

# Stephanie Allen

## List of Publications by Year in descending order

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87  
papers

3,494  
citations

126907

33  
h-index

149698

56  
g-index

90  
all docs

90  
docs citations

90  
times ranked

4581  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel inhibitors of AChE and A $\beta$ aggregation with neuroprotective properties as lead compounds for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2022, 235, 114305.	5.5	19
2	Discovery of Novel Tacrine-Pyrimidone Hybrids as Potent Dual AChE/GSK-3 Inhibitors for the Treatment of Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7483-7506.	6.4	37
3	In vivo Evaluation of a Newly Synthesized Acetylcholinesterase Inhibitor in a Transgenic <i>Drosophila</i> Model of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 691222.	2.8	9
4	Localized Induction of Gene Expression in Embryonic Stem Cell Aggregates Using Holographic Optical Tweezers to Create Biochemical Gradients. <i>Regenerative Engineering and Translational Medicine</i> , 2020, 6, 251-261.	2.9	1
5	Mechanistic investigations into the encapsulation and release of small molecules and proteins from a supramolecular nucleoside gel in vitro and in vivo. <i>Journal of Controlled Release</i> , 2020, 317, 118-129.	9.9	8
6	Low Molecular Weight Nucleoside Gelators: A Platform for Protein Aggregation Inhibition. <i>Molecular Pharmaceutics</i> , 2019, 16, 462-467.	4.6	3
7	Engineered Polymer-Transferrin Conjugates as Self-Assembling Targeted Drug Delivery Systems. <i>Biomacromolecules</i> , 2017, 18, 1532-1543.	5.4	23
8	The effect of protein concentration on the viscosity of a recombinant albumin solution formulation. <i>RSC Advances</i> , 2016, 6, 15143-15154.	3.6	33
9	Precision Assembly of Complex Cellular Microenvironments using Holographic Optical Tweezers. <i>Scientific Reports</i> , 2015, 5, 8577.	3.3	88
10	Analysis of leaf surfaces using scanning ion conductance microscopy. <i>Journal of Microscopy</i> , 2015, 258, 119-126.	1.8	7
11	Phosphonium Polymethacrylates for Short Interfering RNA Delivery: Effect of Polymer and RNA Structural Parameters on Polyplex Assembly and Gene Knockdown. <i>Biomacromolecules</i> , 2015, 16, 3480-3490.	5.4	21
12	Insights into the influence of the cooling profile on the reconstitution times of amorphous lyophilized protein formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 96, 247-254.	4.3	46
13	Bimolecular porous supramolecular networks deposited from solution on layered materials: graphite, boron nitride and molybdenum disulphide. <i>Chemical Communications</i> , 2014, 50, 8882-8885.	4.1	23
14	Study of NAP adsorption and assembly on the surface of HOPG. <i>Peptides</i> , 2014, 62, 55-58.	2.4	4
15	Chemistry and formulations for siRNA therapeutics. <i>Chemical Society Reviews</i> , 2013, 42, 7983.	38.1	77
16	Polymer siRNA conjugates synthesised by controlled radical polymerisation. <i>European Polymer Journal</i> , 2013, 49, 2861-2883.	5.4	12
17	Reply to the Comment on "The structure and formation of hydrogen-bonded molecular networks on Au(111) surfaces revealed by scanning tunnelling and torsional-tapping atomic force microscopy" by I. Cebula, M. T. RÅsÅnen, R. Madueno, B. Karamzadeh and M. Buck, <i>Phys. Chem. Chem. Phys.</i> , 2013, 15, DOI: 10.1039/c3cp50754h. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14128.	2.8	1
18	Multi-modal switching in responsive DNA block co-polymer conjugates. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 16263.	2.8	7

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19	Surface mediated L-phenylalanyl-L-phenylalanine assembly into large dendritic structures. Faraday Discussions, 2013, 166, 257.	3.2	20
20	Well-defined polymeric vesicles with high stability and modulation of cell uptake by a simple coating protocol. Polymer Chemistry, 2012, 3, 2596.	3.9	9
21	The structure and formation of hydrogen-bonded molecular networks on Au(111) surfaces revealed by scanning tunnelling and torsional-tapping atomic force microscopy. Physical Chemistry Chemical Physics, 2012, 14, 15909.	2.8	8
22	Green Chemistry Approach to Surface Decoration: Trimesic Acid Self-Assembly on HOPG. Journal of Physical Chemistry C, 2012, 116, 11519-11525.	3.1	25
23	Multicomponent Synthetic Polymers with Viral-Mimetic Chemistry for Nucleic Acid Delivery. Molecular Pharmaceutics, 2012, 9, 1-13.	4.6	40
24	Understanding the Interfacial Properties of Nanostructured Liquid Crystalline Materials for Surface-Specific Delivery Applications. Langmuir, 2012, 28, 13485-13495.	3.5	31
25	Ferritin-Based New Magnetic Force Microscopic Probe Detecting 10 nm Sized Magnetic Nanoparticles. ACS Nano, 2012, 6, 241-248.	14.6	28
26	High-Temperature Adsorption of <i>p</i> -Terphenylthiol on Au(111) Surfaces. Journal of Physical Chemistry C, 2011, 115, 14899-14906.	3.1	22
27	Responsive hybrid block co-polymer conjugates of proteins—controlled architecture to modulate substrate specificity and solution behaviour. Polymer Chemistry, 2011, 2, 1567.	3.9	52
28	Substrate induced differentiation of human mesenchymal stem cells on hydrogels with modified surface chemistry and controlled modulus. Soft Matter, 2011, 7, 6501.	2.7	73
29	Surface-Templated Fibril Growth of Peptide Fragments from the Shaft Domain of the Adenovirus Fibre Protein. Protein and Peptide Letters, 2011, 18, 268-274.	0.9	4
30	Biomembrane force probe investigation of RNA dissociation. European Biophysics Journal, 2011, 40, 247-257.	2.2	2
31	Patterning the mechanical properties of hydrogen silsesquioxane films using electron beam irradiation for application in mechano cell guidance. Thin Solid Films, 2011, 519, 2003-2010.	1.8	13
32	Dimerization and DNA-dependent aggregation of the Escherichia coli nucleoid protein and chaperone CbpA. Molecular Microbiology, 2010, 77, 1289-1300.	2.5	35
33	Subsecond Self-Assembled Monolayer Formation. Journal of Physical Chemistry C, 2010, 114, 19373-19377.	3.1	3
34	Interaction of reducible polypeptide gene delivery vectors with supported lipid bilayers: pore formation and structure—function relationships. Soft Matter, 2010, 6, 2517.	2.7	3
35	Responsive polyelectrolyte complexes for triggered release of nucleic acid therapeutics. Chemical Communications, 2010, 46, 5421.	4.1	50
36	Thermomechanical Manipulation of Aromatic Peptide Nanotubes. Langmuir, 2009, 25, 7256-7259.	3.5	26

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37	Interactions between Signal-Transducing Proteins Measured by Atomic Force Microscopy. <i>Analytical Chemistry</i> , 2009, 81, 3276-3284.	6.5	19
38	Measurement of interaction forces between fibrinogen coated probes and mica surface with the atomic force microscope: The <i>pH</i> and ionic strength effect. <i>Biointerphases</i> , 2008, 3, 1-8.	1.6	59
39	Single-Molecule Atomic Force Spectroscopy Reveals that DnaD Forms Scaffolds and Enhances Duplex Melting. <i>Journal of Molecular Biology</i> , 2008, 377, 706-714.	4.2	39
40	Combination dual responsive polypeptide vectors for enhanced gene delivery. <i>Molecular BioSystems</i> , 2008, 4, 741.	2.9	17
41	Pectic polysaccharides from <i>Biophytum petersianum</i> Klotzsch, and their activation of macrophages and dendritic cells. <i>Glycobiology</i> , 2008, 18, 1074-1084.	2.5	58
42	Dimerization of the Human Papillomavirus Type 16 E2 N Terminus Results in DNA Looping within the Upstream Regulatory Region. <i>Journal of Virology</i> , 2008, 82, 4853-4861.	3.4	16
43	Immunological and Structural Properties of a Pectic Polymer from <i>Glinus Oppositifolius</i> . <i>Glycobiology</i> , 2007, 17, 1299-1310.	2.5	77
44	Directional Loading and Stimulation of PcrA Helicase by the Replication Initiator Protein RepD. <i>Journal of Molecular Biology</i> , 2007, 371, 336-348.	4.2	47
45	Using the Bending Beam Model to Estimate the Elasticity of Diphenylalanine Nanotubes. <i>Langmuir</i> , 2007, 23, 7443-7446.	3.5	96
46	Dendron Arrays for the Force-Based Detection of DNA Hybridization Events. <i>Journal of the American Chemical Society</i> , 2007, 129, 9349-9355.	13.7	51
47	Accurate velocity measurements of AFM-cantilever vibrations by Doppler interferometry. <i>Journal of Experimental Nanoscience</i> , 2006, 1, 51-62.	2.4	11
48	Direct Observation of the Release of Phenylalanine from Diphenylalanine Nanotubes. <i>Journal of the American Chemical Society</i> , 2006, 128, 6903-6908.	13.7	112
49	Thermal and Chemical Stability of Diphenylalanine Peptide Nanotubes: Implications for Nanotechnological Applications. <i>Langmuir</i> , 2006, 22, 1313-1320.	3.5	349
50	Visualizing the Solubilization of Supported Lipid Bilayers by an Amphiphilic Peptide. <i>Langmuir</i> , 2006, 22, 6273-6279.	3.5	13
51	The DNA-remodelling activity of DnaD is the sum of oligomerization and DNA-binding activities on separate domains. <i>Molecular Microbiology</i> , 2006, 60, 917-924.	2.5	33
52	The <i>Bacillus subtilis</i> Primosomal Protein DnaD Untwists Supercoiled DNA. <i>Journal of Bacteriology</i> , 2006, 188, 5487-5493.	2.2	37
53	Atomic Force Microscopy Study of Human Amylin (20-29) Fibrils. <i>Protein and Peptide Letters</i> , 2005, 12, 79-83.	0.9	15
54	Progressing single biomolecule force spectroscopy measurements for the screening of DNA binding agents. <i>Nanotechnology</i> , 2005, 16, 2325-2333.	2.6	19

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55	Towards nanoscale metrology for biomolecular imaging by atomic force microscopy. <i>Nanotechnology</i> , 2005, 16, 966-973.	2.6	27
56	Molecular Level Investigations of the Inter- and Intramolecular Interactions of pH-Responsive Artificial Triblock Proteins. <i>Biomacromolecules</i> , 2005, 6, 1266-1271.	5.4	31
57	AFM Studies on the Role of the Protein RdgC in Bacterial DNA Recombination. <i>Journal of Molecular Biology</i> , 2005, 350, 254-262.	4.2	36
58	The <i>Bacillus subtilis</i> DnaD and DnaB Proteins Exhibit Different DNA Remodelling Activities. <i>Journal of Molecular Biology</i> , 2005, 351, 66-75.	4.2	60
59	Microelectromechanical system device for calibration of atomic force microscope cantilever spring constants between 0.01 and 4 N/m. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2004, 22, 1444-1449.	2.1	12
60	Evaluation of the Kinetic Properties of the Sporulation Protein SpoIIE of <i>Bacillus subtilis</i> by Inclusion in a Model Membrane. <i>Journal of Bacteriology</i> , 2004, 186, 3195-3201.	2.2	3
61	DnaG interacts with a linker region that joins the N- and C-domains of DnaB and induces the formation of 3-fold symmetric rings. <i>Nucleic Acids Research</i> , 2004, 32, 2977-2986.	14.5	38
62	An Atomic Force Microscopy Study of the Effect of Nanoscale Contact Geometry and Surface Chemistry on the Adhesion of Pharmaceutical Particles. <i>Pharmaceutical Research</i> , 2004, 21, 953-961.	3.5	60
63	Atomic force microscopy studies of generation 4 poly(amidoamine) (PAMAM) dendrimers on functionalized surfaces. <i>Surface Science</i> , 2004, 558, 99-110.	1.9	16
64	pH-Dependent Behavior of Surface-immobilized Artificial Leucine Zipper Proteins. <i>Langmuir</i> , 2004, 20, 7747-7752.	3.5	41
65	Influence of Architecture on the Kinetic Stability of Molecular Assemblies. <i>Journal of the American Chemical Society</i> , 2004, 126, 1318-1319.	13.7	38
66	Single-Molecule Investigations of RNA Dissociation. <i>Biophysical Journal</i> , 2004, 86, 3811-3821.	0.5	33
67	The <i>Bacillus subtilis</i> DnaD protein: a putative link between DNA remodeling and initiation of DNA replication. <i>FEBS Letters</i> , 2004, 577, 460-464.	2.8	26
68	The Clamp-loader-Helicase Interaction in <i>Bacillus</i> . Atomic Force Microscopy Reveals the Structural Organisation of the DnaB-Helicase Complex in <i>Bacillus</i> . <i>Journal of Molecular Biology</i> , 2004, 336, 381-393.	4.2	26
69	Characterization of particle-interactions by atomic force microscopy: effect of contact area. <i>Pharmaceutical Research</i> , 2003, 20, 508-514.	3.5	56
70	Bifunctional atomic force microscopy probes for molecular screening applications. <i>Analytica Chimica Acta</i> , 2003, 479, 77-85.	5.4	11
71	Direct real-time molecular scale visualisation of the degradation of condensed DNA complexes exposed to DNase I. <i>Nucleic Acids Research</i> , 2003, 31, 4001-4005.	14.5	129
72	The Development, Characterization, and Demonstration of a Versatile Immobilization Strategy for Biomolecular Force Measurements. <i>Langmuir</i> , 2002, 18, 6659-6665.	3.5	28

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73	Direct measurement of drug–enzyme interactions by atomic force microscopy; dihydrofolate reductase and methotrexate. <i>Perkin Transactions II RSC</i> , 2002, , 1722-1727.	1.1	7
74	Discriminating small molecule DNA binding modes by single molecule force spectroscopy. <i>FEBS Letters</i> , 2002, 510, 154-158.	2.8	96
75	Mechanical Fingerprints of DNA Drug Complexes. <i>Single Molecules</i> , 2002, 3, 97-103.	0.9	47
76	Force sensing and mapping by atomic force microscopy. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 65-74.	11.4	25
77	Differential scanning calorimetry and scanning thermal microscopy analysis of pharmaceutical materials. <i>International Journal of Pharmaceutics</i> , 2002, 243, 71-82.	5.2	42
78	Investigation of microcontact transfer of proteins from a selectively plasma treated elastomer stamp by fluorescence microscopy and force microscopy. <i>Analyst, The</i> , 2001, 126, 1100-1104.	3.5	4
79	Probing DNA Duplex Formation and DNA–Drug Interactions by the Quartz Crystal Microbalance Technique. <i>Langmuir</i> , 2001, 17, 8300-8304.	3.5	35
80	Characterization of the Surfaces Generated by Liposome Binding to the Modified Dextran Matrix of a Surface Plasmon Resonance Sensor Chip. <i>Analytical Biochemistry</i> , 2000, 280, 29-35.	2.4	128
81	Probing protein–peptide–protein molecular architecture by atomic force microscopy and surface plasmon resonance. <i>Analyst, The</i> , 2000, 125, 245-250.	3.5	15
82	On the dynamic behaviour of the forced dissociation of ligand–receptor pairs. <i>Perkin Transactions II RSC</i> , 2000, , 5-8.	1.1	16
83	The influence of epitope availability on atomic-force microscope studies of antigen–antibody interactions. <i>Biochemical Journal</i> , 1999, 341, 173-178.	3.7	48
84	The influence of epitope availability on atomic-force microscope studies of antigen–antibody interactions. <i>Biochemical Journal</i> , 1999, 341, 173.	3.7	33
85	Detection of Antigen–Antibody Binding Events with the Atomic Force Microscope. <i>Biochemistry</i> , 1997, 36, 7457-7463.	2.5	340
86	Atomic force microscopy in analytical biotechnology. <i>Trends in Biotechnology</i> , 1997, 15, 101-105.	9.3	45
87	Molecular-Scale Studies on Biopolymers Using Atomic Force Microscopy. , 0, , 123-172.		9