

# Paula T Hammond

## List of Publications by Year in descending order

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342  
papers

35,574  
citations

1793

106  
h-index

4622

176  
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356  
all docs

356  
docs citations

356  
times ranked

43129  
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.	3.6	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.	7.3	8
3	A review of treatments for non-compressible torso hemorrhage (NCTH) and internal bleeding. <i>Biomaterials</i> , 2022, 283, 121432.	5.7	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, .	3.3	46
5	Peptide-Based Cancer Vaccine Delivery via the STING <sup>TM</sup> -cGAMP Complex. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	12
6	Antifouling Surface Coatings from Self-Assembled Zwitterionic Aramid Amphiphile Nanoribbons. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	3
7	Approaches to Modulate the Chronic Wound Environment Using Localized Nucleic Acid Delivery. <i>Advances in Wound Care</i> , 2021, 10, 503-528.	2.6	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.	7.7	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.	5.7	11
10	Surface Plasmon-Enhanced Short-Wave Infrared Fluorescence for Detecting Sub-Millimeter-Sized Tumors. <i>Advanced Materials</i> , 2021, 33, e2006057.	11.1	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.	1.9	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.	1.6	7
13	Oxidation-Responsive, Tunable Growth Factor Delivery from Polyelectrolyte-Coated Implants. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001941.	3.9	18
14	Engineering Strategies for Immunomodulatory Cytokine Therapies: Challenges and Clinical Progress. <i>Advanced Therapeutics</i> , 2021, 4, 2100035.	1.6	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.	3.7	12
16	A design approach for layer-by-layer surface-mediated siRNA delivery. <i>Acta Biomaterialia</i> , 2021, 135, 331-341.	4.1	13
17	In vitro STING Activation with the cGAMP-STING <sup>TM</sup> Signaling Complex. <i>Bio-protocol</i> , 2021, 11, e3905.	0.2	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.	1.4	15

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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, .	3.3	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.	0.6	0
21	EXTH-26. LAYER-BY-LAYER NANOPARTICLES DESIGNED FOR DUAL BLOOD-BRAIN BARRIER AND GLIOMA TARGETING. Neuro-Oncology, 2021, 23, vi168-vi169.	0.6	0
22	Engineering Helical Modular Polypeptide-Based Hydrogels as Synthetic Extracellular Matrices for Cell Culture. Biomacromolecules, 2020, 21, 566-580.	2.6	23
23	Theranostic Layer-by-Layer Nanoparticles for Simultaneous Tumor Detection and Gene Silencing. Angewandte Chemie, 2020, 132, 2798-2805.	1.6	5
24	Theranostic Layer-by-Layer Nanoparticles for Simultaneous Tumor Detection and Gene Silencing. Angewandte Chemie - International Edition, 2020, 59, 2776-2783.	7.2	55
25	Temporal release of a three-component protein subunit vaccine from polymer multilayers. Journal of Controlled Release, 2020, 317, 130-141.	4.8	30
26	MFSD7C switches mitochondrial ATP synthesis to thermogenesis in response to heme. Nature Communications, 2020, 11, 4837.	5.8	21
27	Cancer Cell Coating Nanoparticles for Optimal Tumor-Specific Cytokine Delivery. ACS Nano, 2020, 14, 11238-11253.	7.3	45
28	Electrostatic Conjugation of Nanoparticle Surfaces with Functional Peptide Motifs. Bioconjugate Chemistry, 2020, 31, 2211-2219.	1.8	21
29	Rational design of multistage drug delivery vehicles for pulmonary RNA interference therapy. International Journal of Pharmaceutics, 2020, 591, 119989.	2.6	9
30	Plasticity of ether lipids promotes ferroptosis susceptibility and evasion. Nature, 2020, 585, 603-608.	13.7	420
31	Enhancing chemotherapy response through augmented synthetic lethality by co-targeting nucleotide excision repair and cell-cycle checkpoints. Nature Communications, 2020, 11, 4124.	5.8	20
32	Self-assembled cGAMP-STING <sup>1</sup> ™ signaling complex as a bioinspired platform for cGAMP delivery. Science Advances, 2020, 6, eaba7589.	4.7	41
33	Engineering PEG-based hydrogels to foster efficient endothelial network formation in free-swelling and confined microenvironments. Biomaterials, 2020, 243, 119921.	5.7	57
34	Theranostic Layer-by-Layer Nanoparticles for Simultaneous Tumor Detection and Gene Silencing (Angew. Chem. 7/2020). Angewandte Chemie, 2020, 132, 2936-2936.	1.6	1
35	Layer-by-Layer Biomaterials for Drug Delivery. Annual Review of Biomedical Engineering, 2020, 22, 1-24.	5.7	142
36	Tuning Nanoparticle Interactions with Ovarian Cancer through Layer-by-Layer Modification of Surface Chemistry. ACS Nano, 2020, 14, 2224-2237.	7.3	64

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37	Growing Contributions of Nano in 2020. <i>ACS Nano</i> , 2020, 14, 16163-16164.	7.3	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.	3.3	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.	5.8	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.	7.3	211
41	Broad-Spectrum Proteome Editing with an Engineered Bacterial Ubiquitin Ligase Mimic. <i>ACS Central Science</i> , 2019, 5, 852-866.	5.3	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.	3.9	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.	7.3	57
44	Deep-tissue optical imaging of near cellular-sized features. <i>Scientific Reports</i> , 2019, 9, 3873.	1.6	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.	7.8	86
46	Microneedle-based intradermal delivery of stabilized dengue virus. <i>Bioengineering and Translational Medicine</i> , 2019, 4, e10127.	3.9	26
47	Acceleration of Diabetic Wound Healing with PHD2- and miR-210-Targeting Oligonucleotides. <i>Tissue Engineering - Part A</i> , 2019, 25, 44-54.	1.6	28
48	Helmuth MÃ¶hwald (1946-2018). <i>ACS Nano</i> , 2018, 12, 3053-3055.	7.3	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.	4.0	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.	3.3	34
51	Hydrolysis resistant functional polypeptide scaffold for biomaterials. <i>Polymer Chemistry</i> , 2018, 9, 346-351.	1.9	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.	3.9	12
53	Cartilage-penetrating nanocarriers improve delivery and efficacy of growth factor treatment of osteoarthritis. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	183
54	Cell and fluid sampling microneedle patches for monitoring skin-resident immunity. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	111

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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.	7.3	72
56	A Highly Conductive and Mechanically Robust OH <sup>-</sup> Conducting Membrane for Alkaline Water Electrolysis. Chemistry of Materials, 2018, 30, 6420-6430.	3.2	43
57	Peptide-Programmable Nanoparticle Superstructures with Tailored Electrocatalytic Activity. ACS Nano, 2018, 12, 6554-6562.	7.3	19
58	Enhanced efficacy of combined temozolomide and bromodomain inhibitor therapy for gliomas using targeted nanoparticles. Nature Communications, 2018, 9, 1991.	5.8	229
59	Rationally Designed Polycationic Carriers for Potent Polymeric siRNA-Mediated Gene Silencing. ACS Nano, 2018, 12, 6504-6514.	7.3	54
60	Green fluorescent proteins engineered for cartilage-targeted drug delivery: Insights for transport into highly charged avascular tissues. Biomaterials, 2018, 183, 218-233.	5.7	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.	6.6	226
62	Structurally Programmed Assembly of Translation Initiation Nanoplex for Superior mRNA Delivery. ACS Nano, 2017, 11, 2531-2544.	7.3	74
63	Ligand-decorated click polypeptide derived nanoparticles for targeted drug delivery applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1797-1808.	1.7	30
64	Nanoscience and Nanotechnology Cross Borders. ACS Nano, 2017, 11, 1123-1126.	7.3	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.	3.6	19
66	Polyamine-Mediated Stoichiometric Assembly of Ribonucleoproteins for Enhanced mRNA Delivery. Angewandte Chemie, 2017, 129, 13897-13900.	1.6	10
67	Our First and Next Decades at ACS Nano. ACS Nano, 2017, 11, 7553-7555.	7.3	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.	3.2	68
69	Polyamine-Mediated Stoichiometric Assembly of Ribonucleoproteins for Enhanced mRNA Delivery. Angewandte Chemie - International Edition, 2017, 56, 13709-13712.	7.2	50
70	In vitro blood cell viability profiling of polymers used in molecular assembly. Scientific Reports, 2017, 7, 9481.	1.6	76
71	Mediated Growth of Zinc Chalcogen Shells on Gold Nanoparticles by Free-Base Amino Acids. Chemistry of Materials, 2017, 29, 6993-7001.	3.2	8
72	The role of iodide in the formation of lithium hydroxide in lithium-oxygen batteries. Energy and Environmental Science, 2017, 10, 1828-1842.	15.6	107

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73	Influence of Ammonium Salts on Discharge and Charge of Li <sup>+</sup> Batteries. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17671-17681.	1.5	14
74	Nano Tools Pave the Way to New Solutions in Infectious Disease. <i>ACS Infectious Diseases</i> , 2017, 3, 554-558.	1.8	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.	2.3	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.	4.0	15
77	Polymer conjugated retinoids for controlled transdermal delivery. <i>Journal of Controlled Release</i> , 2017, 262, 1-9.	4.8	35
78	A Big Year Ahead for Nano in 2018. <i>ACS Nano</i> , 2017, 11, 11755-11757.	7.3	1
79	Synthetic nanoscale electrostatic particles as growth factor carriers for cartilage repair. <i>Bioengineering and Translational Medicine</i> , 2016, 1, 347-356.	3.9	23
80	Nanoscience and Nanotechnology Impacting Diverse Fields of Science, Engineering, and Medicine. <i>ACS Nano</i> , 2016, 10, 10615-10617.	7.3	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.	7.8	0
82	Innenr¼cktitelbild: A Multi- $\epsilon$ 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.	1.6	0
83	A Multi- $\epsilon$ RNAi Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3347-3351.	7.2	86
84	Engineering Periodic shRNA for Enhanced Silencing Efficacy. <i>Molecular Therapy</i> , 2016, 24, 1070-1077.	3.7	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.	3.3	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.	5.7	40
87	One-Electron Mechanism in a Gel-Polymer Electrolyte Li <sup>+</sup> Battery. <i>Chemistry of Materials</i> , 2016, 28, 7167-7177.	3.2	40
88	Evaluation and Stability of PEDOT Polymer Electrodes for Li <sup>+</sup> Batteries. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3770-3775.	2.1	49
89	Nano Day: Celebrating the Next Decade of Nanoscience and Nanotechnology. <i>ACS Nano</i> , 2016, 10, 9093-9103.	7.3	77
90	Exploiting Nanocarriers for Combination Cancer Therapy. <i>Fundamental Biomedical Technologies</i> , 2016, , 375-402.	0.2	1

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91	Highly Scalable, Closed-Loop Synthesis of Drug-Loaded, Layer-by-Layer Nanoparticles. <i>Advanced Functional Materials</i> , 2016, 26, 991-1003.	7.8	67
92	Self-Assembled Wound Dressings Silence MMP-9 and Improve Diabetic Wound Healing In Vivo. <i>Advanced Materials</i> , 2016, 28, 1809-1817.	11.1	174
93	Rapid and efficient sprayed multilayer films for controlled drug delivery. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	25
94	Engineering nanolayered particles for modular drug delivery. <i>Journal of Controlled Release</i> , 2016, 240, 364-386.	4.8	112
95	A Multi-RNAi Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs. <i>Angewandte Chemie</i> , 2016, 128, 3408-3412.	1.6	4
96	Designer Dual Therapy Nanolayered Implant Coatings Eradicate Biofilms and Accelerate Bone Tissue Repair. <i>ACS Nano</i> , 2016, 10, 4441-4450.	7.3	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.	4.0	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.	6.5	10
99	Three-dimensional multilayered fibrous constructs for wound healing applications. <i>Biomaterials Science</i> , 2016, 4, 319-330.	2.6	20
100	A Flow Cytometric Clonogenic Assay Reveals the Single-Cell Potency of Doxorubicin. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 4409-4416.	1.6	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.	3.9	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.	3.2	55
104	M13 Virus-Enabled Synthesis of Titanium Dioxide Nanowires for Tunable Mesoporous Semiconducting Networks. <i>Chemistry of Materials</i> , 2015, 27, 1531-1540.	3.2	44
105	Tunable Nanostructured Coating for the Capture and Selective Release of Viable Circulating Tumor Cells. <i>Advanced Materials</i> , 2015, 27, 1593-1599.	11.1	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.	1.2	43
107	Biodegradable nano-films for capture and non-invasive release of circulating tumor cells. <i>Biomaterials</i> , 2015, 65, 93-102.	5.7	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.	4.0	28

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109	Multifunctional Self-Assembled Films for Rapid Hemostat and Sustained Anti-infective Delivery. ACS Biomaterials Science and Engineering, 2015, 1, 148-156.	2.6	39
110	Carbon nanotube/polyaniline core/shell nanostructured hydrogel for electrochemical energy storage. RSC Advances, 2015, 5, 37970-37977.	1.7	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.	5.0	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.	15.6	8
113	Instability of Poly(ethylene oxide) upon Oxidation in Lithium-Air Batteries. Journal of Physical Chemistry C, 2015, 119, 6947-6955.	1.5	77
114	A plug-and-play ratiometric pH-sensing nanoprobe for high-throughput investigation of endosomal escape. Biomaterials, 2015, 51, 250-256.	5.7	21
115	Layer-by-layer approaches to staging medicine from surfaces. AIChE Journal, 2015, 61, 1106-1117.	1.8	8
116	Lab-on-fiber optofluidic platform for in situ monitoring of drug release from therapeutic eluting polyelectrolyte multilayers. Optics Express, 2015, 23, 20132.	1.7	8
117	Uncharged Helical Modular Polypeptide Hydrogels for Cellular Scaffolds. Biomacromolecules, 2015, 16, 3774-3783.	2.6	25
118	Clotting Mimicry from Robust Hemostatic Bandages Based on Self-Assembling Peptides. ACS Nano, 2015, 9, 9394-9406.	7.3	118
119	Understanding the Chemical Stability of Polymers for Lithium-Air Batteries. Chemistry of Materials, 2015, 27, 550-561.	3.2	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.	2.1	74
121	Multilayer Transfer Printing of Electroactive Thin Film Composites. ACS Applied Materials & Interfaces, 2014, 6, 20519-20523.	4.0	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.	11.1	0
123	RNA Microsponges Form through Self-Assembly of the Organic and Inorganic Products of Transcription. Small, 2014, 10, 1623-1633.	5.2	86
124	Ordered and Kinetically Discrete Sequential Protein Release from Biodegradable Thin Films. Angewandte Chemie - International Edition, 2014, 53, 8093-8098.	7.2	27
125	A Nanoparticle-Based Combination Chemotherapy Delivery System for Enhanced Tumor Killing by Dynamic Rewiring of Signaling Pathways. Science Signaling, 2014, 7, ra44.	1.6	172
126	Spray-Layer-by-Layer Carbon Nanotube/Electrospun Fiber Electrodes for Flexible Chemiresistive Sensor Applications. Advanced Functional Materials, 2014, 24, 492-502.	7.8	148

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127	Enhanced ex vivo expansion of adult mesenchymal stem cells by fetal mesenchymal stem cell ECM. <i>Biomaterials</i> , 2014, 35, 4046-4057.	5.7	123
128	Vapor-Phase Polymerization of Nanofibrillar Poly(3,4-ethylenedioxythiophene) for Supercapacitors. <i>ACS Nano</i> , 2014, 8, 1500-1510.	7.3	217
129	Tunable staged release of therapeutics from layer-by-layer coatings with clay interlayer barrier. <i>Biomaterials</i> , 2014, 35, 2507-2517.	5.7	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.	1.3	52
131	Clickable Synthetic Polypeptides—Routes to New Highly Adaptive Biomaterials. <i>Chemistry of Materials</i> , 2014, 26, 461-476.	3.2	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.	1.3	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.	3.9	139
134	Redox-responsive branched-bottlebrush polymers for in vivo MRI and fluorescence imaging. <i>Nature Communications</i> , 2014, 5, 5460.	5.8	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.	3.3	128
136	Chemical Instability of Dimethyl Sulfoxide in Lithium Air Batteries. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2850-2856.	2.1	210
137	Multilayer Films Assembled from Naturally-Derived Materials for Controlled Protein Release. <i>Biomacromolecules</i> , 2014, 15, 2049-2057.	2.6	47
138	Environmentally responsible fabrication of efficient perovskite solar cells from recycled car batteries. <i>Energy and Environmental Science</i> , 2014, 7, 3659-3665.	15.6	94
139	Bimodal Tumor-Targeting from Microenvironment Responsive Hyaluronan Layer-by-Layer (LbL) Nanoparticles. <i>ACS Nano</i> , 2014, 8, 8374-8382.	7.3	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.	3.3	51
141	Layer-by-Layer Assembled Antisense DNA Microsponge Particles for Efficient Delivery of Cancer Therapeutics. <i>ACS Nano</i> , 2014, 8, 9767-9780.	7.3	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.	7.3	53
143	Li-Anode Protective Layers for Li Rechargeable Batteries via Layer-by-Layer Approaches. <i>Chemistry of Materials</i> , 2014, 26, 2579-2585.	3.2	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.	5.2	26

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145	FRET-enabled biological characterization of polymeric micelles. <i>Biomaterials</i> , 2014, 35, 3489-3496.	5.7	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.	6.6	338
147	Osteotropic Therapy via Targeted Layer-by-Layer Nanoparticles. <i>Advanced Healthcare Materials</i> , 2014, 3, 867-875.	3.9	68
148	PEG-Polypeptide Block Copolymers as pH-Responsive Endosome-Solubilizing Drug Nanocarriers. <i>Molecular Pharmaceutics</i> , 2014, 11, 2420-2430.	2.3	70
149	Fluorescent Multiblock Conjugated Polymer Nanoparticles for In Vivo Tumor Targeting. <i>Advanced Materials</i> , 2013, 25, 4504-4510.	11.1	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.	4.0	37
151	Nanoparticles made to order "inside and out". <i>Membrane Technology</i> , 2013, 2013, 8.	0.5	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.	7.3	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.	7.8	0
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