

# Paula T Hammond

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7101986/publications.pdf>

Version: 2024-02-01

342  
papers

35,574  
citations

1536

106  
h-index

4015

176  
g-index

356  
all docs

356  
docs citations

356  
times ranked

37626  
citing authors

#	ARTICLE	IF	CITATIONS
1	Power in Numbers: Harnessing Combinatorial and Integrated Screens to Advance Nanomedicine. <i>Jacs Au</i> , 2022, 2, 12-21.	7.9	10
2	Modulating Nanoparticle Size to Understand Factors Affecting Hemostatic Efficacy and Maximize Survival in a Lethal Inferior Vena Cava Injury Model. <i>ACS Nano</i> , 2022, 16, 2494-2510.	14.6	8
3	A review of treatments for non-compressible torso hemorrhage (NCTH) and internal bleeding. <i>Biomaterials</i> , 2022, 283, 121432.	11.4	19
4	A predictive microfluidic model of human glioblastoma to assess trafficking of blood-brain barrier-penetrant nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	46
5	Peptide-Based Cancer Vaccine Delivery via the STING <sup>TM</sup> -cGAMP Complex. <i>Advanced Healthcare Materials</i> , 2022, 11, .	7.6	12
6	Antifouling Surface Coatings from Self-Assembled Zwitterionic Aramid Amphiphile Nanoribbons. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	3
7	Approaches to Modulate the Chronic Wound Environment Using Localized Nucleic Acid Delivery. <i>Advances in Wound Care</i> , 2021, 10, 503-528.	5.1	24
8	Genetically Defined Syngeneic Mouse Models of Ovarian Cancer as Tools for the Discovery of Combination Immunotherapy. <i>Cancer Discovery</i> , 2021, 11, 384-407.	9.4	64
9	A modular polymer microbead angiogenesis scaffold to characterize the effects of adhesion ligand density on angiogenic sprouting. <i>Biomaterials</i> , 2021, 264, 120231.	11.4	11
10	Surface Plasmon-Enhanced Short-Wave Infrared Fluorescence for Detecting Sub-Millimeter-Sized Tumors. <i>Advanced Materials</i> , 2021, 33, e2006057.	21.0	23
11	Lipidome-based Targeting of STAT3-driven Breast Cancer Cells Using Poly-glutamic Acid-coated Layer-by-Layer Nanoparticles. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 726-738.	4.1	4
12	Temporal dynamics of intradermal cytokine response to tuberculin in Mycobacterium bovis BCG-vaccinated cattle using sampling microneedles. <i>Scientific Reports</i> , 2021, 11, 7074.	3.3	7
13	Oxidation-Responsive, Tunable Growth Factor Delivery from Polyelectrolyte-Coated Implants. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001941.	7.6	18
14	Engineering Strategies for Immunomodulatory Cytokine Therapies: Challenges and Clinical Progress. <i>Advanced Therapeutics</i> , 2021, 4, 2100035.	3.2	42
15	High resolution stereolithography fabrication of perfusable scaffolds to enable long-term meso-scale hepatic culture for disease modeling. <i>Biofabrication</i> , 2021, 13, 045024.	7.1	12
16	A design approach for layer-by-layer surface-mediated siRNA delivery. <i>Acta Biomaterialia</i> , 2021, 135, 331-341.	8.3	13
17	In vitro STING Activation with the cGAMP-STING <sup>TM</sup> Signaling Complex. <i>Bio-protocol</i> , 2021, 11, e3905.	0.4	0
18	Safe and Effective In Vivo Targeting and Gene Editing in Hematopoietic Stem Cells: Strategies for Accelerating Development. <i>Human Gene Therapy</i> , 2021, 32, 31-42.	2.7	15

#	ARTICLE	IF	CITATIONS
19	Stiffness of targeted layer-by-layer nanoparticles impacts elimination half-life, tumor accumulation, and tumor penetration. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	34
20	TMOD-11. A PREDICTIVE MICROFLUIDIC MODEL OF VASCULARIZED GLIOMA TUMORS TO ASSESS TRAFFICKING OF THERAPEUTICS ACROSS THE BLOOD-BRAIN BARRIER. Neuro-Oncology, 2021, 23, vi217-vi218.	1.2	0
21	EXTH-26. LAYER-BY-LAYER NANOPARTICLES DESIGNED FOR DUAL BLOOD-BRAIN BARRIER AND GLIOMA TARGETING. Neuro-Oncology, 2021, 23, vi168-vi169.	1.2	0
22	Engineering Helical Modular Polypeptide-Based Hydrogels as Synthetic Extracellular Matrices for Cell Culture. Biomacromolecules, 2020, 21, 566-580.	5.4	23
23	Theranostic Layer-by-Layer Nanoparticles for Simultaneous Tumor Detection and Gene Silencing. Angewandte Chemie, 2020, 132, 2798-2805.	2.0	5
24	Theranostic Layer-by-Layer Nanoparticles for Simultaneous Tumor Detection and Gene Silencing. Angewandte Chemie - International Edition, 2020, 59, 2776-2783.	13.8	55
25	Temporal release of a three-component protein subunit vaccine from polymer multilayers. Journal of Controlled Release, 2020, 317, 130-141.	9.9	30
26	MFSD7C switches mitochondrial ATP synthesis to thermogenesis in response to heme. Nature Communications, 2020, 11, 4837.	12.8	21
27	Cancer Cell Coating Nanoparticles for Optimal Tumor-Specific Cytokine Delivery. ACS Nano, 2020, 14, 11238-11253.	14.6	45
28	Electrostatic Conjugation of Nanoparticle Surfaces with Functional Peptide Motifs. Bioconjugate Chemistry, 2020, 31, 2211-2219.	3.6	21
29	Rational design of multistage drug delivery vehicles for pulmonary RNA interference therapy. International Journal of Pharmaceutics, 2020, 591, 119989.	5.2	9
30	Plasticity of ether lipids promotes ferroptosis susceptibility and evasion. Nature, 2020, 585, 603-608.	27.8	420
31	Enhancing chemotherapy response through augmented synthetic lethality by co-targeting nucleotide excision repair and cell-cycle checkpoints. Nature Communications, 2020, 11, 4124.	12.8	20
32	Self-assembled cGAMP-STING <sup>1</sup> ™ signaling complex as a bioinspired platform for cGAMP delivery. Science Advances, 2020, 6, eaba7589.	10.3	41
33	Engineering PEG-based hydrogels to foster efficient endothelial network formation in free-swelling and confined microenvironments. Biomaterials, 2020, 243, 119921.	11.4	57
34	Theranostic Layer-by-Layer Nanoparticles for Simultaneous Tumor Detection and Gene Silencing (Angew. Chem. 7/2020). Angewandte Chemie, 2020, 132, 2936-2936.	2.0	1
35	Layer-by-Layer Biomaterials for Drug Delivery. Annual Review of Biomedical Engineering, 2020, 22, 1-24.	12.3	142
36	Tuning Nanoparticle Interactions with Ovarian Cancer through Layer-by-Layer Modification of Surface Chemistry. ACS Nano, 2020, 14, 2224-2237.	14.6	64

#	ARTICLE	IF	CITATIONS
37	Growing Contributions of Nano in 2020. <i>ACS Nano</i> , 2020, 14, 16163-16164.	14.6	1
38	Enhancing humoral immunity via sustained-release implantable microneedle patch vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16473-16478.	7.1	141
39	Enantiomeric glycosylated cationic block co-beta-peptides eradicate <i>Staphylococcus aureus</i> biofilms and antibiotic-tolerant persisters. <i>Nature Communications</i> , 2019, 10, 4792.	12.8	88
40	The Future of Layer-by-Layer Assembly: A Tribute to <i>ACS Nano</i> Associate Editor Helmuth MÃ¶hwald. <i>ACS Nano</i> , 2019, 13, 6151-6169.	14.6	211
41	Broad-Spectrum Proteome Editing with an Engineered Bacterial Ubiquitin Ligase Mimic. <i>ACS Central Science</i> , 2019, 5, 852-866.	11.3	34
42	Layer-by-layer nanoparticles for novel delivery of cisplatin and PARP inhibitors for platinum-based drug resistance therapy in ovarian cancer. <i>Bioengineering and Translational Medicine</i> , 2019, 4, e10131.	7.1	30
43	Solution Conditions Tune and Optimize Loading of Therapeutic Polyelectrolytes into Layer-by-Layer Functionalized Liposomes. <i>ACS Nano</i> , 2019, 13, 5623-5634.	14.6	57
44	Deep-tissue optical imaging of near cellular-sized features. <i>Scientific Reports</i> , 2019, 9, 3873.	3.3	57
45	Binary Targeting of siRNA to Hematologic Cancer Cells In Vivo Using Layer-by-Layer Nanoparticles. <i>Advanced Functional Materials</i> , 2019, 29, 1900018.	14.9	86
46	Microneedle-based intradermal delivery of stabilized dengue virus. <i>Bioengineering and Translational Medicine</i> , 2019, 4, e10127.	7.1	26
47	Acceleration of Diabetic Wound Healing with PHD2- and miR-210-Targeting Oligonucleotides. <i>Tissue Engineering - Part A</i> , 2019, 25, 44-54.	3.1	28
48	Helmuth MÃ¶hwald (1946-2018). <i>ACS Nano</i> , 2018, 12, 3053-3055.	14.6	0
49	Efficient Transport Networks in a Dual Electron/Lithium-Conducting Polymeric Composite for Electrochemical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15681-15690.	8.0	29
50	Structurally modulated codelivery of siRNA and Argonaute 2 for enhanced RNA interference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2696-E2705.	7.1	34
51	Hydrolysis resistant functional polypeptide scaffold for biomaterials. <i>Polymer Chemistry</i> , 2018, 9, 346-351.	3.9	4
52	RNA-peptide nanoplexes drug DNA damage pathways in high-grade serous ovarian tumors. <i>Bioengineering and Translational Medicine</i> , 2018, 3, 26-36.	7.1	12
53	Cartilage-penetrating nanocarriers improve delivery and efficacy of growth factor treatment of osteoarthritis. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	183
54	Cell and fluid sampling microneedle patches for monitoring skin-resident immunity. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	111

#	ARTICLE	IF	CITATIONS
55	Synthetic Charge-Invertible Polymer for Rapid and Complete Implantation of Layer-by-Layer Microneedle Drug Films for Enhanced Transdermal Vaccination. ACS Nano, 2018, 12, 10272-10280.	14.6	72
56	A Highly Conductive and Mechanically Robust OH <sup>-</sup> Conducting Membrane for Alkaline Water Electrolysis. Chemistry of Materials, 2018, 30, 6420-6430.	6.7	43
57	Peptide-Programmable Nanoparticle Superstructures with Tailored Electrocatalytic Activity. ACS Nano, 2018, 12, 6554-6562.	14.6	19
58	Enhanced efficacy of combined temozolomide and bromodomain inhibitor therapy for gliomas using targeted nanoparticles. Nature Communications, 2018, 9, 1991.	12.8	229
59	Rationally Designed Polycationic Carriers for Potent Polymeric siRNA-Mediated Gene Silencing. ACS Nano, 2018, 12, 6504-6514.	14.6	54
60	Green fluorescent proteins engineered for cartilage-targeted drug delivery: Insights for transport into highly charged avascular tissues. Biomaterials, 2018, 183, 218-233.	11.4	50
61	Enhanced Isolation and Release of Circulating Tumor Cells Using Nanoparticle Binding and Ligand Exchange in a Microfluidic Chip. Journal of the American Chemical Society, 2017, 139, 2741-2749.	13.7	226
62	Structurally Programmed Assembly of Translation Initiation Nanoplex for Superior mRNA Delivery. ACS Nano, 2017, 11, 2531-2544.	14.6	74
63	Ligand-decorated click polypeptide derived nanoparticles for targeted drug delivery applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1797-1808.	3.3	30
64	Nanoscience and Nanotechnology Cross Borders. ACS Nano, 2017, 11, 1123-1126.	14.6	4
65	Catalytic, Conductive Bipolar Membrane Interfaces through Layer-by-Layer Deposition for the Design of Membrane-Integrated Artificial Photosynthesis Systems. ChemSusChem, 2017, 10, 4599-4609.	6.8	19
66	Polyamine-Mediated Stoichiometric Assembly of Ribonucleoproteins for Enhanced mRNA Delivery. Angewandte Chemie, 2017, 129, 13897-13900.	2.0	10
67	Our First and Next Decades at ACS Nano. ACS Nano, 2017, 11, 7553-7555.	14.6	0
68	A Combination RNAi-Chemotherapy Layer-by-Layer Nanoparticle for Systemic Targeting of KRAS/P53 with Cisplatin to Treat Non-Small Cell Lung Cancer. Clinical Cancer Research, 2017, 23, 7312-7323.	7.0	68
69	Polyamine-Mediated Stoichiometric Assembly of Ribonucleoproteins for Enhanced mRNA Delivery. Angewandte Chemie - International Edition, 2017, 56, 13709-13712.	13.8	50
70	In vitro blood cell viability profiling of polymers used in molecular assembly. Scientific Reports, 2017, 7, 9481.	3.3	76
71	Mediated Growth of Zinc Chalcogen Shells on Gold Nanoparticles by Free-Base Amino Acids. Chemistry of Materials, 2017, 29, 6993-7001.	6.7	8
72	The role of iodide in the formation of lithium hydroxide in lithium-oxygen batteries. Energy and Environmental Science, 2017, 10, 1828-1842.	30.8	107

#	ARTICLE	IF	CITATIONS
73	Influence of Ammonium Salts on Discharge and Charge of $\text{LiO}_2$ Batteries. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17671-17681.	3.1	14
74	Nano Tools Pave the Way to New Solutions in Infectious Disease. <i>ACS Infectious Diseases</i> , 2017, 3, 554-558.	3.8	14
75	Synthetic Lift-off Polymer beneath Layer-by-Layer Films for Surface-Mediated Drug Delivery. <i>ACS Macro Letters</i> , 2017, 6, 1320-1324.	4.8	9
76	Role of silica nanoparticles in monitoring and prolonging release of drug-eluting polyelectrolyte coatings using long-period fiber grating platform. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 831-839.	7.8	15
77	Polymer conjugated retinoids for controlled transdermal delivery. <i>Journal of Controlled Release</i> , 2017, 262, 1-9.	9.9	35
78	A Big Year Ahead for Nano in 2018. <i>ACS Nano</i> , 2017, 11, 11755-11757.	14.6	1
79	Synthetic nanoscale electrostatic particles as growth factor carriers for cartilage repair. <i>Bioengineering and Translational Medicine</i> , 2016, 1, 347-356.	7.1	23
80	Nanoscience and Nanotechnology Impacting Diverse Fields of Science, Engineering, and Medicine. <i>ACS Nano</i> , 2016, 10, 10615-10617.	14.6	22
81	Nanostructures: Highly Scalable, Closed-Loop Synthesis of Drug-Loaded, Layer-by-Layer Nanoparticles ( <i>Adv. Funct. Mater.</i> 7/2016). <i>Advanced Functional Materials</i> , 2016, 26, 990-990.	14.9	0
82	Innenr¼cktitelbild: A Multi- $\text{RNAi}$ Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs ( <i>Angew. Chem.</i> 10/2016). <i>Angewandte Chemie</i> , 2016, 128, 3575-3575.	2.0	0
83	A Multi- $\text{RNAi}$ Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3347-3351.	13.8	86
84	Engineering Periodic shRNA for Enhanced Silencing Efficacy. <i>Molecular Therapy</i> , 2016, 24, 1070-1077.	8.2	4
85	Layer-by-layer assembled fluorescent probes in the second near-infrared window for systemic delivery and detection of ovarian cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5179-5184.	7.1	166
86	Nanolayered siRNA delivery platforms for local silencing of CTGF reduce cutaneous scar contraction in third-degree burns. <i>Biomaterials</i> , 2016, 95, 22-34.	11.4	40
87	One-Electron Mechanism in a Gel $\text{Polymer Electrolyte LiO}_2$ Battery. <i>Chemistry of Materials</i> , 2016, 28, 7167-7177.	6.7	40
88	Evaluation and Stability of PEDOT Polymer Electrodes for $\text{LiO}_2$ Batteries. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3770-3775.	4.6	49
89	Nano Day: Celebrating the Next Decade of Nanoscience and Nanotechnology. <i>ACS Nano</i> , 2016, 10, 9093-9103.	14.6	77
90	Exploiting Nanocarriers for Combination Cancer Therapy. <i>Fundamental Biomedical Technologies</i> , 2016, , 375-402.	0.2	1

#	ARTICLE	IF	CITATIONS
91	Highly Scalable, Closed-Loop Synthesis of Drug-Loaded, Layer-by-Layer Nanoparticles. <i>Advanced Functional Materials</i> , 2016, 26, 991-1003.	14.9	67
92	Self-Assembled Wound Dressings Silence MMP-9 and Improve Diabetic Wound Healing In Vivo. <i>Advanced Materials</i> , 2016, 28, 1809-1817.	21.0	174
93	Rapid and efficient sprayed multilayer films for controlled drug delivery. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	25
94	Engineering nanolayered particles for modular drug delivery. <i>Journal of Controlled Release</i> , 2016, 240, 364-386.	9.9	112
95	A Multi-RNAi Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs. <i>Angewandte Chemie</i> , 2016, 128, 3408-3412.	2.0	4
96	Designer Dual Therapy Nanolayered Implant Coatings Eradicate Biofilms and Accelerate Bone Tissue Repair. <i>ACS Nano</i> , 2016, 10, 4441-4450.	14.6	193
97	High Throughput Layer-by-Layer Films for Extracting Film Forming Parameters and Modulating Film Interactions with Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2255-2261.	8.0	18
98	Periodic-shRNA molecules are capable of gene silencing, cytotoxicity and innate immune activation in cancer cells. <i>Nucleic Acids Research</i> , 2016, 44, 545-557.	14.5	10
99	Three-dimensional multilayered fibrous constructs for wound healing applications. <i>Biomaterials Science</i> , 2016, 4, 319-330.	5.4	20
100	A Flow Cytometric Clonogenic Assay Reveals the Single-Cell Potency of Doxorubicin. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 4409-4416.	3.3	13
101	Combination Growth Factor Therapy via Electrostatically Assembled Wound Dressings Improves Diabetic Ulcer Healing In Vivo. <i>Advanced Healthcare Materials</i> , 2015, 4, 2090-2099.	7.6	28
102	In-situ monitoring of drug release from therapeutic eluting polyelectrolyte multilayers under static and dynamic conditions. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
103	Tumor-Targeted Synergistic Blockade of MAPK and PI3K from a Layer-by-Layer Nanoparticle. <i>Clinical Cancer Research</i> , 2015, 21, 4410-4419.	7.0	55
104	M13 Virus-Enabled Synthesis of Titanium Dioxide Nanowires for Tunable Mesoporous Semiconducting Networks. <i>Chemistry of Materials</i> , 2015, 27, 1531-1540.	6.7	44
105	Tunable Nanostructured Coating for the Capture and Selective Release of Viable Circulating Tumor Cells. <i>Advanced Materials</i> , 2015, 27, 1593-1599.	21.0	144
106	Influence of pH and Surface Chemistry on Poly(L-lysine) Adsorption onto Solid Supports Investigated by Quartz Crystal Microbalance with Dissipation Monitoring. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10554-10565.	2.6	43
107	Biodegradable nano-films for capture and non-invasive release of circulating tumor cells. <i>Biomaterials</i> , 2015, 65, 93-102.	11.4	70
108	Spray Layer-by-Layer Assembled Clay Composite Thin Films as Selective Layers in Reverse Osmosis Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13375-13383.	8.0	28

#	ARTICLE	IF	CITATIONS
109	Multifunctional Self-Assembled Films for Rapid Hemostat and Sustained Anti-infective Delivery. ACS Biomaterials Science and Engineering, 2015, 1, 148-156.	5.2	39
110	Carbon nanotube/polyaniline core/shell nanostructured hydrogel for electrochemical energy storage. RSC Advances, 2015, 5, 37970-37977.	3.6	28
111	Adsorption of hyaluronic acid on solid supports: Role of pH and surface chemistry in thin film self-assembly. Journal of Colloid and Interface Science, 2015, 448, 197-207.	9.4	25
112	Response to the comments on "Environmentally responsible fabrication of efficient perovskite solar cells from recycled car batteries" by Po-Yen Chen, Jifa Qi, Matthew T. Klug, Xiangnan Dang, Paula T. Hammond, and Angela M. Belcher published in Energy Environ. Sci. in 2014. Energy and Environmental Science, 2015, 8, 1618-1625.	30.8	8
113	Instability of Poly(ethylene oxide) upon Oxidation in Lithium-Air Batteries. Journal of Physical Chemistry C, 2015, 119, 6947-6955.	3.1	77
114	A plug-and-play ratiometric pH-sensing nanoprobe for high-throughput investigation of endosomal escape. Biomaterials, 2015, 51, 250-256.	11.4	21
115	Layer-by-layer approaches to staging medicine from surfaces. AIChE Journal, 2015, 61, 1106-1117.	3.6	8
116	Lab-on-fiber optofluidic platform for in situ monitoring of drug release from therapeutic eluting polyelectrolyte multilayers. Optics Express, 2015, 23, 20132.	3.4	8
117	Uncharged Helical Modular Polypeptide Hydrogels for Cellular Scaffolds. Biomacromolecules, 2015, 16, 3774-3783.	5.4	25
118	Clotting Mimicry from Robust Hemostatic Bandages Based on Self-Assembling Peptides. ACS Nano, 2015, 9, 9394-9406.	14.6	118
119	Understanding the Chemical Stability of Polymers for Lithium-Air Batteries. Chemistry of Materials, 2015, 27, 550-561.	6.7	182
120	Spray-assisted layer-by-layer assembly on hyaluronic acid scaffolds for skin tissue engineering. Journal of Biomedical Materials Research - Part A, 2015, 103, 330-340.	4.0	74
121	Multilayer Transfer Printing of Electroactive Thin Film Composites. ACS Applied Materials & Interfaces, 2014, 6, 20519-20523.	8.0	12
122	Nanoporous Networks: Assembly of a Bacteriophage-Based Template for the Organization of Materials into Nanoporous Networks (Adv. Mater. 21/2014). Advanced Materials, 2014, 26, 3568-3568.	21.0	0
123	RNA Microsponges Form through Self-Assembly of the Organic and Inorganic Products of Transcription. Small, 2014, 10, 1623-1633.	10.0	86
124	Ordered and Kinetically Discrete Sequential Protein Release from Biodegradable Thin Films. Angewandte Chemie - International Edition, 2014, 53, 8093-8098.	13.8	27
125	A Nanoparticle-Based Combination Chemotherapy Delivery System for Enhanced Tumor Killing by Dynamic Rewiring of Signaling Pathways. Science Signaling, 2014, 7, ra44.	3.6	172
126	Spray-Coated Layer-by-Layer Carbon Nanotube/Electrospun Fiber Electrodes for Flexible Chemiresistive Sensor Applications. Advanced Functional Materials, 2014, 24, 492-502.	14.9	148



#	ARTICLE	IF	CITATIONS
127	Enhanced ex vivo expansion of adult mesenchymal stem cells by fetal mesenchymal stem cell ECM. <i>Biomaterials</i> , 2014, 35, 4046-4057.	11.4	123
128	Vapor-Phase Polymerization of Nanofibrillar Poly(3,4-ethylenedioxythiophene) for Supercapacitors. <i>ACS Nano</i> , 2014, 8, 1500-1510.	14.6	217
129	Tunable staged release of therapeutics from layer-by-layer coatings with clay interlayer barrier. <i>Biomaterials</i> , 2014, 35, 2507-2517.	11.4	138
130	The influence of transition metal oxides on the kinetics of $\text{Li}_2\text{O}_2$ oxidation in $\text{Li}^+\text{O}_2$ batteries: high activity of chromium oxides. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2297-2304.	2.8	52
131	Clickable Synthetic Polypeptides—Routes to New Highly Adaptive Biomaterials. <i>Chemistry of Materials</i> , 2014, 26, 461-476.	6.7	84
132	Electrochemical Performance of Thin-Film Functionalized Carbon Nanotube Electrodes in Nonaqueous Cells. <i>Journal of the Electrochemical Society</i> , 2014, 161, A1625-A1633.	2.9	9
133	Implantable Silk Composite Microneedles for Programmable Vaccine Release Kinetics and Enhanced Immunogenicity in Transcutaneous Immunization. <i>Advanced Healthcare Materials</i> , 2014, 3, 47-58.	7.6	139
134	Redox-responsive branched-bottlebrush polymers for in vivo MRI and fluorescence imaging. <i>Nature Communications</i> , 2014, 5, 5460.	12.8	231
135	Adaptive growth factor delivery from a polyelectrolyte coating promotes synergistic bone tissue repair and reconstruction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12847-12852.	7.1	128
136	Chemical Instability of Dimethyl Sulfoxide in Lithium Air Batteries. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2850-2856.	4.6	210
137	Multilayer Films Assembled from Naturally-Derived Materials for Controlled Protein Release. <i>Biomacromolecules</i> , 2014, 15, 2049-2057.	5.4	47
138	Environmentally responsible fabrication of efficient perovskite solar cells from recycled car batteries. <i>Energy and Environmental Science</i> , 2014, 7, 3659-3665.	30.8	94
139	Bimodal Tumor-Targeting from Microenvironment Responsive Hyaluronan Layer-by-Layer (LbL) Nanoparticles. <i>ACS Nano</i> , 2014, 8, 8374-8382.	14.6	161
140	Multimonth controlled small molecule release from biodegradable thin films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12175-12180.	7.1	51
141	Layer-by-Layer Assembled Antisense DNA Microsponge Particles for Efficient Delivery of Cancer Therapeutics. <i>ACS Nano</i> , 2014, 8, 9767-9780.	14.6	107
142	Capillary Flow Layer-by-Layer: A Microfluidic Platform for the High-Throughput Assembly and Screening of Nanolayered Film Libraries. <i>ACS Nano</i> , 2014, 8, 6580-6589.	14.6	53
143	Li-Anode Protective Layers for Li Rechargeable Batteries via Layer-by-Layer Approaches. <i>Chemistry of Materials</i> , 2014, 26, 2579-2585.	6.7	56
144	Enhanced photovoltaic performance with co-sensitization of quantum dots and an organic dye in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18375-18382.	10.3	26

#	ARTICLE	IF	CITATIONS
145	FRET-enabled biological characterization of polymeric micelles. <i>Biomaterials</i> , 2014, 35, 3489-3496.	11.4	67
146	A Convergent Synthetic Platform for Single-Nanoparticle Combination Cancer Therapy: Ratiometric Loading and Controlled Release of Cisplatin, Doxorubicin, and Camptothecin. <i>Journal of the American Chemical Society</i> , 2014, 136, 5896-5899.	13.7	338
147	Osteotropic Therapy via Targeted Layer-by-Layer Nanoparticles. <i>Advanced Healthcare Materials</i> , 2014, 3, 867-875.	7.6	68
148	PEG-Polypeptide Block Copolymers as pH-Responsive Endosome-Solubilizing Drug Nanocarriers. <i>Molecular Pharmaceutics</i> , 2014, 11, 2420-2430.	4.6	70
149	Fluorescent Multiblock Conjugated Polymer Nanoparticles for In Vivo Tumor Targeting. <i>Advanced Materials</i> , 2013, 25, 4504-4510.	21.0	82
150	Mechanical and Transport Properties of Layer-by-Layer Electrospun Composite Proton Exchange Membranes for Fuel Cell Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 8155-8164.	8.0	37
151	Nanoparticles made to order "inside and out". <i>Membrane Technology</i> , 2013, 2013, 8.	0.1	2
152	Layer-by-Layer Nanoparticles for Systemic Codelivery of an Anticancer Drug and siRNA for Potential Triple-Negative Breast Cancer Treatment. <i>ACS Nano</i> , 2013, 7, 9571-9584.	14.6	448
153	Drug Delivery: Composite Dissolving Microneedles for Coordinated Control of Antigen and Adjuvant Delivery Kinetics in Transcutaneous Vaccination ( <i>Adv. Funct. Mater.</i> 2/2013). <i>Advanced Functional Materials</i> , 2013, 23, 138-138.	14.9	0
154	Layer-by-layer assembled porous photoanodes for efficient electron collection in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2217-2224.	10.3	36
155	Rapid viscoelastic switching of an ambient temperature range photo-responsive azobenzene side chain liquid crystal polymer. <i>Polymer</i> , 2013, 54, 2850-2856.	3.8	19
156	Vaccine delivery with microneedle skin patches in nonhuman primates. <i>Nature Biotechnology</i> , 2013, 31, 1082-1085.	17.5	85
157	Polymer multilayer tattooing for enhanced DNA vaccination. <i>Nature Materials</i> , 2013, 12, 367-376.	27.5	242
158	Tunable Localized Surface Plasmon-Enabled Broadband Light-Harvesting Enhancement for High-Efficiency Panchromatic Dye-Sensitized Solar Cells. <i>Nano Letters</i> , 2013, 13, 637-642.	9.1	162
159	Synthesis of a New, Low-T <sub>g</sub> Siloxane Thermoplastic Elastomer with a Functionalizable Backbone and Its Use as a Rapid, Room Temperature Photoactuator. <i>Macromolecules</i> , 2013, 46, 2823-2832.	4.8	43
160	Nanolayered siRNA Dressing for Sustained Localized Knockdown. <i>ACS Nano</i> , 2013, 7, 5251-5261.	14.6	45
161	Surface-Mediated Bone Tissue Morphogenesis from Tunable Nanolayered Implant Coatings. <i>Science Translational Medicine</i> , 2013, 5, 191ra83.	12.4	109
162	Scalable Manufacture of Built-to-Order Nanomedicine: Spray-Assisted Layer-by-Layer Functionalization of PRINT Nanoparticles. <i>Advanced Materials</i> , 2013, 25, 4707-4713.	21.0	92

#	ARTICLE	IF	CITATIONS
163	The architecture and biological performance of drug-loaded LbL nanoparticles. <i>Biomaterials</i> , 2013, 34, 5328-5335.	11.4	90
164	Spray Layer-by-Layer Electrospun Composite Proton Exchange Membranes. <i>Advanced Functional Materials</i> , 2013, 23, 3087-3095.	14.9	59
165	Rapid fabrication of thick spray-layer-by-layer carbon nanotube electrodes for high power and energy devices. <i>Energy and Environmental Science</i> , 2013, 6, 888.	30.8	79
166	Composite Dissolving Microneedles for Coordinated Control of Antigen and Adjuvant Delivery Kinetics in Transcutaneous Vaccination. <i>Advanced Functional Materials</i> , 2013, 23, 161-172.	14.9	147
167	Scalable Manufacture of Built-to-Order Nanomedicine: Spray-Assisted Layer-by-Layer Functionalization of PRINT Nanoparticles ( <i>Adv. Mater.</i> 34/2013). <i>Advanced Materials</i> , 2013, 25, 4706-4706.	21.0	3
168	Vancomycin Storage Stability in Multilayer Thin Film Coatings for On-Demand Care. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 1895-1902.	3.5	4
169	Enhanced Stability of Polymeric Micelles Based on Postfunctionalized Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50	5.4	85
170	Building biomedical materials layer-by-layer. <i>Materials Today</i> , 2012, 15, 196-206.	14.2	257
171	Polyelectrolyte multilayered nanoparticles: using nanolayers for controlled and targeted systemic release. <i>Nanomedicine</i> , 2012, 7, 619-622.	3.3	43
172	Helix versus coil polypeptide macromers: gel networks with decoupled stiffness and permeability. <i>Soft Matter</i> , 2012, 8, 10887.	2.7	33
173	Releasable Layer-by-Layer Assembly of Stabilized Lipid Nanocapsules on Microneedles for Enhanced Transcutaneous Vaccine Delivery. <i>ACS Nano</i> , 2012, 6, 8041-8051.	14.6	170
174	Drastically Lowered Protein Adsorption on Microbicidal Hydrophobic/Hydrophilic Polyelectrolyte Multilayers. <i>Biomacromolecules</i> , 2012, 13, 719-726.	5.4	93
175	Graphene Multilayers as Gates for Multi-Week Sequential Release of Proteins from Surfaces. <i>ACS Nano</i> , 2012, 6, 81-88.	14.6	122
176	Dual Responsiveness of a Tunable Thermosensitive Polypeptide. <i>ACS Macro Letters</i> , 2012, 1, 727-731.	4.8	60
177	Highly transparent mixed electron and proton conducting polymer membranes. <i>Journal of Materials Chemistry</i> , 2012, 22, 15534.	6.7	24
178	Multilayer thin-film coatings capable of extended programmable drug release: application to human mesenchymal stem cell differentiation. <i>Drug Delivery and Translational Research</i> , 2012, 2, 375-383.	5.8	18
179	Self-assembled RNA interference microsponges for efficient siRNA delivery. <i>Nature Materials</i> , 2012, 11, 316-322.	27.5	424
180	Cationic Peptidopolysaccharides Show Excellent Broad-Spectrum Antimicrobial Activities and High Selectivity. <i>Advanced Materials</i> , 2012, 24, 4130-4137.	21.0	226

#	ARTICLE	IF	CITATIONS
181	Development of multilayer polyelectrolyte thin film membranes fabricated by spin assisted layer-by-layer assembly. <i>Journal of Applied Polymer Science</i> , 2012, 126, 1468-1474.	2.6	15
182	Release of vancomycin from multilayer coated absorbent gelatin sponges. <i>Journal of Controlled Release</i> , 2012, 157, 64-71.	9.9	65
183	Hemostatic Multilayer Coatings. <i>Advanced Materials</i> , 2012, 24, 492-496.	21.0	127
184	Osteophilic Multilayer Coatings for Accelerated Bone Tissue Growth. <i>Advanced Materials</i> , 2012, 24, 1445-1450.	21.0	108
185	Tissue Engineering: Osteophilic Multilayer Coatings for Accelerated Bone Tissue Growth ( <i>Adv. Mater.</i> )	21.0	107
186	Mechanomodifiable and reversibly swellable polyelectrolyte multilayer thin films controlled by electrochemically induced pH gradients. <i>Soft Matter</i> , 2011, 7, 6637.	2.7	20
187	The synthetic tuning of clickable pH responsive cationic polypeptides and block copolypeptides. <i>Soft Matter</i> , 2011, 7, 5627.	2.7	76
188	Catechol-Modified Polyions in Layer-by-Layer Assembly to Enhance Stability and Sustain Release of Biomolecules: A Bioinspired Approach. <i>Chemistry of Materials</i> , 2011, 23, 5349-5357.	6.7	65
189	Room Temperature Rapid Photoresponsive Azobenzene Side Chain Liquid Crystal Polymer. <i>Macromolecules</i> , 2011, 44, 8880-8885.	4.8	48
190	Layer-by-Layer Assembled Solid Polymer Electrolyte for Electrochromic Devices. <i>Chemistry of Materials</i> , 2011, 23, 2142-2149.	6.7	61
191	Inherent Charge-Shifting Polyelectrolyte Multilayer Blends: A Facile Route for Tunable Protein Release from Surfaces. <i>Biomacromolecules</i> , 2011, 12, 2975-2981.	5.4	60
192	Layer-by-Layer Nanoparticles with a pH-Sheddable Layer for <i>in Vivo</i> Targeting of Tumor Hypoxia. <i>ACS Nano</i> , 2011, 5, 4284-4292.	14.6	315
193	Innovative Polymer Nanocomposite Electrolytes: Nanoscale Manipulation of Ion Channels by Functionalized Graphenes. <i>ACS Nano</i> , 2011, 5, 5167-5174.	14.6	215
194	Controlling <i>in Vivo</i> Stability and Biodistribution in Electrostatically Assembled Nanoparticles for Systemic Delivery. <i>Nano Letters</i> , 2011, 11, 2096-2103.	9.1	176
195	Effects of Side Group Functionality and Molecular Weight on the Activity of Synthetic Antimicrobial Polypeptides. <i>Biomacromolecules</i> , 2011, 12, 1666-1674.	5.4	130
196	Facilitated Ion Transport in All-Solid-State Flexible Supercapacitors. <i>ACS Nano</i> , 2011, 5, 7205-7213.	14.6	458
197	Nanostructured carbon-based electrodes: bridging the gap between thin-film lithium-ion batteries and electrochemical capacitors. <i>Energy and Environmental Science</i> , 2011, 4, 1972.	30.8	346
198	Tannic Acid Mediated Suppression of PNIPAAm Microgels Thermo-responsive Behavior. <i>Macromolecules</i> , 2011, 44, 612-621.	4.8	74

#	ARTICLE	IF	CITATIONS
199	Layer-by-Layer Assembled Polyaniline Nanofiber/Multiwall Carbon Nanotube Thin Film Electrodes for High-Power and High-Energy Storage Applications. <i>ACS Nano</i> , 2011, 5, 8552-8561.	14.6	255
200	Virus-templated self-assembled single-walled carbon nanotubes for highly efficient electron collection in photovoltaic devices. <i>Nature Nanotechnology</i> , 2011, 6, 377-384.	31.5	368
201	Design of multi-drug release coatings targeting infection and inflammation. <i>Journal of Controlled Release</i> , 2011, 155, 159-166.	9.9	72
202	Osteoconductive protamine-based polyelectrolyte multilayer functionalized surfaces. <i>Biomaterials</i> , 2011, 32, 7491-7502.	11.4	36
203	Intracellular Trafficking of Polyamidoamine-Poly(ethylene glycol) Block Copolymers in DNA Delivery. <i>Bioconjugate Chemistry</i> , 2011, 22, 1519-1525.	3.6	37
204	Highly Efficient Plasmon-Enhanced Dye-Sensitized Solar Cells through Metal@Oxide Core-Shell Nanostructure. <i>ACS Nano</i> , 2011, 5, 7108-7116.	14.6	386
205	The effects of polymeric nanostructure shape on drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 1228-1246.	13.7	459
206	Tunable dual growth factor delivery from polyelectrolyte multilayer films. <i>Biomaterials</i> , 2011, 32, 6183-6193.	11.4	208
207	Mixed micelles self-assembled from block copolymers for drug delivery. <i>Current Opinion in Colloid and Interface Science</i> , 2011, 16, 182-194.	7.4	265
208	Engineering materials layer-by-layer: Challenges and opportunities in multilayer assembly. <i>AIChE Journal</i> , 2011, 57, 2928-2940.	3.6	179
209	Thin films of carbon nanotubes and chemically reduced graphenes for electrochemical micro-capacitors. <i>Carbon</i> , 2011, 49, 457-467.	10.3	250
210	Tissue integration of growth factor-eluting layer-by-layer polyelectrolyte multilayer coated implants. <i>Biomaterials</i> , 2011, 32, 1446-1453.	11.4	270
211	Highly stable, ligand-clustered patchy-micelle nanocarriers for systemic tumor targeting. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 201-209.	3.3	65
212	Mechanism of inactivation of influenza viruses by immobilized hydrophobic polycations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 61-66.	7.1	91
213	Reverse osmosis desalination membrane formed from weak polyelectrolytes by spin assisted layer by layer technique. <i>Desalination and Water Treatment</i> , 2011, 34, 44-49.	1.0	13
214	Controlling the release of peptide antimicrobial agents from surfaces. <i>Biomaterials</i> , 2010, 31, 2348-2357.	11.4	249
215	Bactericidal and virucidal ultrathin films assembled layer by layer from polycationic N-alkylated polyethylenimines and polyanions. <i>Biomaterials</i> , 2010, 31, 4079-4087.	11.4	112
216	Enhanced Photocatalytic Activity using Layer-by-Layer Electrospun Constructs for Water Remediation. <i>Advanced Functional Materials</i> , 2010, 20, 2424-2429.	14.9	54

#	ARTICLE	IF	CITATIONS
217	Nano-layered Microneedles for Transcutaneous Delivery of Polymer Nanoparticles and Plasmid DNA. <i>Advanced Materials</i> , 2010, 22, 4851-4856.	21.0	145
218	Ligand-clustered patchy-nanoparticles for modulated cellular uptake and in vivo tumor targeting. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7266-7270.	13.8	125
219	Synthesis, mechanical properties and chemical/solvent resistance of crosslinked poly(aryl-ether-ether-ketones) at high temperatures. <i>Polymer</i> , 2010, 51, 1914-1920.	3.8	32
220	The effectiveness of the controlled release of gentamicin from polyelectrolyte multilayers in the treatment of <i>Staphylococcus aureus</i> infection in a rabbit bone model. <i>Biomaterials</i> , 2010, 31, 6019-6030.	11.4	147
221	Tunable Vancomycin Releasing Surfaces for Biomedical Applications. <i>Small</i> , 2010, 6, 2392-2404.	10.0	85
222	Particles release. <i>Nature Materials</i> , 2010, 9, 292-293.	27.5	11
223	High-power lithium batteries from functionalized carbon-nanotube electrodes. <i>Nature Nanotechnology</i> , 2010, 5, 531-537.	31.5	1,026
224	Dual Functional Polyelectrolyte Multilayer Coatings for Implants: Permanent Microbicidal Base with Controlled Release of Therapeutic Agents. <i>Journal of the American Chemical Society</i> , 2010, 132, 17840-17848.	13.7	94
225	Carbon Nanotube/Manganese Oxide Ultrathin Film Electrodes for Electrochemical Capacitors. <i>ACS Nano</i> , 2010, 4, 3889-3896.	14.6	686
226	Ion Conduction and Water Transport in Polyphosphazene-Based Multilayers. <i>Chemistry of Materials</i> , 2010, 22, 226-232.	6.7	17
227	Characterization of Tunable FGF-2 Releasing Polyelectrolyte Multilayers. <i>Biomacromolecules</i> , 2010, 11, 2053-2059.	5.4	110
228	Multifunctional Electrospun Fabrics via Layer-by-Layer Electrostatic Assembly for Chemical and Biological Protection. <i>Chemistry of Materials</i> , 2010, 22, 1429-1436.	6.7	73
229	Structure-property studies of highly conductive layer-by-layer assembled membranes for fuel cell PEM applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 6250.	6.7	37
230	Electrically Triggered Release of a Small Molecule Drug from a Polyelectrolyte Multilayer Coating. <i>Chemistry of Materials</i> , 2010, 22, 6416-6425.	6.7	109
231	Pattern Transfer Printing of Multiwalled Carbon Nanotube Multilayers and Application in Biosensors. <i>Chemistry of Materials</i> , 2010, 22, 4791-4797.	6.7	51
232	Layer-by-Layer Assembly of a pH-Responsive and Electrochromic Thin Film. <i>Journal of Chemical Education</i> , 2010, 87, 208-211.	2.3	27
233	Electrochemically erasable hydrogen-bonded thin films. <i>Chemical Communications</i> , 2010, 46, 7358.	4.1	37
234	Highly Reactive Multilayer-assembled TiO <sub>2</sub> Coating on Electrospun Polymer Nanofibers. <i>Advanced Materials</i> , 2009, 21, 1252-1256.	21.0	147

#	ARTICLE	IF	CITATIONS
235	Reversible Switching of the Shear Modulus of Photoresponsive Liquid-Crystalline Polymers. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3494-3498.	13.8	38
236	Layer-by-Layer Platform Technology for Small-Molecule Delivery. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8974-8977.	13.8	160
237	Highly Efficient Grafting onto a Polypeptide Backbone Using Click Chemistry. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9334-9338.	13.8	238
238	Hydrophobic Effects in the Critical Destabilization and Release Dynamics of Degradable Multilayer Films. <i>Chemistry of Materials</i> , 2009, 21, 1108-1115.	6.7	38
239	Hydrogen-bonded multilayer of pH-responsive polymeric micelles with tannic acid for surface drug delivery. <i>Chemical Communications</i> , 2009, , 4194.	4.1	141
240	Layer-by-Layer Assembly of All Carbon Nanotube Ultrathin Films for Electrochemical Applications. <i>Journal of the American Chemical Society</i> , 2009, 131, 671-679.	13.7	598
241	Layer-by-Layer-Assembled Multilayer Films for Transcutaneous Drug and Vaccine Delivery. <i>ACS Nano</i> , 2009, 3, 3719-3729.	14.6	154
242	MAD (Multiagent Delivery) Nanolayer: Delivering Multiple Therapeutics from Hierarchically Assembled Surface Coatings. <i>Langmuir</i> , 2009, 25, 14086-14092.	3.5	91
243	Electrochemically Controlled Swelling and Mechanical Properties of a Polymer Nanocomposite. <i>ACS Nano</i> , 2009, 3, 2207-2216.	14.6	128
244	All-Star Polymer Multilayers as pH-Responsive Nanofilms. <i>Macromolecules</i> , 2009, 42, 368-375.	4.8	93
245	Patterning nano-domains with orthogonal functionalities: Solventless synthesis of self-sorting surfaces. , 2009, , .		0
246	Spraying asymmetry into functional membranes layer-by-layer. <i>Nature Materials</i> , 2009, 8, 512-518.	27.5	279
247	A Directly Patternable, Click-Active Polymer Film via Initiated Chemical Vapor Deposition. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1648-1654.	3.9	40
248	Highly Conductive, Methanol Resistant Polyelectrolyte Multilayers. <i>Advanced Materials</i> , 2008, 20, 1539-1543.	21.0	128
249	Nano- and Microporous Layer-by-Layer Assemblies Containing Linear Poly(ethylenimine) and Poly(acrylic acid). <i>Macromolecules</i> , 2008, 41, 6047-6054.	4.8	94
250	New material for fuel cells increases power output by more than 50%. <i>Membrane Technology</i> , 2008, 8-9.	0.1	0
251	Release of a model protein from biodegradable self assembled films for surface delivery applications. <i>Journal of Controlled Release</i> , 2008, 131, 228-234.	9.9	110
252	Hydrogen-Bonding Layer-by-Layer-Assembled Biodegradable Polymeric Micelles as Drug Delivery Vehicles from Surfaces. <i>ACS Nano</i> , 2008, 2, 386-392.	14.6	435

#	ARTICLE	IF	CITATIONS
253	Photocatalytic Layer-by-Layer Coatings for Degradation of Acutely Toxic Agents. <i>Chemistry of Materials</i> , 2008, 20, 1924-1930.	6.7	33
254	Effect of the Layer-by-Layer (LbL) Deposition Method on the Surface Morphology and Wetting Behavior of Hydrophobically Modified PEO and PAA LbL Films. <i>Langmuir</i> , 2008, 24, 7995-8000.	3.5	95
255	Influence of variations in liquid-crystalline content upon the self-assembly behavior of siloxane-based block copolymers. <i>Soft Matter</i> , 2008, 4, 1279.	2.7	25
256	Stamped microbattery electrodes based on self-assembled M13 viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17227-17231.	7.1	144
257	Controlling the Morphology of Side Chain Liquid Crystalline Block Copolymer Thin Films through Variations in Liquid Crystalline Content. <i>Nano Letters</i> , 2008, 8, 3434-3440.	9.1	46
258	Exponential Growth of LBL Films with Incorporated Inorganic Sheets. <i>Nano Letters</i> , 2008, 8, 1762-1770.	9.1	210
259	Polyelectrolyte Multilayers for Tunable Release of Antibiotics. <i>Biomacromolecules</i> , 2008, 9, 1660-1668.	5.4	169
260	Tumor-Targeted Gene Delivery Using Molecularly Engineered Hybrid Polymers Functionalized with a Tumor-Homing Peptide. <i>Bioconjugate Chemistry</i> , 2008, 19, 403-405.	3.6	78
261	Controlling Surface Mobility in Interdiffusing Polyelectrolyte Multilayers. <i>ACS Nano</i> , 2008, 2, 561-571.	14.6	78
262	Metal Ion Reactive Thin Films Using Spray Electrostatic LbL Assembly. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14453-14460.	2.6	26
263	Electroactive controlled release thin films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2280-2285.	7.1	128
264	Electrochemically enabled polyelectrolyte multilayer devices: from fuel cells to sensors. <i>Soft Matter</i> , 2007, 3, 804.	2.7	245
265	Anisotropic Structure and Transport in Self-Assembled Layered Polymer-clay Nanocomposites. <i>Langmuir</i> , 2007, 23, 8515-8521.	3.5	70
266	Development of Surface Morphology in Multilayered Films Prepared by Layer-by-Layer Deposition Using Poly(acrylic acid) and Hydrophobically Modified Poly(ethylene oxide). <i>Macromolecules</i> , 2007, 40, 4028-4036.	4.8	31
267	Controlling Diffusion and Exchange in Layer-by-Layer Assemblies. <i>Macromolecules</i> , 2007, 40, 1598-1603.	4.8	67
268	Extended Release Antibacterial Layer-by-Layer Films Incorporating Linear-Dendritic Block Copolymer Micelles. <i>Chemistry of Materials</i> , 2007, 19, 5524-5530.	6.7	126
269	Observation of Transverse Cylinder Morphology in Side Chain Liquid Crystalline Block Copolymers. <i>Macromolecules</i> , 2007, 40, 777-780.	4.8	41
270	Factors Influencing the Interdiffusion of Weak Polycations in Multilayers. <i>Macromolecules</i> , 2007, 40, 9523-9528.	4.8	75



#	ARTICLE	IF	CITATIONS
271	Morphology of side chain liquid crystalline block copolymer thin films and effects of thermal annealing. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 3263-3266.	2.1	9
272	Amphiphilic Linear-Dendritic Triblock Copolymers Composed of Poly(amidoamine) and Poly(propylene) Tj ETQq0 0 0 ggBT /Overlock 10 T	3.9	73
273	Controlling interlayer diffusion to achieve sustained, multiagent delivery from layer-by-layer thin films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10207-10212.	7.1	260
274	Synthesis of ABA Triblock Copolymers via Ring Opening Metathesis Polymerization Using a Bimetallic Initiator: A Influence of a Flexible Spacer in the Side Chain Liquid Crystalline Block. <i>Macromolecules</i> , 2006, 39, 8241-8249.	4.8	25
275	Preferential Association of Segment Blocks in Polyurethane Nanocomposites. <i>Macromolecules</i> , 2006, 39, 7030-7036.	4.8	60
276	Engineering Ionic and Electronic Conductivity in Polymer Catalytic Electrodes Using the Layer-By-Layer Technique. <i>Chemistry of Materials</i> , 2006, 18, 41-49.	6.7	55
277	Comb-Dendritic Block Copolymers as Tree-Shaped Macromolecular Amphiphiles for Nanoparticle Self-Assembly. <i>Chemistry of Materials</i> , 2006, 18, 3976-3984.	6.7	73
278	Synthesis and Characterization of ABA Triblock Copolymers Containing Smectic C* Liquid Crystal Side Chains via Ring-Opening Metathesis Polymerization Using a Bimetallic Molybdenum Initiator. <i>Macromolecules</i> , 2006, 39, 3993-4000.	4.8	32
279	Spontaneous assembly of viruses on multilayered polymer surfaces. <i>Nature Materials</i> , 2006, 5, 234-240.	27.5	308
280	Sorption isotherms, sorption enthalpies, diffusion coefficients and permeabilities of water in a multilayer PEO/PAA polymer film using the quartz crystal microbalance/heat conduction calorimeter. <i>Thermochimica Acta</i> , 2006, 450, 118-125.	2.7	27
281	Virus-Enabled Synthesis and Assembly of Nanowires for Lithium Ion Battery Electrodes. <i>Science</i> , 2006, 312, 885-888.	12.6	1,756
282	Effect of the degree of soft and hard segment ordering on the morphology and mechanical behavior of semicrystalline segmented polyurethanes. <i>Polymer</i> , 2006, 47, 3073-3082.	3.8	308
283	A Family of Hierarchically Self-Assembling Linear-Dendritic Hybrid Polymers for Highly Efficient Targeted Gene Delivery. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6704-6708.	13.8	162
284	Designing a New Generation of Proton-Exchange Membranes Using Layer-by-Layer Deposition of Polyelectrolytes. <i>Advanced Functional Materials</i> , 2005, 15, 945-954.	14.9	129
285	Solid-State Dye-Sensitized Solar Cells Combining a Porous TiO2 Film and a Layer-by-Layer Composite Electrolyte. <i>Small</i> , 2005, 1, 1070-1073.	10.0	35
286	Side Chain Liquid Crystalline Thermoplastic Elastomers for Actuator and Electromechanical Applications. <i>Materials Research Society Symposia Proceedings</i> , 2005, 889, 1.	0.1	0
287	Controlling the Location and Spatial Extent of Nanobubbles Using Hydrophobically Nanopatterned Surfaces. <i>Nano Letters</i> , 2005, 5, 1751-1756.	9.1	135
288	Tunable Drug Release from Hydrolytically Degradable Layer-by-Layer Thin Films. <i>Langmuir</i> , 2005, 21, 1603-1609.	3.5	273

#	ARTICLE	IF	CITATIONS
289	Elastomeric Flexible Free-Standing Hydrogen-Bonded Nanoscale Assemblies. <i>Journal of the American Chemical Society</i> , 2005, 127, 17228-17234.	13.7	214
290	Controlling Cell Attachment Selectively onto Biological Polymer Colloid Templates Using Polymer-on-Polymer Stamping. <i>Langmuir</i> , 2004, 20, 7215-7222.	3.5	62
291	Synthesis and bulk assembly behavior of linear-dendritic rod diblock copolymers. <i>Journal of Polymer Science Part A</i> , 2004, 42, 2784-2814.	2.3	30
292	High-Contrast Electrochromism and Controllable Dissolution of Assembled Prussian Blue/Polymer Nanocomposites. <i>Advanced Functional Materials</i> , 2004, 14, 224-232.	14.9	342
293	Multilayer Transfer Printing for Polyelectrolyte Multilayer Patterning: Direct Transfer of Layer-by-Layer Assembled Micropatterned Thin Films. <i>Advanced Materials</i> , 2004, 16, 520-525.	21.0	142
294	Form and Function in Multilayer Assembly: New Applications at the Nanoscale. <i>Advanced Materials</i> , 2004, 16, 1271-1293.	21.0	1,177
295	Novel Solid-State Polymer Electrolyte Consisting of a Porous Layer-by-Layer Polyelectrolyte Thin Film and Oligoethylene Glycol. <i>Langmuir</i> , 2004, 20, 9791-9795.	3.5	51
296	Nonlithographic Micro- and Nanopatterning of TiO <sub>2</sub> Using Polymer Stamped Molecular Templates. <i>Langmuir</i> , 2004, 20, 1436-1441.	3.5	53
297	Controlling Mammalian Cell Interactions on Patterned Polyelectrolyte Multilayer Surfaces. <i>Langmuir</i> , 2004, 20, 1362-1368.	3.5	165
298	Directed Patterned Adsorption of Magnetic Beads on Polyelectrolyte Multilayers on Glass. <i>Langmuir</i> , 2004, 20, 3028-3031.	3.5	40
299	Microphase Segregation of PEO-PAMAM Linear-Dendritic Diblock Copolymers. <i>Macromolecules</i> , 2004, 37, 2490-2501.	4.8	53
300	Multiple-Color Electrochromism from Layer-by-Layer-Assembled Polyaniline/Prussian Blue Nanocomposite Thin Films. <i>Chemistry of Materials</i> , 2004, 16, 4799-4805.	6.7	279
301	Electrochromic Polyaniline Films from Layer-by-Layer Assembly. <i>ACS Symposium Series</i> , 2004, , 18-33.	0.5	5
302	Highly Ion Conductive Poly(ethylene oxide)-Based Solid Polymer Electrolytes from Hydrogen Bonding Layer-by-Layer Assembly. <i>Langmuir</i> , 2004, 20, 5403-5411.	3.5	177
303	Dye Sensitized Solar Cells Incorporating Polyelectrolyte Multilayer Composites. <i>Materials Research Society Symposia Proceedings</i> , 2004, 836, L1.5.1.	0.1	0
304	Solid-State Photovoltaic Thin Films using TiO <sub>2</sub> , Organic Dyes, and Layer-by-Layer Polyelectrolyte Nanocomposites. <i>Advanced Functional Materials</i> , 2003, 13, 831-839.	14.9	131
305	Fast Ion Conduction in Layer-By-Layer Polymer Films. <i>Chemistry of Materials</i> , 2003, 15, 1165-1173.	6.7	142
306	High-Contrast Electrochromism from Layer-By-Layer Polymer Films. <i>Chemistry of Materials</i> , 2003, 15, 1575-1586.	6.7	281

#	ARTICLE	IF	CITATIONS
307	Tailored Micropatterns through Weak Polyelectrolyte Stamping. <i>Langmuir</i> , 2003, 19, 2231-2237.	3.5	42
308	Two dimensional infrared(2D-IR) spectroscopic studies of the viscoelastic behavior of liquid crystalline polyurethanes. <i>Macromolecular Symposia</i> , 2002, 184, 183-192.	0.7	3
309	Polymer-on-Polymer Stamping on Micro- and Nano-Scales. <i>Materials Research Society Symposia Proceedings</i> , 2002, 736, 1.	0.1	1
310	Construction of Hydrolytically-Degradable Thin Films via Layer-by-Layer Deposition of Degradable Polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2002, 124, 13992-13993.	13.7	243
311	Particle Assembly on Patterned $\pm$ Polyelectrolyte Surfaces via Polymer-on-Polymer Stamping. <i>Langmuir</i> , 2002, 18, 4505-4510.	3.5	93
312	Polymer-on-Polymer Stamping: A Universal Approaches to Chemically Patterned Surfaces. <i>Langmuir</i> , 2002, 18, 2607-2615.	3.5	137
313	Two Component Particle Arrays on Patterned Polyelectrolyte Multilayer Templates. <i>Advanced Materials</i> , 2002, 14, 569.	21.0	201
314	Controlled Cluster Size in Patterned Particle Arrays via Directed Adsorption on Confined Surfaces. <i>Advanced Materials</i> , 2002, 14, 572.	21.0	143
315	Order-Disorder and Order-Order Transitions in Smectic C* Liquid Crystalline Diblock Copolymers. <i>ACS Symposium Series</i> , 2001, , 239-251.	0.5	0
316	Direct Observation of a Smectic Bilayer Microstructure in Side-Chain Liquid Crystalline Diblock Copolymers. <i>Macromolecules</i> , 2001, 34, 8574-8579.	4.8	40
317	Selective Deposition of Two-Dimensional Colloidal Arrays on Patterned Polyelectrolyte Multilayer Templates. <i>Materials Research Society Symposia Proceedings</i> , 2001, 694, 1.	0.1	0
318	Block copolymers of polystyrene and side-chain liquid crystalline siloxanes: morphology and thermal properties. <i>Polymer</i> , 2001, 42, 6945-6959.	3.8	13
319	Free-energy model of asymmetry in side-chain liquid-crystalline diblock copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 2671-2691.	2.1	38
320	Layer-by-Layer Assembly of PEDOT/Polyaniline Electrochromic Devices. <i>Advanced Materials</i> , 2001, 13, 1455-1459.	21.0	261
321	Selective Self-Organization of Colloids on Patterned Polyelectrolyte Templates. <i>Langmuir</i> , 2000, 16, 7825-7834.	3.5	271
322	The Role of Secondary Interactions in Selective Electrostatic Multilayer Deposition. <i>Langmuir</i> , 2000, 16, 10206-10214.	3.5	159
323	Selective Deposition in Layer-by-Layer Assembly: A Functional Graft Copolymers as Molecular Templates. <i>Langmuir</i> , 2000, 16, 8501-8509.	3.5	100
324	Mixed Surface Morphologies of Well-Defined Smectic Diblock Copolymer Ultrathin Films. <i>Macromolecules</i> , 2000, 33, 1108-1110.	4.8	14

#	ARTICLE	IF	CITATIONS
325	Recent explorations in electrostatic multilayer thin film assembly. <i>Current Opinion in Colloid and Interface Science</i> , 1999, 4, 430-442.	7.4	474
326	Langmuir Behavior and Ultrathin Films of New Linear-Block Dendritic Diblock Copolymers. <i>Langmuir</i> , 1999, 15, 1299-1306.	3.5	69
327	A Morphological Study of Well-Defined Smectic Side-Chain LC Block Copolymers. <i>Macromolecules</i> , 1999, 32, 4838-4848.	4.8	73
328	A SAXS Study of Microstructure Ordering Transitions in Liquid Crystalline Side-Chain Diblock Copolymers. <i>Macromolecules</i> , 1999, 32, 8066-8076.	4.8	50
329	Engineering the Microfabrication of Layer-by-Layer Thin Films. <i>Advanced Materials</i> , 1998, 10, 1515-1519.	21.0	155
330	Synthesis of polystyrene-polysiloxane side-chain liquid crystalline block copolymers. <i>Macromolecular Rapid Communications</i> , 1998, 19, 573-579.	3.9	24
331	Mesogen Orientation within Smectic C* Side Chain Liquid Crystalline Diblock Copolymers. <i>Macromolecules</i> , 1998, 31, 2686-2689.	4.8	35
332	Phase Behavior of New Side Chain Smectic C* Liquid Crystalline Block Copolymers. <i>Macromolecules</i> , 1998, 31, 711-721.	4.8	61
333	Well-Defined Smectic C* Side Chain Liquid Crystalline Polymers. <i>ACS Symposium Series</i> , 1998, , 227-247.	0.5	0
334	Synthesis and Solution Properties of New Linear-Dendritic Diblock Copolymers. <i>Macromolecules</i> , 1998, 31, 8757-8765.	4.8	140
335	The effect of ionic strength variation in the orientation characteristics of ionic polymer multilayers on patterned self-assembled monolayers using infrared reflection absorption spectroscopy. , 1998, , .		0
336	Thermochromism in Liquid Crystalline Polydiacetylenes. <i>Macromolecules</i> , 1997, 30, 5773-5782.	4.8	30
337	Ionic Effects of Sodium Chloride on the Templated Deposition of Polyelectrolytes Using Layer-by-Layer Ionic Assembly. <i>Macromolecules</i> , 1997, 30, 7237-7244.	4.8	162
338	Side Chain Liquid Crystalline Block Copolymers With Chiral Smectic C* Mesogens. <i>Materials Research Society Symposia Proceedings</i> , 1996, 425, 67.	0.1	0
339	Synthesis of new smectic C liquid-crystalline block copolymers. <i>Macromolecular Rapid Communications</i> , 1996, 17, 813-824.	3.9	31
340	Formation of Polymer Microstructures by Selective Deposition of Polyion Multilayers Using Patterned Self-Assembled Monolayers as a Template. <i>Macromolecules</i> , 1995, 28, 7569-7571.	4.8	156
341	Surface-Directed Colloid Patterning: Selective Deposition via Electrostatic and Secondary Interactions. , 0, , 317-341.		3
342	Promoting an Inclusive Lab Culture through Custom In-Person Trainings within an Engineering Department. , 0, , .		0