John M D Storey

List of Publications by Year
in descending order

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	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. Lancet, The, 2016, 388, 2873-2884.	6.3	299
2	Electrically Tunable Selective Reflection of Light from Ultraviolet to Visible and Infrared by Heliconical Cholesterics. Advanced Materials, 2015, 27, 3014-3018.	11.1	257
3	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
4	Understanding the twist-bend nematic phase: the characterisation of 1-(4-cyanobiphenyl-4â€²-yloxy)-6-(4-cyanobiphenyl-4â€²-yl)hexane (CB6OCB) and comparison with CB7CB. Soft Matter, 2016, 12, 6827-6840.	1.2	173
5	Heliconical smectic phases formed by achiral molecules. Nature Communications, 2018, 9, 228.	5.8	167
6	Reversible Isothermal Twistâ€“Bend Nematicâ€“Nematic Phase Transition Driven by the Photoisomerization of an Azobenzene-Based Nonsymmetric Liquid Crystal Dimer. Journal of the American Chemical Society, 2016, 138, 5283-5289.	6.6	159
7	Potential of Low Dose Leuco-Methylthioninium Bis(Hydromethanesulphonate) (LMTM) Monotherapy for Treatment of Mild Alzheimerâ€™s Disease: Cohort Analysis as Modified Primary Outcome in a Phase III Clinical Trial. Journal of Alzheimer's Disease, 2017, 61, 435-457.	1.2	142
8	Electrically tunable laser based on oblique heliconical cholesteric liquid crystal. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12925-12928.	3.3	132
9	Multi-level chirality in liquid crystals formed by achiral molecules. Nature Communications, 2019, 10, 1922.	5.8	103
10	Spontaneous chirality through mixing achiral components: a twist-bend nematic phase driven by hydrogen-bonding between unlike components. Chemical Communications, 2018, 54, 3383-3386.	2.2	97
11	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
12	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. RSC Advances, 2016, 6, 108164-108179.	1.7	86
13	Sulfur-linked cyanobiphenyl-based liquid crystal dimers and the twist-bend nematic phase. Liquid Crystals, 2019, 46, 1595-1609.	0.9	85
14	The role of a terminal chain in promoting the twist-bend nematic phase: the synthesis and characterisation of the 1-(4-cyanobiphenyl-4â€²-yl)-6-(4-alkyloxyanilinebenzylidene-4â€²-oxy)hexanes. Liquid Crystals, 2018, 45, 2341-2351.	0.9	83
15	Molecular curvature, specific intermolecular interactions and the twist-bend nematic phase: the synthesis and characterisation of the 1-(4-cyanobiphenyl-4â€²-yl)-6-(4-alkylanilinebenzylidene-4â€²-oxy)hexanes (CB6O.m). Soft Matter, 2019, 15, 3188-3197.	1.2	78
16	Magnetically tunable selective reflection of light by heliconical cholesterics. Physical Review E, 2016, 94, 042705.	0.8	64
17	Distinct differences in the nanoscale behaviors of the twistâ€“bend liquid crystal phase of a flexible linear trimer and homologous dimer. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10698-10704.	3.3	62
18	Multiple Polar and Nonâ€polar Nematic Phases. ChemPhysChem, 2021, 22, 2506-2510.	1.0	62

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19	Tau (297â€391) forms filaments that structurally mimic the core of paired helical filaments in Alzheimerâ€™s disease brain. FEBS Letters, 2020, 594, 944-950.	1.3	56
20	The Chiral Twistâ€Bend Nematic Phase (N*_{TB}). Chemistry - A European Journal, 2019, 25, 13329-13335.	1.7	55
21	Fastâ€andâ€Giant Photorheological Effect in a Liquid Crystal Dimer. Advanced Materials Interfaces, 2019, 6, 1802032.	1.9	47
22	Cyanobiphenyl-based liquid crystal dimers and the twist-bend nematic phase. Liquid Crystals, 0, , 1-20.	0.9	44
23	Structure-property relationships in azobenzene-based twist-bend nematogens. Liquid Crystals, 2019, 46, 2102-2114.	0.9	39
24	Twist-Bend Nematogenic Supramolecular Dimers and Trimers Formed by Hydrogen Bonding. Crystals, 2020, 10, 175.	1.0	31
25	Remarkable smectic phase behaviour in odd-membered liquid crystal dimers: the CT6O.m series. Journal of Materials Chemistry C, 2021, 9, 5167-5173.	2.7	30
26	Intrinsically chiral ferronematic liquid crystals: An inversion of the helical twist sense at the chiral nematic â€“ Chiral ferronematic phase transition. Journal of Molecular Liquids, 2022, 361, 119532.	2.3	30
27	Liquid crystal dimers and the twist-bend nematic phase: On the role of spacers and terminal alkyl chains. Journal of Molecular Liquids, 2020, 320, 114391.	2.3	29
28	Twistâ€Bend Nematic Glasses: The Synthesis and Characterisation of Pyreneâ€based Nonsymmetric Dimers. ChemPhysChem, 2021, 22, 461-470.	1.0	29
29	Critical behavior of the optical birefringence at the nematic to twist-bend nematic phase transition. Physical Review E, 2018, 98, .	0.8	28
30	A Protein Aggregation Inhibitor, Leuco-Methylthioninium Bis(Hydromethanesulfonate), Decreases Î±-Synuclein Inclusions in a Transgenic Mouse Model of Synucleinopathy. Frontiers in Molecular Neuroscience, 2017, 10, 447.	1.4	28
31	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
32	Hydrogen bonding and the design of twist-bend nematogens. Journal of Molecular Liquids, 2020, 303, 112630.	2.3	27
33	Supramolecular liquid crystals exhibiting a chiral twist-bend nematic phase. Materials Advances, 2020, 1, 1622-1630.	2.6	24
34	Photonic Bandgap in Achiral Liquid Crystalsâ€”A Twist on a Twist. Advanced Materials, 2021, 33, e2103288.	11.1	18
35	Concentration-Dependent Activity of Hydromethylthionine on Clinical Decline and Brain Atrophy in a Randomized Controlled Trial in Behavioral Variant Frontotemporal Dementia. Journal of Alzheimer's Disease, 2020, 75, 501-519.	1.2	17
36	Controlling spontaneous chirality in achiral materials: liquid crystal oligomers and the heliconical twist-bend nematic phase. Chemical Communications, 2022, 58, 5285-5288.	2.2	17

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37	Structureâ€“property relationships in twist-bend nematogens: the influence of terminal groups. Liquid Crystals, 0, , 1-16.	0.9	16
38	A convenient one-pot synthesis, and characterisation of the Ï‰-bromo-1-(4-cyanobiphenyl-4â€™-yl) alkanes (CBnBr). Liquid Crystals, 2022, 49, 1706-1716.	0.9	16
39	Azobenzene-based liquid crystal dimers and the twist-bend nematic phase. Liquid Crystals, 0, , 1-19.	0.9	15
40	Photo-driven effects in twist-bend nematic phases: Dynamic and memory response of liquid crystalline dimers. Journal of Molecular Liquids, 2021, 344, 117680.	2.3	13
41	Temperature dependence of bend elastic constant in oblique helicoidal cholesterics. Physical Review Research, 2020, 2, .	1.3	13
42	Combined electric and photocontrol of selective light reflection at an oblique helicoidal cholesteric liquid crystal doped with azoxybenzene derivative. Physical Review E, 2021, 104, 044702.	0.8	13
43	Syntheses and crystal structures of two N-substituted thio-imidazoles. Journal of Chemical Crystallography, 2006, 36, 277-282.	0.5	12
44	Helical phases assembled from achiral molecules: Twist-bend nematic and helical filamentary B4 phases formed by mesogenic dimers. Journal of Molecular Liquids, 2022, 346, 118180.	2.3	11
45	Pâ€151: Fast Flexoelectroâ€optic Response of Bimesogenâ€doped Polymer Stabilized Cholesteric Liquid Crystals in Vertical Standing Helix Mode. Digest of Technical Papers SID International Symposium, 2017, 48, 1849-1852.	0.1	10
46	Tunable backflow in chiral nematic liquid crystals via twist-bend nematogens and surface-localised in-situ polymer protrusions. Liquid Crystals, 2017, 44, 2327-2336.	0.9	10
47	Augmenting Bragg Reflection with Polymer-sustained Conical Helix. Scientific Reports, 2019, 9, 5468.	1.6	10
48	Molecular structure and the twist-bend nematic phase: the role of terminal chains. Liquid Crystals, 2020, 47, 1232-1245.	0.9	10
49	New patterns of twist-bend liquid crystal phase behaviour: the synthesis and characterisation of the 1-(4-cyanobiphenyl-4â€²-yl)-10-(4-alkylaniline-benzylidene-4â€²-oxy)decanes (CB10OÂ·m). Soft Matter, 2022, 18, 4679-4688.	2.2	10
50	Understanding the remarkable difference in liquid crystal behaviour between secondary and tertiary amides: the synthesis and characterisation of new benzanilide-based liquid crystal dimers. Physical Chemistry Chemical Physics, 2021, 23, 12600-12611.	1.3	9
51	Remarkable stabilisation of the intercalated smectic phases of nonsymmetric dimers by tert-butyl groups. Liquid Crystals, 2022, 49, 969-981.	0.9	9
52	Cholesteric Metronomes with Flexoelectrically Programmable Amplitude. Advanced Optical Materials, 2018, 6, 1800013.	3.6	6
53	Crystal structures of four indole derivatives as possible cannabinoid allosteric antagonists. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 654-659.	0.2	5
54	Addendum: Heliconical smectic phases formed by achiral molecules. Nature Communications, 2018, 9, 2856.	5.8	5

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55	Different Nâ€”H...Ïâ€ interactions in two indole derivatives. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 699-703.	0.2	4
56	Formation of periodic zigzag patterns in the twist-bend nematic liquid crystal phase by surface treatment. Liquid Crystals, 2017, , 1-9.	0.9	4
57	Phase transitions in a high magnetic field of an odd, symmetric liquid crystal dimer having two nematic phases, <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>N</mml:mi><mml:mi mathvariant="normal">U</mml:mi></mml:msub></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>N</mml:mi><mml:mi>TB</mml:mi></mml:msub></mml:math>, studied by NMR spectroscopy. Physical Review E, 2020, 102, 042706.	0.8	4
58	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
59	Crystal structures of four indole derivatives with a phenyl substituent at the 2-position and a carbonyl group at the 3-position: theC(6) Nâ€”H...O chain remains the same, but the weak reinforcing interactions are different. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 363-369.	0.2	1
60	Pâ€159: Color Smart Window Based on polymerâ€sustained Conical Helix of Cholesteric. Digest of Technical Papers SID International Symposium, 2018, 49, 1756-1757.	0.1	1
61	Pâ€151: Giant Flexoelectroâ€Optic Effect with Bimesogen in Vertical Standing Helix. Digest of Technical Papers SID International Symposium, 2018, 49, 1732-1733.	0.1	1
62	High-Contrast and Fast Photorheological Switching of a Twist-Bend Nematic Liquid Crystal. Journal of Visualized Experiments, 2019, , .	0.2	1
63	Liquid Crystals: Fastâ€andâ€Giant Photorheological Effect in a Liquid Crystal Dimer (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	1
64	Understanding the twist-bend nematic phase: the characterisation of 1-(4-cyanobiphenyl-4â€²-yloxy)-6-(4-cyanobiphenyl-4â€²-yl)hexane (CB6OCB) and comparison with CB7CB. , 0, .		1
65	Weak interactions in the crystal structures of two indole derivatives. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 964-968.	0.2	0
66	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