

Alexander J Seed

List of Publications by Year in descending order

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40
papers

1,008
citations

567281

15
h-index

434195

31
g-index

43
all docs

43
docs citations

43
times ranked

680
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of self-organizing mesogenic materials containing a sulfur-based five-membered heterocyclic core. <i>Chemical Society Reviews</i> , 2007, 36, 2046.	38.1	167
2	Synthesis of 2-Alkoxy-Substituted Thiophenes, 1,3-Thiazoles, and Related S-Heterocycles via Lawesson's Reagent-Mediated Cyclization under Microwave Irradiation: Applications for Liquid Crystal Synthesis. <i>Journal of Organic Chemistry</i> , 2001, 66, 7925-7929.	3.2	132
3	Synthesis, transition temperatures, and optical properties of various 2,6-disubstituted naphthalenes and related 1-benzothiophenes with butylsulfanyl and cyano or isothiocyanato terminal groups. <i>Journal of Materials Chemistry</i> , 2000, 10, 2069-2080.	6.7	88
4	Synthesis, optical anisotropies, polarisabilities and order parameters of 4-cyanophenyl and 4-isothiocyanatophenyl 4-butylsulfanylbenzoates with oxygen and sulfur substitution in the ester linkage. <i>Journal of Materials Chemistry</i> , 1995, 5, 1-11.	6.7	60
5	Synthesis of some 2,4- and 2,5-disubstituted thiophene systems and the effect of the pattern of substitution on the refractive indices, optical anisotropies, polarisabilities and order parameters in comparison with those of the parent biphenyl and dithienyl systems. <i>Journal of Materials Chemistry</i> , 1995, 5, 653.	6.7	57
6	Synthesis, transition temperatures and optical anisotropy of some isothiocyanato-substituted biphenyls. <i>Journal of Materials Chemistry</i> , 1993, 3, 851.	6.7	48
7	Synthesis, transition temperatures, and optical properties of compounds with simple phenyl units linked by double bond, triple bond, ester or propiolate linkages. <i>Journal of Materials Chemistry</i> , 2000, 10, 1555-1563.	6.7	46
8	Ring fluorinated thiophenes: applications to liquid crystal synthesis. <i>Tetrahedron Letters</i> , 2001, 42, 8797-8800.	1.4	43
9	Synthesis and mesomorphic properties of 1,1-difluoroalkyl-substituted biphenylthienyl and terphenyl liquid crystals. A comparative study of mesomorphic behavior relative to alkyl, alkoxy and alkanoyl analogs. Electronic supplementary information (ESI) available: experimental details for compounds 4, 9, 10, 12, 15, 19, 25, 39, 45 and 49. See http://www.rsc.org/suppdata/jm/b1/b102059p . <i>Journal of Materials Chemistry</i> , 2001, 11, 3068-3077.	6.7	36
10	Novel, highly polarizable thiophene derivatives for use in nonlinear optical applications. <i>Liquid Crystals</i> , 2003, 30, 1089-1107.	2.2	35
11	Troublesome Alkoxythiophenes. A Highly Efficient Synthesis via Cyclization of β -Keto Esters. <i>Journal of Organic Chemistry</i> , 2001, 66, 7283-7286.	3.2	32
12	New bent core mesogens with exceptionally high clearing points. <i>Liquid Crystals</i> , 2002, 29, 945-950.	2.2	25
13	1,3,4-Thiadiazole-2-carboxylate esters: new synthetic methodology for the preparation of an elusive family of self-organizing materials. <i>Journal of Materials Chemistry</i> , 2007, 17, 3406.	6.7	19
14	A New High Twisting Power Material for Use as a Single Asymmetric Dopant in Cholesteric Displays with a Temperature Independence of the Helical Twisting Power. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 410, 201-208.	0.9	16
15	Synthesis and Physical Properties of Thioester Liquid Crystals that Exhibit an Anti-Ferro-Anti Phase Sequencing. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 365, 171-179.	0.3	15
16	A new synthesis of alkylsulphanylnaphthalenes and the synthesis and mesomorphic properties of novel naphthylisothiocyanates. <i>Liquid Crystals</i> , 2009, 36, 329-338.	2.2	15
17	Novel 5-(4-alkoxyphenyl)thieno[3,2- <i>b</i>]thiophene-2-carboxylate esters: Highly efficient synthesis and mesogenic evaluation of a new class of materials exhibiting the smectic C phase. <i>Liquid Crystals</i> , 2012, 39, 515-530.	2.2	15
18	Synthesis and mesomorphic behaviour of high polarisability materials for non-linear optical applications. <i>Liquid Crystals</i> , 2012, 39, 403-414.	2.2	15

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19	Rapid Photoactivated Generation of Nitroxyl (HNO) under Neutral pH Conditions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13229-13232.	13.8	14
20	An experimental and theoretical investigation into the reflection spectra of SmC* and SmCA* phases. <i>Journal of Materials Chemistry</i> , 2003, 13, 353-359.	6.7	12
21	The synthesis and mesogenic behaviour of the first series of low molar mass thieno[3,2-b]thiophene-2-carboxylate ester-based mesogens. <i>Liquid Crystals</i> , 2009, 37, 101-108.	2.2	11
22	Convenient Preparation of Halo-1,3-thiazoles: Important Building Blocks for Materials and Pharmaceutical Synthesis. <i>Synthesis</i> , 2012, 44, 1026-1029.	2.3	11
23	Preparation of Brominated 2-Alkoxythiophenes via Oxidation and Etherification of 2-Thienyltrifluoroborate Salts. <i>Organic Letters</i> , 2012, 14, 5058-5061.	4.6	11
24	2-Alkoxy-1,3-thiazoles: A new core unit for incorporation into self-organising materials. Synthetic approach, mesomorphism, and electrooptic evaluation. <i>Liquid Crystals</i> , 2012, 39, 1175-1195.	2.2	10
25	Synthesis and HNO Donating Properties of the Piloty's Acid Analogue Trifluoromethanesulphonylhydroxamic Acid: Evidence for Quantitative Release of HNO at Neutral pH Conditions. <i>Chemistry - A European Journal</i> , 2018, 24, 7330-7334.	3.3	10
26	Preliminary communication: The synthesis of new mesogenic 1,3,4-thiadiazole-2-carboxylate esters via a novel ring closure. <i>Liquid Crystals Today</i> , 2005, 14, 15-18.	2.3	9
27	Stoichiometric Nitroxyl Photorelease Using the (6-Hydroxy-2-naphthalenyl)methyl Phototrigger. <i>Organic Letters</i> , 2019, 21, 1054-1057.	4.6	7
28	Synthesis, Stability and Mesomorphic Behavior of a Liquid Crystal containing a CF ₂ Unit Adjacent to a Thiophene Ring. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 328, 237-244.	0.3	6
29	The Synthesis and Mesomorphic Properties of Some Novel Antiferroelectric Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 365, 213-220.	0.3	6
30	Development of Photoactivatable Nitroxyl (HNO) Donors Incorporating the (3-Hydroxy-2-naphthalenyl)methyl Phototrigger. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1745-1755.	2.4	6
31	synthesis, phase transitions and optical properties of novel tetrathiafulvalene derivatives with extremely high molecular polarizabilities. <i>Liquid Crystals</i> , 2001, 28, 1047-1055.	2.2	5
32	Troublesome Alkoxythiophenes-Mesomorphic Behavior and Highly Efficient Synthesis. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 365, 181-188.	0.3	5
33	The synthesis and physical evaluation of 5-alkoxy-1,3-thiazoles prepared via Lawesson's reagent-mediated cyclisation of β -benzamido esters. <i>Liquid Crystals</i> , 2009, 36, 443-453.	2.2	5
34	Synthesis and photochemical studies of 2-nitrobenzyl-caged N-hydroxysulfonamides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 384, 112033.	3.9	4
35	Mechanistic Insights into Rapid Generation of Nitroxyl from a Photocaged <i>N</i> -Hydroxysulfonamide Incorporating the (6-Hydroxynaphthalen-2-yl)methyl Chromophore. <i>Journal of Organic Chemistry</i> , 2021, 86, 8056-8068.	3.2	4
36	A review of self-organising 2,5- and 2,4-disubstituted 1,3-thiazole-containing materials: synthesis, mechanisms and tactics. <i>Liquid Crystals</i> , 2017, , 1-17.	2.2	3

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37	Rapid Photoactivated Generation of Nitroxyl (HNO) under Neutral pH Conditions. <i>Angewandte Chemie</i> , 2016, 128, 13423-13426.	2.0	2
38	Low molar mass thieno[3,2- <i>b</i>] and thieno[2,3- <i>b</i>]thiophenes in liquid crystal materials science: recent synthetic approaches. <i>Liquid Crystals</i> , 0, , 1-10.	2.2	1
39	Frontispiece: Synthesis and HNO Donating Properties of the Piloty's Acid Analogue Trifluoromethanesulphonylhydroxamic Acid: Evidence for Quantitative Release of HNO at Neutral pH Conditions. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
40	Exploring the Potential of 2-(2-Nitrophenyl)ethyl-Caged N-Hydroxysulfonamides for the Photoactivated Release of Nitroxyl (HNO). <i>Journal of Organic Chemistry</i> , 2021, 86, 16448-16463.	3.2	0