

Thomas P Davis

List of Publications by Year in descending order

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32
papers

1,152
citations

430754

18
h-index

414303

32
g-index

32
all docs

32
docs citations

32
times ranked

1623
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In vitro</i> and <i>in vivo</i> models for anti-amyloidosis nanomedicines. <i>Nanoscale Horizons</i> , 2021, 6, 95-119.	4.1	13
2	Spontaneous formation of β^2 -sheet nano-barrels during the early aggregation of Alzheimer's amyloid beta. <i>Nano Today</i> , 2021, 38, 101125.	6.2	44
3	Ultrasmall Molybdenum Disulfide Quantum Dots Cage Alzheimer's Amyloid Beta to Restore Membrane Fluidity. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29936-29948.	4.0	22
4	A Framework of Paracellular Transport via Nanoparticles-Induced Endothelial Leakiness. <i>Advanced Science</i> , 2021, 8, e2102519.	5.6	22
5	Stealth nanorods <i>via</i> the aqueous living crystallisation-driven self-assembly of poly(2-oxazoline)s. <i>Chemical Science</i> , 2021, 12, 7350-7360.	3.7	35
6	Nitroxide-functional PEGylated nanostars arrest cellular oxidative stress and exhibit preferential accumulation in co-cultured breast cancer cells. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7805-7820.	2.9	3
7	Intrinsic Green Fluorescent Cross-Linked Poly(ester amide)s by Spontaneous Zwitterionic Copolymerization. <i>Biomacromolecules</i> , 2021, 22, 4794-4804.	2.6	6
8	Graphene quantum dots obstruct the membrane axis of Alzheimer's amyloid beta. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 86-97.	1.3	14
9	Mitigation of Amyloidosis with Nanomaterials. <i>Advanced Materials</i> , 2020, 32, e1901690.	11.1	87
10	Nonionic Water-Soluble and Cytocompatible Poly(amide acrylate)s. <i>Macromolecules</i> , 2020, 53, 693-701.	2.2	9
11	Trisulfide-Bearing PEG Brush Polymers Donate Hydrogen Sulfide and Ameliorate Cellular Oxidative Stress. <i>Biomacromolecules</i> , 2020, 21, 5292-5305.	2.6	8
12	Poly(2-isopropenyl-2-oxazoline) as a structural analogue to poly(vinyl azlactone) with Orthogonal Reactivity. <i>Polymer Chemistry</i> , 2020, 11, 5681-5692.	1.9	14
13	Amyloidosis inhibition, a new frontier of the protein corona. <i>Nano Today</i> , 2020, 35, 100937.	6.2	32
14	pH-Responsive Polymers for Improving the Signal-to-Noise Ratio of Hypoxia PET Imaging with [¹⁸ F]Fluoromisonidazole. <i>Macromolecular Rapid Communications</i> , 2020, 41, 2000061.	2.0	4
15	Tuning Cellular Interactions of Carboxylic Acid-Side-Chain-Containing Polyacrylates: The Role of Cyanine Dye Label and Side-Chain Type. <i>Biomacromolecules</i> , 2020, 21, 3007-3016.	2.6	14
16	Nanosilver Mitigates Biofilm Formation via FapC Amyloidosis Inhibition. <i>Small</i> , 2020, 16, e1906674.	5.2	26
17	pH-Responsive copolymer micelles to enhance itraconazole efficacy against <i>Candida albicans</i> biofilms. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1672-1681.	2.9	26
18	Synthesis of biscarboxylic acid functionalised EDTA mimicking polymers and their ability to form Zr(IV) chelation mediated nanostructures. <i>Polymer Chemistry</i> , 2020, 11, 2799-2810.	1.9	7

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19	Single-Molecular Heteroamyloidosis of Human Islet Amyloid Polypeptide. <i>Nano Letters</i> , 2019, 19, 6535-6546.	4.5	27
20	Amphiphilic surface chemistry of fullerlenols is necessary for inhibiting the amyloid aggregation of alpha-synuclein NACore. <i>Nanoscale</i> , 2019, 11, 11933-11945.	2.8	47
21	Amyloid Self-Assembly of hIAPP8 ²⁰ via the Accumulation of Helical Oligomers, β -Helix to β -Sheet Transition, and Formation of β -Barrel Intermediates. <i>Small</i> , 2019, 15, e1805166.	5.2	49
22	Rapid Assessment of Nanoparticle Extravasation in a Microfluidic Tumor Model. <i>ACS Applied Nano Materials</i> , 2019, 2, 1844-1856.	2.4	36
23	<p>Thiol-Reactive Star Polymers Functionalized with Short Ethoxy-Containing Moieties Exhibit Enhanced Uptake in Acute Lymphoblastic Leukemia Cells</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 9795-9808.	3.3	8
24	Journey to the centre of the cell: Virtual reality immersion into scientific data. <i>Traffic</i> , 2018, 19, 105-110.	1.3	74
25	Recent advances in the delivery of hydrogen sulfide <i>via</i> a macromolecular approach. <i>Polymer Chemistry</i> , 2018, 9, 4431-4439.	1.9	39
26	Thiol-Reactive Star Polymers Display Enhanced Association with Distinct Human Blood Components. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12182-12194.	4.0	24
27	Cofibrillation of Pathogenic and Functional Amyloid Proteins with Gold Nanoparticles against Amyloidogenesis. <i>Biomacromolecules</i> , 2017, 18, 4316-4322.	2.6	50
28	Implications of peptide assemblies in amyloid diseases. <i>Chemical Society Reviews</i> , 2017, 46, 6492-6531.	18.7	262
29	Nitric oxide-sensing actuators for modulating structure in lipid-based liquid crystalline drug delivery systems. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 517-524.	5.0	12
30	Stabilizing Off-pathway Oligomers by Polyphenol Nanoassemblies for IAPP Aggregation Inhibition. <i>Scientific Reports</i> , 2016, 6, 19463.	1.6	104
31	The Pharmacokinetics and Biodistribution of a 64 kDa PolyPEG Star Polymer After Subcutaneous and Pulmonary Administration to Rats. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 293-300.	1.6	17
32	Molecular weight (hydrodynamic volume) dictates the systemic pharmacokinetics and tumour disposition of PolyPEG star polymers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 2099-2108.	1.7	17