Thomas P Davis

List of Publications by Year
in descending order

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771 papers	54,822 citations	1070 116 h-index	3595 187 g-index
777 all docs	777 docs citations	777 times ranked	43422 citing authors

#	Article	IF	Citations
1	miR-99b-5p, miR-380-3p, and miR-485-3p are novel chemosensitizing miRNAs in high-risk neuroblastoma. Molecular Therapy, 2022, 30, 1119-1134.	3.7	5
2	Spatio-temporal analysis of nanoparticles in live tumor spheroids impacted by cell origin and density. Journal of Controlled Release, 2022, 341, 661-675.	4.8	12
3	Thiol-responsive lyotropic liquid crystals exhibit triggered phase re-arrangement and hydrogen sulfide (H2S) release. Journal of Colloid and Interface Science, 2022, 613, 218-223.	5.0	0
4	Bloodâ€“Brain Barrier Transporters: Opportunities for Therapeutic Development in Ischemic Stroke. International Journal of Molecular Sciences, 2022, 23, 1898.	1.8	26
5	Schwann cell endosome CGRP signals elicit periorbital mechanical allodynia in mice. Nature Communications, 2022, 13, 646.	5.8	57
6	Engineering Polymers via Understanding the Effect of Anchoring Groups for Highly Stable Liquid Metal Nanoparticles. ACS Applied Nano Materials, 2022, 5, 5959-5971.	2.4	24
7	Heat-Induced Living Crystallization-Driven Self-Assembly: The Effect of Temperature and Polymer Composition on the Assembly and Disassembly of Poly(2-oxazoline) Nanorods. Macromolecules, 2022, 55, 3650-3660.	2.2	12
8	High-Dose Acetaminophen Alters the Integrity of the Bloodâ€“Brain Barrier and Leads to Increased CNS Uptake of Codeine in Rats. Pharmaceutics, 2022, 14, 949.	2.0	2
9	Zwitterionic Amino Acid-Derived Polyacrylates as Smart Materials Exhibiting Cellular Specificity and Therapeutic Activity. Biomacromolecules, 2022, 23, 2374-2387.	2.6	17
10	Regulation of Blood-Brain Barrier Transporters by Transforming Growth Factor-Î²/Activin Receptor-Like Kinase 1 Signaling: Relevance to the Brain Disposition of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibitors (i.e., Statins). Drug Metabolism and Disposition, 2022, 50, 942-956.	1.7	7
11	Sustained endosomal release of a neurokinin-1 receptor antagonist from nanostars provides long-lasting relief of chronic pain. Biomaterials, 2022, 285, 121536.	5.7	16
12	Trisulfide linked cholesteryl PEG conjugate attenuates intracellular ROS and collagen-1 production in a breast cancer co-culture model. Biomaterials Science, 2021, 9, 835-846.	2.6	11
13	Transport Properties of Statins by Organic Anion Transporting Polypeptide 1A2 and Regulation by Transforming Growth Factor-Î² Signaling in Human Endothelial Cells. Journal of Pharmacology and Experimental Therapeutics, 2021, 376, 148-160.	1.3	18
14	Antifouling Surfaces Enabled by Surface Grafting of Highly Hydrophilic Sulfoxide Polymer Brushes. Biomacromolecules, 2021, 22, 330-339.	2.6	43
15	The Membrane Axis of Alzheimer's Nanomedicine. Advanced NanoBiomed Research, 2021, 1, 2000040.	1.7	12
16	Ex vivo culture of intact human patient derived pancreatic tumour tissue. Scientific Reports, 2021, 11, 1944.	1.6	27
17	In vitro and in vivo models for anti-amyloidosis nanomedicines. Nanoscale Horizons, 2021, 6, 95-119.	4.1	13
18	A lipid-anchored neurokinin 1 receptor antagonist prolongs pain relief by a three-pronged mechanism of action targeting the receptor at the plasma membrane and in endosomes. Journal of Biological Chemistry, 2021, 296, 100345.	1.6	17

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19	Organic Cation Transporter (OCT/OCTN) Expression at Brain Barrier Sites: Focus on CNS Drug Delivery. Handbook of Experimental Pharmacology, 2021, 266, 301-328.	0.9	14
20	Hemagglutinin Functionalized Liposomal Vaccines Enhance Germinal Center and Follicular Helper T Cell Immunity. Advanced Healthcare Materials, 2021, 10, e2002142.	3.9	27
21	Polymeric micelles with anti-virulence activity against Candida albicans in a single- and dual-species biofilm. Drug Delivery and Translational Research, 2021, 11, 1586-1597.	3.0	10
22	Stroke Treatment With PAR-1 Agents to Decrease Hemorrhagic Transformation. Frontiers in Neurology, 2021, 12, 593582.	1.1	11
23	Serotonin-induced vascular permeability is mediated by transient receptor potential vanilloid 4 in the airways and upper gastrointestinal tract of mice. Laboratory Investigation, 2021, 101, 851-864.	1.7	8
24	Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition. Cancer Research, 2021, 81, 3461-3479.	0.4	62
25	Spontaneous formation of Î²-sheet nano-barrels during the early aggregation of Alzheimerâ€™s amyloid beta. Nano Today, 2021, 38, 101125.	6.2	44
26	Ultrasmall Molybdenum Disulfide Quantum Dots Cage Alzheimerâ€™s Amyloid Beta to Restore Membrane Fluidity. ACS Applied Materials & Interfaces, 2021, 13, 29936-29948.	4.0	22
27	Interactions of core cross-linked poly(2-oxazoline) and poly(2-oxazine) micelles with immune cells in human blood. Biomaterials, 2021, 274, 120843.	5.7	26
28	Inhibition of Amyloid Aggregation and Toxicity with Janus Iron Oxide Nanoparticles. Chemistry of Materials, 2021, 33, 6484-6500.	3.2	25
29	Nanotoxicology and nanomedicine: The Yin and Yang of nano-bio interactions for the new decade. Nano Today, 2021, 39, 101184.	6.2	67
30	From influenza to COVID-19: Lipid nanoparticle mRNA vaccines at the frontiers of infectious diseases. Acta Biomaterialia, 2021, 131, 16-40.	4.1	140
31	A Framework of Paracellular Transport via Nanoparticlesâ€Induced Endothelial Leakiness. Advanced Science, 2021, 8, e2102519.	5.6	22
32	Stealth nanorods via the aqueous living crystallisation-driven self-assembly of poly(2-oxazoline)s. Chemical Science, 2021, 12, 7350-7360.	3.7	35
33	Nitroxide-functional PEGylated nanostars arrest cellular oxidative stress and exhibit preferential accumulation in co-cultured breast cancer cells. Journal of Materials Chemistry B, 2021, 9, 7805-7820.	2.9	3
34	Amyloid Aggregation under the Lens of Liquidâ€“Liquid Phase Separation. Journal of Physical Chemistry Letters, 2021, 12, 368-378.	2.1	34
35	Intrinsic Green Fluorescent Cross-Linked Poly(ester amide)s by Spontaneous Zwitterionic Copolymerization. Biomacromolecules, 2021, 22, 4794-4804.	2.6	6
36	Engineering macromolecular nanocarriers for local delivery of gaseous signaling molecules. Advanced Drug Delivery Reviews, 2021, 179, 114005.	6.6	30

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37	Graphene quantum dots obstruct the membrane axis of Alzheimer's amyloid beta. Physical Chemistry Chemical Physics, 2021, 24, 86-97.	1.3	14
38	Dynamic Protein Corona of Gold Nanoparticles with an Evolving Morphology. ACS Applied Materials & Interfaces, 2021, 13, 58238-58251.	4.0	23
39	Mitigation of Amyloidosis with Nanomaterials. Advanced Materials, 2020, 32, e1901690.	11.1	87
40	Polymer-Assisted Magnetic Nanoparticle Assemblies for Biomedical Applications. ACS Applied Bio Materials, 2020, 3, 121-142.	2.3	51
41	Delivery of polymeric nanostars for molecular imaging and endoradiotherapy through the enhanced permeability and retention (EPR) effect. Theranostics, 2020, 10, 567-584.	4.6	63
42	Human Plasma Protein Corona of AÎ² Amyloid and Its Impact on Islet Amyloid Polypeptide Cross-Seeding. Biomacromolecules, 2020, 21, 988-998.	2.6	15
43	Elucidating the effect of sequence and degree of polymerization on antimicrobial properties for block copolymers. Polymer Chemistry, 2020, 11, 84-90.	1.9	31
44	Functionalization of NaGdF₄ nanoparticles with a dibromomaleimide-terminated polymer for MR/optical imaging of thrombosis. Polymer Chemistry, 2020, 11, 1010-1017.	1.9	4
45	Nonionic Water-Soluble and Cytocompatible Poly(amide acrylate)s. Macromolecules, 2020, 53, 693-701.	2.2	9
46	Accelerated Amyloid Beta Pathogenesis by Bacterial Amyloid FapC. Advanced Science, 2020, 7, 2001299.	5.6	47
47	Trisulfide-Bearing PEG Brush Polymers Donate Hydrogen Sulfide and Ameliorate Cellular Oxidative Stress. Biomacromolecules, 2020, 21, 5292-5305.	2.6	8
48	Biomedical Applications of Liquid Metal Nanoparticles: A Critical Review. Biosensors, 2020, 10, 196.	2.3	59
49	Poly(2-isopropenyl-2-oxazoline) â€“ a structural analogue to poly(vinyl azlactone) with Orthogonal Reactivity. Polymer Chemistry, 2020, 11, 5681-5692.	1.9	14
50	Amyloidosis inhibition, a new frontier of the protein corona. Nano Today, 2020, 35, 100937.	6.2	32
51	Implications of the Human Gutâ€“Brain and Gutâ€“Cancer Axes for Future Nanomedicine. ACS Nano, 2020, 14, 14391-14416.	7.3	30
52	Structure, Function, and Regulation of the Blood-Brain Barrier Tight Junction in Central Nervous System Disorders. Frontiers in Physiology, 2020, 11, 914.	1.3	184
53	Regulation of bloodâ€“brain barrier integrity by microglia in health and disease: A therapeutic opportunity. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, S6-S24.	2.4	196
54	Cellular Interactions: Cellular Interactions of Liposomes and PISA Nanoparticles during Human Blood Flow in a Microvascular Network (Small 33/2020). Small, 2020, 16, 2070185.	5.2	1

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55	The transient receptor potential vanilloid 4 (TRPV4) ion channel mediates protease activated receptor 1 (PAR1)-induced vascular hyperpermeability. Laboratory Investigation, 2020, 100, 1057-1067.	1.7	11
56	Amyloidosis: Mitigation of Amyloidosis with Nanomaterials (Adv. Mater. 18/2020). Advanced Materials, 2020, 32, 2070146.	11.1	2
57	Sulfoxideâ€Containing Polymerâ€Coated Nanoparticles Demonstrate Minimal Protein Fouling and Improved Blood Circulation. Advanced Science, 2020, 7, 2000406.	5.6	43
58	Elevated amyloidoses of human IAPP and amyloid beta by lipopolysaccharide and their mitigation by carbon quantum dots. Nanoscale, 2020, 12, 12317-12328.	2.8	23
59	Functional NHE1 expression is critical to blood brain barrier integrity and sumatriptan blood to brain uptake. PLoS ONE, 2020, 15, e0227463.	1.1	8
60	Proteins Conjugated with Sulfoxide-Containing Polymers Show Reduced Macrophage Cellular Uptake and Improved Pharmacokinetics. ACS Macro Letters, 2020, 9, 799-805.	2.3	30
61	Polymers with Dithiobenzoate End Groups Constitutively Release Hydrogen Sulfide upon Exposure to Cysteine and Homocysteine. ACS Macro Letters, 2020, 9, 553-557.	2.3	11
62	H₂S-Donating trisulfide linkers confer unexpected biological behaviour to poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.9	7
63	Recent advances in molecular imaging of atherosclerotic plaques and thrombosis. Nanoscale, 2020, 12, 8040-8064.	2.8	38
64	pHâ€Responsive Polymers for Improving the Signalâ€toâ€Noise Ratio of Hypoxia PET Imaging with [18 F]Fluoromisonidazole. Macromolecular Rapid Communications, 2020, 41, 2000061.	2.0	4
65	Nanomaterial synthesis, an enabler of amyloidosis inhibition against human diseases. Nanoscale, 2020, 12, 14422-14440.	2.8	22
66	Half a century of amyloids: past, present and future. Chemical Society Reviews, 2020, 49, 5473-5509.	18.7	345
67	Cellular Interactions of Liposomes and PISA Nanoparticles during Human Blood Flow in a Microvascular Network. Small, 2020, 16, e2002861.	5.2	67
68	3K3A-Activated Protein C Variant Does Not Interfere With the Plasma Clot Lysis Activity of Tenecteplase. Stroke, 2020, 51, 2236-2239.	1.0	1
69	Tuning Cellular Interactions of Carboxylic Acid-Side-Chain-Containing Polyacrylates: The Role of Cyanine Dye Label and Side-Chain Type. Biomacromolecules, 2020, 21, 3007-3016.	2.6	14
70	Design and preclinical evaluation of nanostars for the passive pretargeting of tumor tissue. Nuclear Medicine and Biology, 2020, 84-85, 63-72.	0.3	16
71	Transporter-Mediated Delivery of Small Molecule Drugs to the Brain: A Critical Mechanism That Can Advance Therapeutic Development for Ischemic Stroke. Pharmaceutics, 2020, 12, 154.	2.0	27
72	Multimodal Nanoprobe for Pancreatic Beta Cell Detection and Amyloidosis Mitigation. Chemistry of Materials, 2020, 32, 1080-1088.	3.2	16

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73	Nanosilver Mitigates Biofilm Formation via FapC Amyloidosis Inhibition. Small, 2020, 16, e1906674.	5.2	26
74	pH-Responsive copolymer micelles to enhance itraconazole efficacy against Candida albicans biofilms. Journal of Materials Chemistry B, 2020, 8, 1672-1681.	2.9	26
75	Stimuli-responsive nano-assemblies for remotely controlled drug delivery. Journal of Controlled Release, 2020, 322, 566-592.	4.8	107
76	Synthesis of biscarboxylic acid functionalised EDTA mimicking polymers and their ability to form Zr(<scp>iv</scp>) chelation mediated nanostructures. Polymer Chemistry, 2020, 11, 2799-2810.	1.9	7
77	Title is missing!. , 2020, 15, e0227463.		0
78	Title is missing!. , 2020, 15, e0227463.		0
79	Title is missing!. , 2020, 15, e0227463.		0
80	Title is missing!. , 2020, 15, e0227463.		0
81	Controlling Nanomaterial Size and Shape for Biomedical Applications via Polymerizationâ€Induced Selfâ€Assembly. Macromolecular Rapid Communications, 2019, 40, e1800438.	2.0	136
82	Carboxylated Cy5-Labeled Comb Polymers Passively Diffuse the Cell Membrane and Target Mitochondria. ACS Applied Materials & Interfaces, 2019, 11, 31302-31310.	4.0	34
83	Differential Roles of Plasma Protein Corona on Immune Cell Association and Cytokine Secretion of Oligomeric and Fibrillar Beta-Amyloid. Biomacromolecules, 2019, 20, 4208-4217.	2.6	16
84	A pH-responsive nanoparticle targets the neurokinin 1 receptor in endosomes to prevent chronic pain. Nature Nanotechnology, 2019, 14, 1150-1159.	15.6	103
85	Engineering Organic/Inorganic Nanohybrids through RAFT Polymerization for Biomedical Applications. Biomacromolecules, 2019, 20, 4243-4257.	2.6	35
86	Single-Molecular Heteroamyloidosis of Human Islet Amyloid Polypeptide. Nano Letters, 2019, 19, 6535-6546.	4.5	27
87	Inhibition of amyloid beta toxicity in zebrafish with a chaperone-gold nanoparticle dual strategy. Nature Communications, 2019, 10, 3780.	5.8	132
88	Graphene quantum dots rescue protein dysregulation of pancreatic Î²-cells exposed to human islet amyloid polypeptide. Nano Research, 2019, 12, 2827-2834.	5.8	34
89	Probing the Aggregation and Immune Response of Human Islet Amyloid Polypeptides with Ligand-Stabilized Gold Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 10462-10471.	4.0	37
90	A novel small molecule that kills a subset of MLL-rearranged leukemia cells by inducing mitochondrial dysfunction. Oncogene, 2019, 38, 3824-3842.	2.6	17

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91	Tuning the Structure, Stability, and Responsivity of Polymeric Arsenical Nanoparticles Using Polythiol Cross-Linkers. Macromolecules, 2019, 52, 992-1003.	2.2	13
92	Intra-articular Treatment of Osteoarthritis with Diclofenac-Conjugated Polymer Reduces Inflammation and Pain. ACS Applied Bio Materials, 2019, 2, 2822-2832.	2.3	12
93	Amphiphilic surface chemistry of fullerenols is necessary for inhibiting the amyloid aggregation of alpha-synuclein NACore. Nanoscale, 2019, 11, 11933-11945.	2.8	47
94	Development of a shapeâ€controlled H 2 S delivery system using epoxideâ€functional nanoparticles. Journal of Polymer Science Part A, 2019, 57, 1982-1993.	2.5	7
95	Amyloid Selfâ€Assembly of hIAPP8â€20 via the Accumulation of Helical Oligomers, Î±â€Helix to Î²â€Sheet Transition, and Formation of Î²â€Barrel Intermediates. Small, 2019, 15, e1805166.	5.2	49
96	Rapid Assessment of Nanoparticle Extravasation in a Microfluidic Tumor Model. ACS Applied Nano Materials, 2019, 2, 1844-1856.	2.4	36
97	Distribution of insulin in trigeminal nerve and brain after intranasal administration. Scientific Reports, 2019, 9, 2621.	1.6	72
98	Polymeric arsenicals as scaffolds for functional and responsive hydrogels. Journal of Materials Chemistry B, 2019, 7, 4263-4271.	2.9	4
99	Functional Brush Poly(2â€ethylâ€2â€oxazine)s: Synthesis by CROP and RAFT, Thermoresponsiveness and Grafting onto Iron Oxide Nanoparticles. Macromolecular Rapid Communications, 2019, 40, e1800911.	2.0	23
100	Perivascular and Perineural Pathways Involved in Brain Delivery and Distribution of Drugs after Intranasal Administration. Pharmaceutics, 2019, 11, 598.	2.0	49
101	An optimised Cu(0)-RDRP approach for the synthesis of lipidated oligomeric vinyl azlactone: toward a versatile antimicrobial materials screening platform. Journal of Materials Chemistry B, 2019, 7, 6796-6809.	2.9	11
102	Thiol-Reactive Star Polymers Functionalized with Short Ethoxy-Containing Moieties Exhibit Enhanced Uptake in Acute Lymphoblastic Leukemia Cells . International Journal of Nanomedicine, 2019, Volume 14, 9795-9808.	3.3	8
103	Physical and toxicological profiles of human IAPP amyloids and plaques. Science Bulletin, 2019, 64, 26-35.	4.3	24
104	Final Results of the RHAPSODY Trial: A Multiâ€Center, Phase 2 Trial Using a Continual Reassessment Method to Determine the Safety and Tolerability of 3K3Aâ€APC, A Recombinant Variant of Human Activated Protein C, in Combination with Tissue Plasminogen Activator, Mechanical Thrombectomy or both in Moderate to Severe Acute Ischemic Stroke. Annals of Neurology, 2019, 85, 125-136.	2.8	113
105	Vascular dysfunctionâ€"The disregarded partner of Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 158-167.	0.4	454
106	Functional Liquid Metal Nanoparticles Produced by Liquidâ€Based Nebulization. Advanced Materials Technologies, 2019, 4, 1800420.	3.0	78
107	Nucleation of Î²-rich oligomers and Î²-barrels in the early aggregation of human islet amyloid polypeptide. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 434-444.	1.8	44
108	Synthesis and identification of novel pyridazinylpyrazolone based diazo compounds as inhibitors of human islet amyloid polypeptide aggregation. Bioorganic Chemistry, 2019, 84, 339-346.	2.0	12

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109	Microfluidic Mass Production of Stabilized and Stealthy Liquid Metal Nanoparticles. Small, 2018, 14, e1800118.	5.2	117
110	Human plasma proteome association and cytotoxicity of nano-graphene oxide grafted with stealth polyethylene glycol and poly(2-ethyl-2-oxazoline). Nanoscale, 2018, 10, 10863-10875.	2.8	42
111	Serum albumin impedes the amyloid aggregation and hemolysis of human islet amyloid polypeptide and alpha synuclein. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1803-1809.	1.4	36
112	Synthesis, aggregation and responsivity of block copolymers containing organic arsenicals. Polymer Chemistry, 2018, 9, 1551-1556.	1.9	12
113	Overcoming Surfactant-Induced Morphology Instability of Noncrosslinked Diblock Copolymer Nano-Objects Obtained by RAFT Emulsion Polymerization. ACS Macro Letters, 2018, 7, 159-165.	2.3	38
114	Nano-assemblies of cationic mPEG brush block copolymers with gadolinium polyoxotungstate [Gd(W₅O₁₈)₂]^{9â¯} form stable, high relaxivity MRI contrast agents. Nanoscale, 2018, 10, 7270-7280.	2.8	8
115	The effects of particle size, shape, density and flow characteristics on particle margination to vascular walls in cardiovascular diseases. Expert Opinion on Drug Delivery, 2018, 15, 33-45.	2.4	77
116	Nanoscale inhibition of polymorphic and ambidextrous IAPP amyloid aggregation with small molecules. Nano Research, 2018, 11, 3636-3647.	5.8	35
117	Uptake and transcytosis of functionalized superparamagnetic iron oxide nanoparticles in an in vitro blood brain barrier model. Biomaterials Science, 2018, 6, 314-323.	2.6	36
118	Journey to the centre of the cell: Virtual reality immersion into scientific data. Traffic, 2018, 19, 105-110.	1.3	74
119	Loss of Blood-Brain Barrier Integrity in a KCl-Induced Model of Episodic Headache Enhances CNS Drug Delivery. ENeuro, 2018, 5, ENEURO.0116-18.2018.	0.9	26
120	Graphene quantum dots against human IAPP aggregation and toxicity in vivo. Nanoscale, 2018, 10, 19995-20006.	2.8	100
121	Linker chemistry dictates the delivery of a phototoxic organometallic rhenium(<scp>i</scp>) complex to human cervical cancer cells from core crosslinked star polymer nanoparticles. Journal of Materials Chemistry B, 2018, 6, 7805-7810.	2.9	9
122	Arginine-Rich Manganese Silicate Nanobubbles as a Ferroptosis-Inducing Agent for Tumor-Targeted Theranostics. ACS Nano, 2018, 12, 12380-12392.	7.3	292
123	Bioconjugation and Fluorescence Labeling of Iron Oxide Nanoparticles Grafted with Bromomaleimide-Terminal Polymers. Biomacromolecules, 2018, 19, 4423-4429.	2.6	32
124	Exploiting Macromolecular Design To Optimize the Antibacterial Activity of Alkylated Cationic Oligomers. Biomacromolecules, 2018, 19, 4629-4640.	2.6	14
125	Modulation of Opioid Transport at the Blood-Brain Barrier by Altered ATP-Binding Cassette (ABC) Transporter Expression and Activity. Pharmaceutics, 2018, 10, 192.	2.0	21
126	Acute pain alters P-glycoprotein-containing protein complexes in rat cerebral microvessels: Implications for P-glycoprotein trafficking. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 2209-2222.	2.4	14

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127	Mitigating Human IAPP Amyloidogenesis In Vivo with Chiral Silica Nanoribbons. Small, 2018, 14, e1802825.	5.2	57
128	Minimum information reporting in bioâ€“nano experimental literature. Nature Nanotechnology, 2018, 13, 777-785.	15.6	455
129	Profiling the Serum Protein Corona of Fibrillar Human Islet Amyloid Polypeptide. ACS Nano, 2018, 12, 6066-6078.	7.3	39
130	Understanding Effects of PAMAM Dendrimer Size and Surface Chemistry on Serum Protein Binding with Discrete Molecular Dynamics Simulations. ACS Sustainable Chemistry and Engineering, 2018, 6, 11704-11715.	3.2	41
131	Nanoparticleâ€“proteome in vitro and in vivo. Journal of Materials Chemistry B, 2018, 6, 6026-6041.	2.9	18
132	Biologically Targeted Magnetic Hyperthermia: Potential and Limitations. Frontiers in Pharmacology, 2018, 9, 831.	1.6	340
133	Elucidating the Influences of Size, Surface Chemistry, and Dynamic Flow on Cellular Association of Nanoparticles Made by Polymerizationâ€Induced Selfâ€Assembly. Small, 2018, 14, e1801702.	5.2	67
134	Efficient Binding, Protection, and Self-Release of dsRNA in Soil by Linear and Star Cationic Polymers. ACS Macro Letters, 2018, 7, 909-915.	2.3	28
135	Recent advances in the delivery of hydrogen sulfide via a macromolecular approach. Polymer Chemistry, 2018, 9, 4431-4439.	1.9	39
136	In Vivo Mitigation of Amyloidogenesis through Functionalâ€“Pathogenic Double-Protein Coronae. Nano Letters, 2018, 18, 5797-5804.	4.5	39
137	Organic Arsenicals as Functional Motifs in Polymer and Biomaterials Science. Macromolecular Rapid Communications, 2018, 39, 1800205.	2.0	11
138	A tunable one-pot three-component synthesis of an¹²⁵I and Gd-labelled star polymer nanoparticle for hybrid imaging with MRI and nuclear medicine. Polymer Chemistry, 2018, 9, 3528-3535.	1.9	8
139	Chronic morphine exposure potentiates p-glycoprotein trafficking from nuclear reservoirs in cortical rat brain microvessels. PLoS ONE, 2018, 13, e0192340.	1.1	15
140	Recent Advances in Magnetic Nanoparticle-based Molecular Probes for Hepatocellular Carcinoma Diagnosis and Therapy. Current Pharmaceutical Design, 2018, 24, 2432-2437.	0.9	13
141	Surfactant-free RAFT emulsion polymerization using a novel biocompatible thermoresponsive polymer. Polymer Chemistry, 2017, 8, 1353-1363.	1.9	62
142	Differential effects of silver and iron oxide nanoparticles on IAPP amyloid aggregation. Biomaterials Science, 2017, 5, 485-493.	2.6	53
143	A traceless reversible polymeric colistin prodrug to combat multidrug-resistant (MDR) gram-negative bacteria. Journal of Controlled Release, 2017, 259, 83-91.	4.8	15
144	Engineered Hydrogen-Bonded Glycopolymer Capsules and Their Interactions with Antigen Presenting Cells. ACS Applied Materials & Interfaces, 2017, 9, 6444-6452.	4.0	15

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145	Light-Mediated Atom Transfer Radical Polymerization of Semi-Fluorinated (Meth)acrylates: Facile Access to Functional Materials. Journal of the American Chemical Society, 2017, 139, 5939-5945.	6.6	121
146	Bone morphogenetic protein-9 increases the functional expression of organic anion transporting polypeptide 1a4 at the bloodâ€“brain barrier via the activin receptor-like kinase-1 receptor. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2340-2345.	2.4	18
147	Specific and Differential Binding of N-Acetylgalactosamine Glycopolymers to the Human Macrophage Galactose Lectin and Asialoglycoprotein Receptor. Biomacromolecules, 2017, 18, 1624-1633.	2.6	32
148	Practical Chainâ€End Reduction of Polymers Obtained with ATRP. Macromolecular Chemistry and Physics, 2017, 218, 1700107.	1.1	13
149	NanoEHS beyond toxicity â€“ focusing on biocorona. Environmental Science: Nano, 2017, 4, 1433-1454.	2.2	43
150	Functional Expression of P-glycoprotein and Organic Anion Transporting Polypeptides at the Blood-Brain Barrier: Understanding Transport Mechanisms for Improved CNS Drug Delivery?. AAPS Journal, 2017, 19, 931-939.	2.2	61
151	Thiol-Reactive Star Polymers Display Enhanced Association with Distinct Human Blood Components. ACS Applied Materials & Interfaces, 2017, 9, 12182-12194.	4.0	24
152	Hypoxic Stress and Inflammatory Pain Disrupt Blood-Brain Barrier Tight Junctions: Implications for Drug Delivery to the Central Nervous System. AAPS Journal, 2017, 19, 910-920.	2.2	56
153	Cationic acrylate oligomers comprising amino acid mimic moieties demonstrate improved antibacterial killing efficiency. Journal of Materials Chemistry B, 2017, 5, 531-536.	2.9	38
154	Oneâ€Pot Synthesis of ABCDE Multiblock Copolymers with Hydrophobic, Hydrophilic, and Semiâ€Fluorinated Segments. Angewandte Chemie - International Edition, 2017, 56, 14483-14487.	7.2	105
155	Polymers with acyl-protected perthiol chain termini as convenient building blocks for doubly responsive H₂S-donating nanoparticles. Polymer Chemistry, 2017, 8, 6362-6367.	1.9	18
156	Star Polymers Reduce Islet Amyloid Polypeptide Toxicity via Accelerated Amyloid Aggregation. Biomacromolecules, 2017, 18, 4249-4260.	2.6	65
157	Lipidated polymers for the stabilization of cubosomes: nanostructured drug delivery vehicles. Chemical Communications, 2017, 53, 10552-10555.	2.2	13
158	Polymerization-Induced Self-Assembly: The Effect of End Group and Initiator Concentration on Morphology of Nanoparticles Prepared via RAFT Aqueous Emulsion Polymerization. ACS Macro Letters, 2017, 6, 1013-1019.	2.3	89
159	Synthesis of Star Polymers by RAFT Polymerization as Versatile Nanoparticles for Biomedical Applications. Australian Journal of Chemistry, 2017, 70, 1161.	0.5	27
160	Influence of Size and Shape on the Biodistribution of Nanoparticles Prepared by Polymerization-Induced Self-Assembly. Biomacromolecules, 2017, 18, 3963-3970.	2.6	87
161	Modular photo-induced RAFT polymerised hydrogels via thiolâ€“ene click chemistry for 3D cell culturing. Polymer Chemistry, 2017, 8, 6123-6133.	1.9	18
162	Zinc-coordination and C-peptide complexation: a potential mechanism for the endogenous inhibition of IAPP aggregation. Chemical Communications, 2017, 53, 9394-9397.	2.2	21

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