein-mediated purification system used in free-solution electrophoretic separations of DNA. *Biomacromolecules*, **2012**, 13, 117-23	6.9	2
109	Microfabricated devices for biomolecule encapsulation. *Electrophoresis*, **2012**, 33, 2639-49	3.6	13
108	Divergent dispersion behavior of ssDNA fragments during microchip electrophoresis in pDMA and LPA entangled polymer networks. *Electrophoresis*, **2012**, 33, 1411-20	3.6	7
107	Encapsulation of protein microfiber networks supporting pancreatic islets. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 3384-91	5.4	8
106	Visualizing and quantifying cell phenotype using soft X-ray tomography. *BioEssays*, **2012**, 34, 320-7	4.1	43
105	Biomimetic N-terminal alkylation of peptoid analogues of surfactant protein C. *Biophysical Journal*, **2011**, 101, 1076-85	2.9	17
104	Blinded study determination of high sensitivity and specificity microchip electrophoresis-SSCP/HA to detect mutations in the p53 gene. *Electrophoresis*, **2011**, 32, 2921-9	3.6	7
103	Landscape of next-generation sequencing technologies. *Analytical Chemistry*, **2011**, 83, 4327-41	7.8	253
102	Functional synergy between antimicrobial peptoids and peptides against Gram-negative bacteria. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 5399-402	5.9	35
101	Protein polymer MRI contrast agents: Longitudinal analysis of biomaterials in vivo. *Magnetic Resonance in Medicine*, **2011**, 65, 220-8	4.4	20
100	Free-solution electrophoretic separations of DNA-drag-tag conjugates on glass microchips with no polymer network and no loss of resolution at increased electric field strength. *Electrophoresis*, **2011** , 32, 1201-8	3.6	6
99	Ultrafast, efficient separations of large-sized dsDNA in a blended polymer matrix by microfluidic chip electrophoresis: a design of experiments approach. *Electrophoresis*, **2011**, 32, 3233-40	3.6	13
98	NMEGylation: a novel modification to enhance the bioavailability of therapeutic peptides. *Biopolymers*, **2011**, 96, 688-93	2.2	9
97	Progress in the de novo design of structured peptoid protein mimics. *Biopolymers*, **2011**, 96, 556-60	2.2	12
96	A chemically synthesized peptoid-based drag-tag enhances free-solution DNA sequencing by capillary electrophoresis. *Biopolymers*, **2011**, 96, 702-7	2.2	9
95	Completely monodisperse, highly repetitive proteins for bioconjugate capillary electrophoresis: development and characterization. *Biomacromolecules*, **2011**, 12, 2275-84	6.9	9

94	Purification of HIV RNA from serum using a polymer capture matrix in a microfluidic device. *Analytical Chemistry*, **2011**, 83, 982-8	7.8	22
93	A 265-base DNA sequencing read by capillary electrophoresis with no separation matrix. *Analytical Chemistry*, **2011**, 83, 509-15	7.8	25
92	Tunable, post-translational hydroxylation of collagen Domains in Escherichia coli. *ACS Chemical Biology*, **2011**, 6, 320-4	4.9	39
91	A fluorescence polarization assay using an engineered human respiratory syncytial virus F protein as a direct screening platform. *Analytical Biochemistry*, **2011**, 409, 195-201	3.1	11
90	Non-ionic, thermo-responsive DEA/DMA nanogels: synthesis, characterization, and use for DNA separations by microchip electrophoresis. *Journal of Colloid and Interface Science*, **2011**, 357, 345-53	9.3	18
89	Peptoids: bio-inspired polymers as potential pharmaceuticals. *Current Pharmaceutical Design*, **2011**, 17, 2732-47	3.3	59
88	Efficacy of antimicrobial peptoids against Mycobacterium tuberculosis. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 3058-62	5.9	80
87	Short alkylated peptoid mimics of antimicrobial lipopeptides. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 417-20	5.9	94
86	Antimicrobial peptoids are effective against Pseudomonas aeruginosa biofilms. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 3054-7	5.9	101
85	Biophysical Mechanisms of Host Defense Peptide (HDP) Toxicity as Revealed by a Study of Peptoid Mimics of HDPs. *FASEB Journal*, **2011**, 25, 206.2	0.9	1
84	Novel peptoid building blocks: synthesis of functionalized aromatic helix-inducing submonomers. *Organic Letters*, **2010**, 12, 492-5	6.2	45
83	Biophysical mimicry of lung surfactant protein B by random nylon-3 copolymers. *Journal of the American Chemical Society*, **2010**, 132, 7957-67	16.4	31
82	Mimicking SP-C palmitoylation on a peptoid-based SP-B analogue markedly improves surface activity. *Biochimica Et Biophysica Acta - Biomembranes*, **2010**, 1798, 1663-78	3.8	14
81	Multivalent protein polymer MRI contrast agents: controlling relaxivity via modulation of amino acid sequence. *Biomacromolecules*, **2010**, 11, 1429-36	6.9	34
80	Comparing bacterial membrane interactions of antimicrobial peptides and their mimics. *Methods in Molecular Biology*, **2010**, 618, 171-82	1.4	32
79	Sustained prolonged topical delivery of bioactive human insulin for potential treatment of cutaneous wounds. *International Journal of Pharmaceutics*, **2010**, 398, 146-54	6.5	42
78	Modular enzymatically crosslinked protein polymer hydrogels for in situ gelation. *Biomaterials*, **2010**, 31, 7288-97	15.6	75
77	Soft X-ray tomography of phenotypic switching and the cellular response to antifungal peptoids in Candida albicans. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 19375-80	11.5	114

76	Size-based protein separations by microchip electrophoresis using an acid-labile surfactant as a replacement for SDS. *Electrophoresis*, **2009**, 30, 2117-22	3.6	15
75	DNA migration mechanism analyses for applications in capillary and microchip electrophoresis. *Electrophoresis*, **2009**, 30, 2014-24	3.6	16
74	Close mimicry of lung surfactant protein B by "clicked" dimers of helical, cationic peptoids. *Biopolymers*, **2009**, 92, 538-53	2.2	23
73	Self-assembling peptide-lipoplexes for substrate-mediated gene delivery. *Acta Biomaterialia*, **2009**, 5, 903-12	10.8	34
72	Synthesis and characterization of a new class of cationic protein polymers for multivalent display and biomaterial applications. *Biomacromolecules*, **2009**, 10, 1125-34	6.9	30
71	Engineering surfaces for substrate-mediated gene delivery using recombinant proteins. *Biomacromolecules*, **2009**, 10, 2779-86	6.9	20
70	Experimental and theoretical investigation of chain length and surface coverage on fouling of surface grafted polypeptoids. *Biointerphases*, **2009**, 4, FA22-32	1.8	45
69	Chemoselective and microwave-assisted synthesis of glycopeptoids. *Organic Letters*, **2009**, 11, 5210-3	6.2	45
68	Biomimicry of surfactant protein C. *Accounts of Chemical Research*, **2008**, 41, 1409-17	24.3	30
67	Sequencing of DNA by free-solution capillary electrophoresis using a genetically engineered protein polymer drag-tag. *Analytical Chemistry*, **2008**, 80, 2842-8	7.8	30
66	Effects of hydrophobic helix length and side chain chemistry on biomimicry in peptoid analogues of SP-C. *Biochemistry*, **2008**, 47, 1808-18	3.2	45
65	Peptoids that mimic the structure, function, and mechanism of helical antimicrobial peptides. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 2794-9	11.5	481
64	Ultrafast DNA sequencing on a microchip by a hybrid separation mechanism that gives 600 bases in 6.5 minutes. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 476-81	11.5	54
63	Surface-immobilised antimicrobial peptoids. *Biofouling*, **2008**, 24, 439-48	3.3	90
62	Peptide-mediated lipofection is governed by lipoplex physical properties and the density of surface-displayed amines. *Journal of Pharmaceutical Sciences*, **2008**, 97, 4794-806	3.9	15
61	Ligase detection reaction for the analysis of point mutations using free-solution conjugate electrophoresis in a polymer microfluidic device. *Electrophoresis*, **2008**, 29, 4751-60	3.6	20
60	Polymer systems designed specifically for DNA sequencing by microchip electrophoresis: a comparison with commercially available materials. *Electrophoresis*, **2008**, 29, 4652-62	3.6	17
59	Hydrophobically modified polyacrylamide block copolymers for fast, high-resolution DNA sequencing in microfluidic chips. *Electrophoresis*, **2008**, 29, 4669-76	3.6	12

58	Thermoresponsive N-alkoxyalkylacrylamide polymers as a sieving matrix for high-resolution DNA separations on a microfluidic chip. *Electrophoresis*, **2008**, 29, 4677-83	3.6	5
57	DNA sequencing by microchip electrophoresis using mixtures of high- and low-molar mass poly(N,N-dimethylacrylamide) matrices. *Electrophoresis*, **2008**, 29, 4663-8	3.6	10
56	Advantages and limitations of next-generation sequencing technologies: a comparison of electrophoresis and non-electrophoresis methods. *Electrophoresis*, **2008**, 29, 4618-26	3.6	111
55	Protein and peptide biomimicry: Gold-mining inspiration from Nature'S ingenuity. *AICHE Journal*, **2008**, 54, 2-8	3.6	27
54	Multiplexed p53 mutation detection by free-solution conjugate microchannel electrophoresis with polyamide drag-tags. *Analytical Chemistry*, **2007**, 79, 1848-54	7.8	23
53	Stochastic single-molecule videomicroscopy methods to measure electrophoretic DNA migration modalities in polymer solutions above and below entanglement. *Analytical Chemistry*, **2007**, 79, 7740-7	7.8	12
52	Lipid composition greatly affects the in vitro surface activity of lung surfactant protein mimics. *Colloids and Surfaces B: Biointerfaces*, **2007**, 57, 37-55	6	21
51	Free-solution electrophoresis of DNA modified with drag-tags at both ends. *Electrophoresis*, **2006**, 27, 1702-12	3.6	25
50	What is the future of electrophoresis in large-scale genomic sequencing?. *Electrophoresis*, **2006**, 27, 3689-702	3.6	31
49	The potential of electrophoretic mobility shift assays for clinical mutation detection. *Electrophoresis*, **2006**, 27, 3805-15	3.6	41
48	An optimized microchip electrophoresis system for mutation detection by tandem SSCP and heteroduplex analysis for p53 gene exons 5-9. *Electrophoresis*, **2006**, 27, 3823-35	3.6	24
47	A threaded loop conformation adopted by a family of peptoid nonamers. *Journal of the American Chemical Society*, **2006**, 128, 1733-8	16.4	113
46	Effects of including an N-terminal insertion region and arginine-mimetic side chains in helical peptoid analogues of lung surfactant protein B. *Biochemistry*, **2006**, 45, 11809-18	3.2	38
45	Self-associating block copolymer networks for microchip electrophoresis provide enhanced DNA separation via "inchworm" chain dynamics. *Analytical Chemistry*, **2006**, 78, 4409-15	7.8	19
44	Comblike, monodisperse polypeptoid drag-tags for DNA separations by end-labeled free-solution electrophoresis (ELFSE). *Bioconjugate Chemistry*, **2005**, 16, 929-38	6.3	40
43	Poly(acrylamide-co-alkylacrylamides) for electrophoretic DNA purification in microchannels. *Analytical Chemistry*, **2005**, 77, 772-9	7.8	45
42	New peptidomimetic polymers for antifouling surfaces. *Journal of the American Chemical Society*, **2005**, 127, 7972-3	16.4	367
41	Versatile Oligo(N-Substituted) Glycines: The Many Roles of Peptoids in Drug Discovery **2005**, 1-31		19

40	Simple, helical peptoid analogs of lung surfactant protein B. *Chemistry and Biology*, **2005**, 12, 77-88		71
39	Protein polymer drag-tags for DNA separations by end-labeled free-solution electrophoresis. *Electrophoresis*, **2005**, 26, 2138-48	3.6	29
38	End-labeled free-solution electrophoresis of DNA. *Electrophoresis*, **2005**, 26, 331-50	3.6	96
37	Optical monitoring of bubble size and shape in a pulsating bubble surfactometer. *Journal of Applied Physiology*, **2005**, 99, 624-33	3.7	15
36	DNA sequencing and genotyping in miniaturized electrophoresis systems. *Electrophoresis*, **2004**, 25, 3564-88	3.6	95
35	Sparsely cross-linked "nanogel" matrixes as fluid, mechanically stabilized polymer networks for high-throughput microchannel DNA sequencing. *Analytical Chemistry*, **2004**, 76, 5249-56	7.8	39
34	Characterization of glutamine deamidation in a long, repetitive protein polymer via bioconjugate capillary electrophoresis. *Biomacromolecules*, **2004**, 5, 618-27	6.9	14
33	A novel thermogelling matrix for microchannel DNA sequencing based on poly-N-alkoxyalkylacrylamide copolymers. *Electrophoresis*, **2003**, 24, 4161-9	3.6	17
32	Sparsely cross-linked "nanogels" for microchannel DNA sequencing. *Electrophoresis*, **2003**, 24, 4170-80	3.6	22
31	Microchannel wall coatings for protein separations by capillary and chip electrophoresis. *Electrophoresis*, **2003**, 24, 34-54	3.6	255
30	Poly-N-hydroxyethylacrylamide as a novel, adsorbed coating for protein separation by capillary electrophoresis. *Electrophoresis*, **2003**, 24, 1166-75	3.6	87
29	Helical peptoid mimics of lung surfactant protein C. *Chemistry and Biology*, **2003**, 10, 1057-63		72
28	Helical peptoid mimics of magainin-2 amide. *Journal of the American Chemical Society*, **2003**, 125, 12092-3	16.4	316
27	Structural and spectroscopic studies of peptoid oligomers with alpha-chiral aliphatic side chains. *Journal of the American Chemical Society*, **2003**, 125, 13525-30	16.4	245
26	Optimized sample preparation for tandem capillary electrophoresis single-stranded conformational polymorphism/ heteroduplex analysis. *BioTechniques*, **2002**, 33, 318-20, 322, 324-5	2.5	15
25	Technical challenges in applying capillary electrophoresis-single strand conformation polymorphism for routine genetic analysis. *Electrophoresis*, **2002**, 23, 1375-85	3.6	53
24	Poly-N-hydroxyethylacrylamide (polyDuramide): a novel, hydrophilic, self-coating polymer matrix for DNA sequencing by capillary electrophoresis. *Electrophoresis*, **2002**, 23, 1429-40	3.6	67
23	Critical factors for high-performance physically adsorbed (dynamic) polymeric wall coatings for capillary electrophoresis of DNA. *Electrophoresis*, **2002**, 23, 2766-76	3.6	79

22	Extreme stability of helices formed by water-soluble poly-N-substituted glycines (polypeptoids) with alpha-chiral side chains. *Biopolymers*, **2002**, 63, 12-20	2.2	132
21	Mimicry of bioactive peptides via non-natural, sequence-specific peptidomimetic oligomers. *Current Opinion in Chemical Biology*, **2002**, 6, 872-7	9.7	232
20	High-throughput, high-sensitivity genetic mutation detection by tandem single-strand conformation polymorphism/heteroduplex analysis capillary array electrophoresis. *Analytical Chemistry*, **2002**, 74, 2565-72	7.8	62
19	Profiling solid-phase synthesis products by free-solution conjugate capillary electrophoresis. *Bioconjugate Chemistry*, **2002**, 13, 663-70	6.3	22
18	Multiplexed, high-throughput genotyping by single-base extension and end-labeled free-solution electrophoresis. *Analytical Chemistry*, **2002**, 74, 4328-33	7.8	81
17	A New Cloning Method for the Preparation of Long Repetitive Polypeptides without a Sequence Requirement. *Macromolecules*, **2002**, 35, 8281-8287	5.5	45
16	Impact of polymer hydrophobicity on the properties and performance of DNA sequencing matrices for capillary electrophoresis. *Electrophoresis*, **2001**, 22, 737-47	3.6	65
15	The use of light scattering for precise characterization of polymers for DNA sequencing by capillary electrophoresis. *Electrophoresis*, **2001**, 22, 4118-28	3.6	24
14	Peptoid oligomers with alpha-chiral, aromatic side chains: sequence requirements for the formation of stable peptoid helices. *Journal of the American Chemical Society*, **2001**, 123, 6778-84	16.4	199
13	Microchannel DNA sequencing matrices with a thermally controlled "viscosity switch". *Analytical Chemistry*, **2001**, 73, 157-64	7.8	105
12	Peptoid oligomers with alpha-chiral, aromatic side chains: effects of chain length on secondary structure. *Journal of the American Chemical Society*, **2001**, 123, 2958-63	16.4	169
11	Molar mass profiling of synthetic polymers by free-solution capillary electrophoresis of DNA-polymer conjugates. *Analytical Chemistry*, **2001**, 73, 1795-803	7.8	54
10	Polymeric matrices for DNA sequencing by capillary electrophoresis. *Electrophoresis*, **2000**, 21, 4096-111	3.6	110
9	DNA sequencing up to 1300 bases in two hours by capillary electrophoresis with mixed replaceable linear polyacrylamide solutions. *Analytical Chemistry*, **2000**, 72, 1045-52	7.8	131
8	Capillary electrophoresis of DNA in uncrosslinked polymer solutions: evidence for a new mechanism of DNA separation. *Biotechnology and Bioengineering*, **1996**, 52, 259-70	4.9	13
7	Capillary Electrophoretic Separation of DNA Restriction Fragments in Mixtures of Low- and High-Molecular-Weight Hydroxyethylcellulose. *Industrial & Engineering Chemistry Research*, **1996**, 35, 2900-2908	3.9	26
6	The effects of polymer properties on DNA separations by capillary electrophoresis in uncross-linked polymer solutions. *Electrophoresis*, **1996**, 17, 744-57	3.6	117
5	DNA Separations by Slab Gel, and Capillary Electrophoresis: Theory and Practice. *Separation and Purification Reviews*, **1995**, 24, 1-118		49

4	The use of coated and uncoated capillaries for the electrophoretic separation of DNA in dilute polymer solutions. *Electrophoresis*, **1995**, 16, 64-74	3.6	74
3	A transient entanglement coupling mechanism for DNA separation by capillary electrophoresis in ultradilute polymer solutions. *Electrophoresis*, **1994**, 15, 597-615	3.6	194
2	Capillary electrophoresis of DNA in uncross-linked polymer solutions. *Journal of Chromatography A*, **1993**, 652, 3-16	4.5	205
1	Microchip-Based Sanger Sequencing of DNA153-163		1