Thomas P Davis

List of Publications by Year
in descending order

32 papers	1,152 citations	430874 18 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	1623 citing authors

#	Article	IF	Citations
1	Implications of peptide assemblies in amyloid diseases. Chemical Society Reviews, 2017, 46, 6492-6531.	38.1	262
2	Stabilizing Off-pathway Oligomers by Polyphenol Nanoassemblies for IAPP Aggregation Inhibition. Scientific Reports, 2016, 6, 19463.	3.3	104
3	Mitigation of Amyloidosis with Nanomaterials. Advanced Materials, 2020, 32, e1901690.	21.0	87
4	Journey to the centre of the cell: Virtual reality immersion into scientific data. Traffic, 2018, 19, 105-110.	2.7	74
5	Cofibrillization of Pathogenic and Functional Amyloid Proteins with Gold Nanoparticles against Amyloidogenesis. Biomacromolecules, 2017, 18, 4316-4322.	5.4	50
6	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.	10.0	49
7	Amphiphilic surface chemistry of fullerenols is necessary for inhibiting the amyloid aggregation of alpha-synuclein NACore. Nanoscale, 2019, 11, 11933-11945.	5.6	47
8	Spontaneous formation of Î²-sheet nano-barrels during the early aggregation of Alzheimerâ€™s amyloid beta. Nano Today, 2021, 38, 101125.	11.9	44
9	Recent advances in the delivery of hydrogen sulfide via a macromolecular approach. Polymer Chemistry, 2018, 9, 4431-4439.	3.9	39
10	Rapid Assessment of Nanoparticle Extravasation in a Microfluidic Tumor Model. ACS Applied Nano Materials, 2019, 2, 1844-1856.	5.0	36
11	Stealth nanorods via the aqueous living crystallisation-driven self-assembly of poly(2-oxazoline)s. Chemical Science, 2021, 12, 7350-7360.	7.4	35
12	Amyloidosis inhibition, a new frontier of the protein corona. Nano Today, 2020, 35, 100937.	11.9	32
13	Single-Molecular Heteroamyloidosis of Human Islet Amyloid Polypeptide. Nano Letters, 2019, 19, 6535-6546.	9.1	27
14	Nanosilver Mitigates Biofilm Formation via FapC Amyloidosis Inhibition. Small, 2020, 16, e1906674.	10.0	26
15	pH-Responsive copolymer micelles to enhance itraconazole efficacy against Candida albicans biofilms. Journal of Materials Chemistry B, 2020, 8, 1672-1681.	5.8	26
16	Thiol-Reactive Star Polymers Display Enhanced Association with Distinct Human Blood Components. ACS Applied Materials & Interfaces, 2017, 9, 12182-12194.	8.0	24
17	Ultrasmall Molybdenum Disulfide Quantum Dots Cage Alzheimerâ€™s Amyloid Beta to Restore Membrane Fluidity. ACS Applied Materials & Interfaces, 2021, 13, 29936-29948.	8.0	22
18	A Framework of Paracellular Transport via Nanoparticlesâ€Induced Endothelial Leakiness. Advanced Science, 2021, 8, e2102519.	11.2	22

#	Article	IF	Citations
19	Molecular weight (hydrodynamic volume) dictates the systemic pharmacokinetics and tumour disposition of PolyPEG star polymers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 2099-2108.	3.3	17
20	The Pharmacokinetics and Biodistribution of a 64 kDa PolyPEG Star Polymer After Subcutaneous and Pulmonary Administration to Rats. Journal of Pharmaceutical Sciences, 2016, 105, 293-300.	3.3	17
21	Poly(2-isopropenyl-2-oxazoline) â€“ a structural analogue to poly(vinyl azlactone) with Orthogonal Reactivity. Polymer Chemistry, 2020, 11, 5681-5692.	3.9	14
22	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.	5.4	14
23	Graphene quantum dots obstruct the membrane axis of Alzheimer's amyloid beta. Physical Chemistry Chemical Physics, 2021, 24, 86-97.	2.8	14
24	In vitro and in vivo models for anti-amyloidosis nanomedicines. Nanoscale Horizons, 2021, 6, 95-119.	8.0	13
25	Nitric oxide-sensing actuators for modulating structure in lipid-based liquid crystalline drug delivery systems. Journal of Colloid and Interface Science, 2017, 508, 517-524.	9.4	12
26	Nonionic Water-Soluble and Cytocompatible Poly(amide acrylate)s. Macromolecules, 2020, 53, 693-701.	4.8	9
27	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.	6.7	8
28	Trisulfide-Bearing PEG Brush Polymers Donate Hydrogen Sulfide and Ameliorate Cellular Oxidative Stress. Biomacromolecules, 2020, 21, 5292-5305.	5.4	8
29	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.	3.9	7
30	Intrinsic Green Fluorescent Cross-Linked Poly(ester amide)s by Spontaneous Zwitterionic Copolymerization. Biomacromolecules, 2021, 22, 4794-4804.	5.4	6
31	pHâ€Responsive Polymers for Improving the Signalâ€toâ€Noise Ratio of Hypoxia PET Imaging with [18 F]Fluoromisonidazole. Macromolecular Rapid Communications, 2020, 41, 2000061.	3.9	4
32	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.	5.8	3