

# John M D Storey

## List of Publications by Year in descending order

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66  
papers

3,224  
citations

201575

27  
h-index

161767

54  
g-index

70  
all docs

70  
docs citations

70  
times ranked

2297  
citing authors

#	ARTICLE	IF	CITATIONS
1	Helical phases assembled from achiral molecules: Twist-bend nematic and helical filamentary B4 phases formed by mesogenic dimers. <i>Journal of Molecular Liquids</i> , 2022, 346, 118180.	2.3	11
2	Controlling spontaneous chirality in achiral materials: liquid crystal oligomers and the heliconical twist-bend nematic phase. <i>Chemical Communications</i> , 2022, 58, 5285-5288.	2.2	17
3	Remarkable stabilisation of the intercalated smectic phases of nonsymmetric dimers by <i>tert</i> -butyl groups. <i>Liquid Crystals</i> , 2022, 49, 969-981.	0.9	9
4	New patterns of twist-bend liquid crystal phase behaviour: the synthesis and characterisation of the 1-(4-cyanobiphenyl-4-yl)-10-(4-alkylaniline-benzylidene-4-oxy)decanes (CB10A- <i>m</i> ). <i>Soft Matter</i> , 2022, 18, 4679-4688.	2.2	10
5	Intrinsically chiral ferronematic liquid crystals: An inversion of the helical twist sense at the chiral nematic $\rightarrow$ Chiral ferronematic phase transition. <i>Journal of Molecular Liquids</i> , 2022, 361, 119532.	2.3	30
6	A convenient one-pot synthesis, and characterisation of the <i>ortho</i> -bromo-1-(4-cyanobiphenyl-4-yl) alkanes (CBnBr). <i>Liquid Crystals</i> , 2022, 49, 1706-1716.	0.9	16
7	Understanding the remarkable difference in liquid crystal behaviour between secondary and tertiary amides: the synthesis and characterisation of new benzanilide-based liquid crystal dimers. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12600-12611.	1.3	9
8	Remarkable smectic phase behaviour in odd-membered liquid crystal dimers: the CT6O- <i>m</i> series. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5167-5173.	2.7	30
9	Twist-Bend Nematic Glasses: The Synthesis and Characterisation of Pyrene-based Nonsymmetric Dimers. <i>ChemPhysChem</i> , 2021, 22, 461-470.	1.0	29
10	Photonic Bandgap in Achiral Liquid Crystals – A Twist on a Twist. <i>Advanced Materials</i> , 2021, 33, e2103288.	11.1	18
11	Photo-driven effects in twist-bend nematic phases: Dynamic and memory response of liquid crystalline dimers. <i>Journal of Molecular Liquids</i> , 2021, 344, 117680.	2.3	13
12	Multiple Polar and Non-polar Nematic Phases. <i>ChemPhysChem</i> , 2021, 22, 2506-2510.	1.0	62
13	Combined electric and photocontrol of selective light reflection at an oblique helicoidal cholesteric liquid crystal doped with azoxybenzene derivative. <i>Physical Review E</i> , 2021, 104, 044702.	0.8	13
14	Tau (297-391) forms filaments that structurally mimic the core of paired helical filaments in Alzheimer's disease brain. <i>FEBS Letters</i> , 2020, 594, 944-950.	1.3	56
15	Supramolecular liquid crystals exhibiting a chiral twist-bend nematic phase. <i>Materials Advances</i> , 2020, 1, 1622-1630.	2.6	24
16	Phase transitions in a high magnetic field of an odd, symmetric liquid crystal dimer having two nematic phases, $N$ and $U$ and $N$ and $TB$ , studied by NMR spectroscopy. <i>Physical Review E</i> , 2020, 102, 042706.	0.8	4
17	Liquid crystal dimers and the twist-bend nematic phase: On the role of spacers and terminal alkyl chains. <i>Journal of Molecular Liquids</i> , 2020, 320, 114391.	2.3	29
18	Twist-Bend Nematogenic Supramolecular Dimers and Trimers Formed by Hydrogen Bonding. <i>Crystals</i> , 2020, 10, 175.	1.0	31

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19	Molecular structure and the twist-bend nematic phase: the role of terminal chains. <i>Liquid Crystals</i> , 2020, 47, 1232-1245.	0.9	10
20	Hydrogen bonding and the design of twist-bend nematogens. <i>Journal of Molecular Liquids</i> , 2020, 303, 112630.	2.3	27
21	Concentration-Dependent Activity of Hydromethylthionine on Clinical Decline and Brain Atrophy in a Randomized Controlled Trial in Behavioral Variant Frontotemporal Dementia. <i>Journal of Alzheimer's Disease</i> , 2020, 75, 501-519.	1.2	17
22	Temperature dependence of bend elastic constant in oblique helicoidal cholesterics. <i>Physical Review Research</i> , 2020, 2, .	1.3	13
23	Sulfur-linked cyanobiphenyl-based liquid crystal dimers and the twist-bend nematic phase. <i>Liquid Crystals</i> , 2019, 46, 1595-1609.	0.9	85
24	The Chiral Twist-Bend Nematic Phase ( $N^*_{TB}$ ). <i>Chemistry - A European Journal</i> , 2019, 25, 13329-13335.	1.7	55
25	High-Contrast and Fast Photoreological Switching of a Twist-Bend Nematic Liquid Crystal. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	1
26	Structure-property relationships in azobenzene-based twist-bend nematogens. <i>Liquid Crystals</i> , 2019, 46, 2102-2114.	0.9	39
27	Distinct differences in the nanoscale behaviors of the twist-bend liquid crystal phase of a flexible linear trimer and homologous dimer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10698-10704.	3.3	62
28	Liquid Crystals: Fast and Giant Photoreological Effect in a Liquid Crystal Dimer ( <i>Adv. Mater.</i> )	1.9	1
29	Multi-level chirality in liquid crystals formed by achiral molecules. <i>Nature Communications</i> , 2019, 10, 1922.	5.8	103
30	Molecular curvature, specific intermolecular interactions and the twist-bend nematic phase: the synthesis and characterisation of the 1-(4-cyanobiphenyl-4-yl)-6-(4-alkylanilinebenzylidene-4-oxy)hexanes ( $CB6O_{m/i}$ ). <i>Soft Matter</i> , 2019, 15, 3188-3197.	1.2	78
31	Fast and Giant Photoreological Effect in a Liquid Crystal Dimer. <i>Advanced Materials Interfaces</i> , 2019, 6, 1802032.	1.9	47
32	Augmenting Bragg Reflection with Polymer-sustained Conical Helix. <i>Scientific Reports</i> , 2019, 9, 5468.	1.6	10
33	Spontaneous chirality through mixing achiral components: a twist-bend nematic phase driven by hydrogen-bonding between unlike components. <i>Chemical Communications</i> , 2018, 54, 3383-3386.	2.2	97
34	Cholesteric Metronomes with Flexoelectrically Programmable Amplitude. <i>Advanced Optical Materials</i> , 2018, 6, 1800013.	3.6	6
35	Heliconical smectic phases formed by achiral molecules. <i>Nature Communications</i> , 2018, 9, 228.	5.8	167
36	Critical behavior of the optical birefringence at the nematic to twist-bend nematic phase transition. <i>Physical Review E</i> , 2018, 98, .	0.8	28

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37	The role of a terminal chain in promoting the twist-bend nematic phase: the synthesis and characterisation of the 1-(4-cyanobiphenyl-4-yl)-6-(4-alkyloxyanilinebenzylidene-4-yl)hexanes. <i>Liquid Crystals</i> , 2018, 45, 2341-2351.	0.9	83
38	P&#159: Color Smart Window Based on polymer&#201;sustained Conical Helix of Cholesteric. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 1756-1757.	0.1	1
39	Addendum: Heliconical smectic phases formed by achiral molecules. <i>Nature Communications</i> , 2018, 9, 2856.	5.8	5
40	P&#151: Giant Flexoelectro&#201;ptic Effect with Bimesogen in Vertical Standing Helix. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 1732-1733.	0.1	1
41	P&#151: Fast Flexoelectro&#201;ptic Response of Bimesogen&#201;doped Polymer Stabilized Cholesteric Liquid Crystals in Vertical Standing Helix Mode. <i>Digest of Technical Papers SID International Symposium</i> , 2017, 48, 1849-1852.	0.1	10
42	Formation of periodic zigzag patterns in the twist-bend nematic liquid crystal phase by surface treatment. <i>Liquid Crystals</i> , 2017, , 1-9.	0.9	4
43	Tunable backflow in chiral nematic liquid crystals via twist-bend nematogens and surface-localised in-situ polymer protrusions. <i>Liquid Crystals</i> , 2017, 44, 2327-2336.	0.9	10
44	Potential of Low Dose Leuco-Methylthioninium Bis(Hydromethanesulphonate) (LMTM) Monotherapy for Treatment of Mild Alzheimer&#153;s Disease: Cohort Analysis as Modified Primary Outcome in a Phase III Clinical Trial. <i>Journal of Alzheimer's Disease</i> , 2017, 61, 435-457.	1.2	142
45	A Protein Aggregation Inhibitor, Leuco-Methylthioninium Bis(Hydromethanesulfonate), Decreases $\beta$ -Synuclein Inclusions in a Transgenic Mouse Model of Synucleinopathy. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 447.	1.4	28
46	Understanding the twist-bend nematic phase: the characterisation of 1-(4-cyanobiphenyl-4-yl)-6-(4-cyanobiphenyl-4-yl)hexane (CB6OCB) and comparison with CB7CB. <i>Soft Matter</i> , 2016, 12, 6827-6840.	1.2	173
47	Different N&#168;H...O interactions in two indole derivatives. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 699-703.	0.2	4
48	Weak interactions in the crystal structures of two indole derivatives. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 964-968.	0.2	0
49	Crystal structures of four indole derivatives with a phenyl substituent at the 2-position and a carbonyl group at the 3-position: the C(6) N&#168;H...O chain remains the same, but the weak reinforcing interactions are different. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 363-369.	0.2	1
50	Electrically tunable laser based on oblique heliconical cholesteric liquid crystal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12925-12928.	3.3	132
51	Efficacy and safety of tau-aggregation inhibitor therapy in patients with mild or moderate Alzheimer's disease: a randomised, controlled, double-blind, parallel-arm, phase 3 trial. <i>Lancet</i> , The, 2016, 388, 2873-2884.	6.3	299
52	An FT-IR spectroscopic study of the role of hydrogen bonding in the formation of liquid crystallinity for mixtures containing bipyridines and 4-pentoxybenzoic acid. <i>RSC Advances</i> , 2016, 6, 108164-108179.	1.7	86
53	Magnetically tunable selective reflection of light by heliconical cholesterics. <i>Physical Review E</i> , 2016, 94, 042705.	0.8	64
54	Reversible Isothermal Twist&#201;Bend Nematic&#201;Nematic Phase Transition Driven by the Photoisomerization of an Azobenzene-Based Nonsymmetric Liquid Crystal Dimer. <i>Journal of the American Chemical Society</i> , 2016, 138, 5283-5289.	6.6	159

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55	Investigations into the construction of the pentasubstituted ringCof Neosurugatoxin â€“ a crystallographic study. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 44-48.	0.2	0
56	Liquid Crystals: Electrically Tunable Selective Reflection of Light from Ultraviolet to Visible and Infrared by Heliconical Cholesterics (Adv. Mater. 19/2015). Advanced Materials, 2015, 27, 3013-3013.	11.1	2
57	Tau Aggregation Inhibitor Therapy: An Exploratory Phase 2 Study in Mild or Moderate Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 44, 705-720.	1.2	209
58	Complex Disposition of Methylthioninium Redox Forms Determines Efficacy in Tau Aggregation Inhibitor Therapy for Alzheimerâ€™s Disease. Journal of Pharmacology and Experimental Therapeutics, 2015, 352, 110-118.	1.3	96
59	Electrically Tunable Selective Reflection of Light from Ultraviolet to Visible and Infrared by Heliconical Cholesterics. Advanced Materials, 2015, 27, 3014-3018.	11.1	257
60	Crystal structures of four indole derivatives as possible cannabinoid allosteric antagonists. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 654-659.	0.2	5
61	Syntheses and crystal structures of two N-substituted thio-imidazoles. Journal of Chemical Crystallography, 2006, 36, 277-282.	0.5	12
62	New insights into the liquid crystal behaviour of hydrogen-bonded mixtures provided by temperature-dependent FTIR spectroscopy. Liquid Crystals, 0, , 1-12.	0.9	27
63	Cyanobiphenyl-based liquid crystal dimers and the twist-bend nematic phase. Liquid Crystals, 0, , 1-20.	0.9	44
64	Structureâ€™property relationships in twist-bend nematogens: the influence of terminal groups. Liquid Crystals, 0, , 1-16.	0.9	16
65	Azobenzene-based liquid crystal dimers and the twist-bend nematic phase. Liquid Crystals, 0, , 1-19.	0.9	15
66	Understanding the twist-bend nematic phase: the characterisation of 1-(4-cyanobiphenyl-4-â€™yloxy)-6-(4-cyanobiphenyl-4-â€™yl)hexane (CB6OCB) and comparison with CB7CB. , 0, .		1