

Teresa Sierra

List of Publications by Year in descending order

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109
papers

3,426
citations

117625

34
h-index

168389

53
g-index

117
all docs

117
docs citations

117
times ranked

2925
citing authors

#	ARTICLE	IF	CITATIONS
1	A ferroelectric liquid crystal dimer: Synthesis and properties. <i>Advanced Materials</i> , 1992, 4, 285-287.	21.0	169
2	Twists in mesomorphic columnar supramolecular assemblies. <i>Chemical Society Reviews</i> , 2009, 38, 781.	38.1	127
3	Helical supramolecular organizations from metal-organic liquid crystals. <i>Coordination Chemistry Reviews</i> , 2003, 242, 73-85.	18.8	111
4	Propeller-like Hydrogen-Bonded Banana-Melamine Complexes Inducing Helical Supramolecular Organizations. <i>Journal of the American Chemical Society</i> , 2006, 128, 4487-4492.	13.7	110
5	Light-Driven Supramolecular Chirality in Propeller-Like Hydrogen-Bonded Complexes That Show Columnar Mesomorphism. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1873-1877.	13.8	106
6	Long-Range Chiral Induction in Chemical Systems with Helical Organization. Promesogenic Monomers in the Formation of Poly(isocyanide)s and in the Organization of Liquid Crystals. <i>Journal of the American Chemical Society</i> , 1998, 120, 9126-9134.	13.7	105
7	Tris(triazolyl)triazine via Click-Chemistry: A C_3 Electron-Deficient Core with Liquid Crystalline and Luminescent Properties. <i>Organic Letters</i> , 2010, 12, 1404-1407.	4.6	90
8	Switchable Columnar Metallomesogens. New Helical Self-Assembling Systems. <i>Journal of the American Chemical Society</i> , 1998, 120, 2908-2918.	13.7	85
9	Supramolecular Helical Stacking of Metallomesogens Derived from Enantiopure and Racemic Polycatenar Oxazolines. <i>Journal of the American Chemical Society</i> , 2003, 125, 4527-4533.	13.7	85
10	Amphiphilic dendritic derivatives as nanocarriers for the targeted delivery of antimalarial drugs. <i>Biomaterials</i> , 2014, 35, 7940-7950.	11.4	81
11	Functional star-shaped tris(triazolyl)triazines: columnar liquid crystal, fluorescent, solvatofluorochromic and electrochemical properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 7797.	6.7	79
12	Nanostructured liquid-crystalline particles for drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 547-564.	5.0	70
13	H-Bonded Donor-Acceptor Units Segregated in Coaxial Columnar Assemblies: Toward High Mobility Ambipolar Organic Semiconductors. <i>Journal of the American Chemical Society</i> , 2016, 138, 12511-12518.	13.7	68
14	Switchable Columnar Metallomesogens. <i>Chemistry - A European Journal</i> , 2000, 6, 759-766.	3.3	65
15	Supramolecular Helical Mesomorphic Polymers. Chiral Induction through H-Bonding. <i>Journal of the American Chemical Society</i> , 2005, 127, 458-464.	13.7	64
16	Structural Study on Columnar Mesophases Consisting of H-Bonded Supramolecules. <i>Chemistry of Materials</i> , 2004, 16, 3308-3317.	6.7	58
17	Chiral Promesogenic Monomers Inducing One-Handed, Helical Conformations in Synthetic Polymers. <i>Journal of the American Chemical Society</i> , 1996, 118, 4703-4704.	13.7	56
18	Paramagnetic Chiral Smectic C Materials: A New Class of Ferroelectric Liquid Crystals. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1471-1472.	4.4	54

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19	Design and synthesis of ferroelectric liquid crystals. 15. ¹ FLC materials for nonlinear optics applications. <i>Ferroelectrics</i> , 1991, 121, 247-257.	0.6	53
20	Long-range effects of chirality in aromatic poly(isocyanide)s. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3161-3174.	2.3	51
21	Improving FLC Properties. Simplicity, Planarity, and Rigidity in New Chiral Oxazoline Derivatives. <i>Journal of the American Chemical Society</i> , 1995, 117, 8312-8321.	13.7	50
22	Luminescent columnar liquid crystals generated by self-assembly of 1,3,4-oxadiazole derivatives. <i>Journal of Materials Chemistry</i> , 2011, 21, 5916.	6.7	48
23	Control of Self-Assembly of a 3-Hexen-1,5-diyne Derivative: Toward Soft Materials with an Aggregation-Induced Enhancement in Emission. <i>Journal of the American Chemical Society</i> , 2011, 133, 8110-8113.	13.7	46
24	Orthogonal Action of Noncovalent Interactions for Photoresponsive Chiral Columnar Assemblies. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4910-4914.	13.8	45
25	Synthesis and study of new .alpha.-haloacid ferroelectric liquid crystal derivatives. MM2 approach to the molecular structure-ferroelectric activity relationship. <i>Journal of the American Chemical Society</i> , 1992, 114, 7645-7651.	13.7	44
26	Ferroelectric Liquid Crystals for Nonlinear Optics:Â Orientation of the Disperse Red 1 Chromophore along the Ferroelectric Liquid Crystal Polar Axisâ€. <i>Journal of the American Chemical Society</i> , 1996, 118, 1211-1212.	13.7	44
27	Chiral photochemical induction in liquid crystals. <i>Journal of Materials Chemistry</i> , 2008, 18, 2899.	6.7	44
28	Ferroelectric Behavior of Chiral Bis(salicylideneaniline) Copper(II), Vanadium(IV), and Palladium(II) Liquid Crystals. <i>Chemistry of Materials</i> , 1996, 8, 2611-2617.	6.7	43
29	Ferroelectric metallomesogenic palladium(II) complexes derived from bidentate Schiff bases. <i>Chemistry of Materials</i> , 1993, 5, 1332-1337.	6.7	42
30	FLCs with a five-membered ring in the mesogenic core. <i>Liquid Crystals</i> , 1997, 22, 37-46.	2.2	40
31	Self-organization of star-shaped columnar liquid crystals with a coaxial nanophase segregation revealed by a combined experimental and simulation approach. <i>Chemical Communications</i> , 2015, 51, 1811-1814.	4.1	39
32	Supramolecular Columnar Liquid Crystals Formed by Hydrogen Bonding between a Clicked Starâ€Shaped <i>Triazine</i> and Benzoic Acids. <i>Chemistry - A European Journal</i> , 2015, 21, 8859-8866.	3.3	37
33	Self-assembling amphiphilic Janus dendrimers: mesomorphic properties and aggregation in water. <i>New Journal of Chemistry</i> , 2015, 39, 1960-1967.	2.8	37
34	Promising nanomaterials in the fight against malaria. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9428-9448.	5.8	37
35	Micelle carriers based on dendritic macromolecules containing bis-MPA and glycine for antimalarial drug delivery. <i>Biomaterials Science</i> , 2019, 7, 1661-1674.	5.4	36
36	Beyond liquid crystals: new research trends for mesogenic molecules in liquids. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14454-14470.	5.5	36

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37	Supramolecular chirality of columnar mesophases consisting of H-bonded complexes of melamine and polycatenar benzoic acids. <i>Journal of Materials Chemistry</i> , 2006, 16, 3768-3773.	6.7	35
38	A columnar liquid crystal with permanent polar order. <i>Journal of Materials Chemistry C</i> , 2015, 3, 985-989.	5.5	33
39	The ferroelectric nematic phase: an optimum liquid crystal candidate for nonlinear optics. <i>Liquid Crystals</i> , 2022, 49, 899-906.	2.2	33
40	Structure-activity studies of ferroelectric and antiferroelectric imine ligands and their square-planar complexes. <i>Liquid Crystals</i> , 2004, 31, 1293-1303.	2.2	32
41	Liquid crystal organization of self-assembling cyclic peptides. <i>Chemical Communications</i> , 2014, 50, 688-690.	4.1	32
42	Structure-activity studies of ferroelectric and antiferroelectric imine ligands and their palladium(ii) complexes. An antiferroelectric metallomesogen. <i>Journal of Materials Chemistry</i> , 2004, 14, 1117-1127.	6.7	29
43	Polar Switching in a Lyotropic Columnar Nematic Liquid Crystal Made of Bowl-shaped Molecules. <i>Advanced Materials</i> , 2015, 27, 4280-4284.	21.0	29
44	The first discotic liquid crystal with a tetrathiafulvalene central core. <i>Tetrahedron</i> , 1998, 54, 3895-3912.	1.9	28
45	Strict Steric Requirements for the Formation of Helical Mesophases Consisting of H-Bonded Supramolecules. <i>Chemistry of Materials</i> , 2005, 17, 3763-3771.	6.7	27
46	Chiral teleinduction in the polymerization of isocyanides. <i>Polymer</i> , 2005, 46, 1507-1521.	3.8	26
47	Side-chain supramolecular polymers with induced supramolecular chirality through H-bonding interactions. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5528-5541.	2.3	26
48	Nanostructures based on ammonium-terminated amphiphilic Janus dendrimers as camptothecin carriers with antiviral activity. <i>European Polymer Journal</i> , 2017, 90, 136-149.	5.4	26
49	Synthesis and liquid crystal behaviour of tetrathiafulvalenes containing cyanobiphenyloxy groups. <i>Journal of Materials Chemistry</i> , 1998, 8, 881-887.	6.7	25
50	H-bonded complexes containing 1,3,4-oxadiazole derivatives: mesomorphic behaviour, photophysical properties and chiral photoinduction. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7029.	5.5	25
51	Synthesis, Properties, and Polymerization of New Liquid Crystalline Monomers for Highly Ordered Guest-Host Systems. <i>Chemistry of Materials</i> , 2008, 20, 6076-6086.	6.7	24
52	Shell Cross-Linked Polymeric Micelles as Camptothecin Nanocarriers for Anti-HCV Therapy. <i>Macromolecular Bioscience</i> , 2015, 15, 1381-1391.	4.1	23
53	Insight into the supramolecular organization of columnar assemblies with phototunable chirality. <i>Journal of Materials Chemistry</i> , 2012, 22, 18025.	6.7	22
54	Chiral hexacatenar metallomesogens: supramolecular organization versus steric demand of chiral cores. <i>Journal of Materials Chemistry</i> , 2002, 12, 1342-1350.	6.7	21

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55	(S)-leucine and (R)-octanol as chiral precursors of new chiral liquid crystalline thiadiazoles: synthesis, mesomorphic and ferroelectric properties. <i>Liquid Crystals</i> , 2006, 33, 739-745.	2.2	21
56	New chiral Schiff's bases with a 1,3,4-thiadiazole ring in the mesogenic core: synthesis, mesomorphic and ferroelectric properties. <i>Liquid Crystals</i> , 2005, 32, 457-462.	2.2	20
57	NMR Spectroscopic Study of the Self-Aggregation of 3-Hexenyl-1,5-Diynyl Derivatives. <i>Chemistry - A European Journal</i> , 2013, 19, 10271-10279.	3.3	20
58	Dielectric behaviour of the relaxational modes in a ferroelectric liquid crystal. <i>Liquid Crystals</i> , 1991, 10, 849-860.	2.2	19
59	Synthesis and study of .beta.-chlorhydrine and .alpha.-chloroacid ferroelectric liquid-crystal derivatives. <i>Chemistry of Materials</i> , 1991, 3, 157-163.	6.7	18
60	EPR study of a chiral metallomesogen: Bis{N-[4-((2S)-2-chloropropoxy)phenyl], 4-(4-n-)} Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 542	21.0	18
61	Molecular and collective modes in ferroelectric liquid crystals studied by dielectric spectroscopy. <i>Liquid Crystals</i> , 1997, 23, 275-283.	2.2	18
62	Chiral linear isocyanide palladium(ii) and gold(i) complexes as ferroelectric liquid crystals. <i>Journal of Materials Chemistry</i> , 1999, 9, 2301-2305.	6.7	18
63	Study of the Photoinduced Supramolecular Chirality in Columnar Liquid Crystals by Infrared and VCD Spectroscopies. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5090-5096.	2.6	18
64	Ferroelectric dimeric liquid crystals with a chiral flexible spacer. <i>Chemistry of Materials</i> , 1992, 4, 331-338.	6.7	17
65	Self-assembly modulation in ionic PAMAM derivatives. <i>Soft Matter</i> , 2014, 10, 281-289.	2.7	17
66	Multifunctional Supramolecular Dendrimers with an <i>s</i> -Triazine Ring as the Central Core: Liquid Crystalline, Fluorescence and Photoconductive Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 10027-10037.	3.3	17
67	DNA Transfection to Mesenchymal Stem Cells Using a Novel Type of Pseudodendrimer Based on 2,2-Bis(hydroxymethyl)propionic Acid. <i>Bioconjugate Chemistry</i> , 2017, 28, 1135-1150.	3.6	15
68	Self-Assembling Hybrid Linear-Dendritic Block Copolymers: The Design of Nano-Carriers for Lipophilic Antitumoral Drugs. <i>Nanomaterials</i> , 2019, 9, 161.	4.1	15
69	Rigid Chiral Building Blocks for Copper(II)- and Palladium(II)-Containing Liquid Crystals. <i>Chemistry of Materials</i> , 2001, 13, 4374-4381.	6.7	14
70	Nanoobjects formed by ionic PAMAM dendrimers: hydrophilic/lipophilic modulation and encapsulation properties. <i>Soft Matter</i> , 2015, 11, 6009-6017.	2.7	13
71	Cationic poly(ester amide) dendrimers: alluring materials for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3956-3968.	5.8	13
72	Dielectric study of the tilted columnar mesophase in three new chiral metallorganic discotic mesogens. <i>Liquid Crystals</i> , 1998, 25, 481-485.	2.2	12

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73	Low and High Frequency Relaxations of a Ferroelectric Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 259, 1-12.	0.3	11
74	A linear conjugated core for functional columnar liquid crystals. <i>New Journal of Chemistry</i> , 2012, 36, 830.	2.8	11
75	Bent-core luminescent and electroactive bis(triazolyl)triazines with compact columnar mesomorphism. <i>RSC Advances</i> , 2014, 4, 23554.	3.6	11
76	New Ionic bisâ€MPA and PAMAM Dendrimers: A Study of Their Biocompatibility and DNAâ€™Complexation. <i>Macromolecular Bioscience</i> , 2015, 15, 657-667.	4.1	11
77	Tetrathiafulvalene-containing liquid crystals. <i>Synthetic Metals</i> , 1997, 86, 1869-1870.	3.9	10
78	Wide temperature range mesomorphic behaviour of highly fluorinated 15â€™membered macrocycles and their open trisulphonamide precursor. <i>Liquid Crystals</i> , 2007, 34, 235-240.	2.2	10
79	Combination Chemotherapy with Cisplatin and Chloroquine: Effect of Encapsulation in Micelles Formed by Self-Assembling Hybrid Dendriticâ€™Linearâ€™Dendritic Block Copolymers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5223.	4.1	10
80	New dimeric liquid crystals with chiral flexible spacers. <i>Liquid Crystals</i> , 1989, 5, 1775-1782.	2.2	9
81	Insight into the mesogenic character of 15-membered triolefinic azamacrocycles, and their diolefinic open precursors and Pd(0) complexes. <i>Journal of Materials Chemistry</i> , 2005, 15, 2210.	6.7	9
82	Chiral amplification of disodium cromoglycate chromonics induced by a codeine derivative. <i>Soft Matter</i> , 2017, 13, 6810-6815.	2.7	9
83	Inspecting the Electronic Architecture and Semiconducting Properties of a Rosetteâ€™Like Supramolecular Columnar Liquid Crystal. <i>Chemistry - A European Journal</i> , 2018, 24, 17459-17463.	3.3	8
84	Repurposing Heparin as Antimalarial: Evaluation of Multiple Modifications Toward In Vivo Application. <i>Pharmaceutics</i> , 2020, 12, 825.	4.5	8
85	Photoinduction and Control of the Supramolecular Chirality in Liquid Crystalline Azomaterials. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 489, 105/[431]-118/[444].	0.9	7
86	Supermolecular Columnar Liquidâ€™Crystalline Phosphorus Dendrimers Decorated with Sulfonamide Derivatives. <i>Chemistry - A European Journal</i> , 2014, 20, 17047-17058.	3.3	7
87	Triphenylamine- and triazine-containing hydrogen bonded complexes: liquid crystalline supramolecular semiconductors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1972-1982.	5.5	7
88	A New Method for High Accuracy Tilt Angle Measurements in Ferroelectric Liquid Crystals. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1987, 150, 257-263.	0.3	6
89	.beta.-Chlorohydrins vs .alpha.-chloroacids as chiral tails for ferroelectric liquid crystals. MM2 approach. 2. <i>Chemistry of Materials</i> , 1993, 5, 938-942.	6.7	6
90	Design and synthesis of ferroelectric liquid crystals. 22. side-by-side dimers for nonlinear optics. <i>Ferroelectrics</i> , 1996, 179, 211-220.	0.6	6

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91	Determination of the self-association and inter-association equilibrium constants of a carboxylic acid and its mixtures with pyridine derivates. <i>Vibrational Spectroscopy</i> , 2006, 41, 21-27.	2.2	6
92	Paramagnetische S _{C*} -Materialien: eine neue Klasse ferroelektrischer Flüssigkristalle. <i>Angewandte Chemie</i> , 1992, 104, 1523-1524.	2.0	5
93	A Facile Method to Determine the Absolute Structure of Achiral Molecules: Supramolecular Tilt Structures. <i>Chemistry - A European Journal</i> , 2013, 19, 6044-6051.	3.3	5
94	Manipulation of Supramolecular Columnar Structures of H-Bonded Donor-Acceptor Units through Geometrical Nanoconfinement. <i>ChemPhysChem</i> , 2019, 20, 890-897.	2.1	5
95	Janus Dendrimers to Assess the Anti-HCV Activity of Molecules in Cell-Assays. <i>Pharmaceutics</i> , 2020, 12, 1062.	4.5	5
96	On the Structure and Chiral Aggregation of Liquid Crystalline Star-Shaped Triazines H-Bonded to Benzoic Acids. <i>Chemistry - A European Journal</i> , 2020, 26, 15313-15322.	3.3	5
97	Switchable smectic C* main chain liquid crystalline polymers. <i>Advanced Materials</i> , 1996, 8, 752-756.	21.0	4
98	Polar Groups and Arylsulfonamides: A Good Combination with which to Obtain Supramolecular Columnar Liquid Crystals. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5331-5340.	2.4	4
99	On-Surface Crystallization Behaviors of H-Bond Donor-Acceptor Complexes at Liquid/Solid Interfaces. <i>Langmuir</i> , 2019, 35, 8935-8942.	3.5	4
100	Fluorescence Liquid Biopsy for Cancer Detection Is Improved by Using Cationic Dendronized Hyperbranched Polymer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6501.	4.1	4
101	Dielectric behaviour of a new Sm* ferroelectric liquid crystal 2-hydroxy-4-decyloxybenzyliden-4- ² -amino 1-carboethoxyethyl cinnamate. <i>Ferroelectrics</i> , 1989, 92, 325-333.	0.6	3
102	Taking chiral induction into the nanometre regime: chiral teleinduction in the synthesis of poly(isocyanide)s. <i>Mendeleev Communications</i> , 2004, 14, 256-257.	1.6	3
103	Dendron-functionalised hyperbranched bis-MPA polyesters as efficient non-viral vectors for gene therapy in different cell lines. <i>Biomaterials Science</i> , 2022, 10, 2706-2719.	5.4	3
104	Chiral Mesogenic Compounds: Carbocyclic and Heterocyclic Schiff Bases. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1989, 170, 151-157.	0.3	2
105	Ferroelectric Liquid Crystals for Nonlinear Optics: can we Really do It?. <i>Materials Research Society Symposia Proceedings</i> , 1995, 392, 157.	0.1	2
106	Self-Assembly of Clicked Star-Shaped Triazines into Functional Nanostructures. <i>ChemNanoMat</i> , 2019, 5, 130-137.	2.8	2
107	Low Molecular Weight Calamitic Metallomesogens. , 0, , 43-129.		1
108	The first semifluorinated liquid crystalline tetrathiafulvalene. <i>Synthetic Metals</i> , 1999, 102, 1637.	3.9	0

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109	Low Molecular Weight Lyotropic Metallomesogens. , 0, , 29-42.		0