

Santanu Kumar Pal

List of Publications by Citations

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138
papers

2,521
citations

27
h-index

42
g-index

153
ext. papers

2,906
ext. citations

4.4
avg, IF

5.56
L-index

#	Paper	IF	Citations
138	Novel conducting nanocomposites: synthesis of triphenylene-covered gold nanoparticles and their insertion into a columnar matrix. <i>Soft Matter</i> , 2007 , 3, 896-900	3.6	115
137	Triphenylene-based discotic liquid crystals: recent advances. <i>Liquid Crystals</i> , 2013 , 40, 1769-1816	2.3	112
136	Self-assembled monolayers (SAMs) of alkoxy cyanobiphenyl thiols on gold--a study of electron transfer reaction using cyclic voltammetry and electrochemical impedance spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2006 , 296, 195-203	9.3	94
135	A porous, crystalline truxene-based covalent organic framework and its application in humidity sensing. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21820-21827	13	79
134	Natural Sunlight Driven Oxidative Homocoupling of Amines by a Truxene-Based Conjugated Microporous Polymer. <i>ACS Catalysis</i> , 2018 , 8, 6751-6759	13.1	75
133	Microwave-assisted synthesis of novel imidazolium-based ionic liquid crystalline dimers. <i>Tetrahedron Letters</i> , 2006 , 47, 8993-8997	2	75
132	Applications of liquid crystals in biosensing and organic light-emitting devices: future aspects. <i>Liquid Crystals</i> , 2016 , 43, 2009-2050	2.3	62
131	Ionic discotic liquid crystals: synthesis and characterization of pyridinium bromides containing a triphenylene core. <i>Tetrahedron Letters</i> , 2005 , 46, 4127-4130	2	59
130	Synthesis and characterization of novel imidazolium-based ionic discotic liquid crystals with a triphenylene moiety. <i>Tetrahedron Letters</i> , 2005 , 46, 2607-2610	2	58
129	New perylene-based non-conventional discotic liquid crystals. <i>RSC Advances</i> , 2013 , 3, 12060	3.7	55
128	Triphenylene-Based Room-Temperature Discotic Liquid Crystals: A New Class of Blue-Light-Emitting Materials with Long-Range Columnar Self-Assembly. <i>Langmuir</i> , 2016 , 32, 1120-6	4	45
127	Perylo[1,12-b,c,d] Thiophene Tetraesters: A New Class of Luminescent Columnar Liquid Crystals. <i>Langmuir</i> , 2015 , 31, 8092-100	4	44
126	Aromatic π -Driven supergelation, aggregation induced emission and columnar self-assembly of star-shaped 1,2,4-oxadiazole derivatives. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6546-6561	7.1	44
125	Star-shaped fluorescent liquid crystals derived from s-triazine and 1,3,4-oxadiazole moieties. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6117-6130	7.1	41
124	Proton-Triggered Fluorescence Switching in Self-Exfoliated Ionic Covalent Organic Nanosheets for Applications in Selective Detection of Anions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13248-13255	9.5	40
123	Electroluminescent room temperature columnar liquid crystals based on bay-annulated perylene tetraesters. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1767-1781	7.1	38
122	Multifunctional hexacatenar mesogen exhibiting supergelation, AIEE and its ability as a potential volatile acid sensor. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9669-9673	7.1	36

121	Adsorbate-Induced Ordering Transitions of Nematic Liquid Crystals on Surfaces Decorated with Aluminum Perchlorate Salts. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 1857-1865	9.5	34
120	Novel triphenylene-based ionic discotic liquid crystalline polymers. <i>Liquid Crystals</i> , 2008 , 35, 381-384	2.3	33
119	Tuning the self-assembly and photophysical properties of bi-1,3,4-thiadiazole derivatives through electron donor-acceptor interactions and their application in OLEDs. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9345-9358	7.1	32
118	A simple quantitative method to study protein-lipopolysaccharide interactions by using liquid crystals. <i>ChemPhysChem</i> , 2015 , 16, 753-60	3.2	31
117	Phase transitions in novel disulphide-bridged alkoxy cyanobiphenyl dimers. <i>Liquid Crystals</i> , 2007 , 34, 135-141	3.1	31
116	Liquid crystal based sensing device using a smartphone. <i>Analyst, The</i> , 2018 , 143, 1046-1052	5	30
115	Poly(l-lysine)-Coated Liquid Crystal Droplets for Cell-Based Sensing Applications. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 4247-4256	3.4	29
114	The first examples of room temperature liquid crystal dimers based on cholesterol and pentaalkynylbenzene. <i>Liquid Crystals</i> , 2015 , 42, 1250-1256	2.3	29
113	Dispersion of thiol stabilized gold nanoparticles in lyotropic liquid crystalline systems. <i>Langmuir</i> , 2007 , 23, 3445-9	4	29
112	A new strategy towards the synthesis of a room-temperature discotic nematic liquid crystal employing triphenylene and pentaalkynylbenzene units. <i>Chemical Communications</i> , 2017 , 53, 3014-3017	5.8	28
111	Films of novel mesogenic molecules at air-water and air-solid interfaces. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 11157-61	3.4	27
110	High Hole Mobility and Efficient Ambipolar Charge Transport in Heterocoronene-Based Ordered Columnar Discotics. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18799-18805	16.4	26
109	Poly(l-lysine)-Coated Liquid Crystal Droplets for Sensitive Detection of DNA and Their Applications in Controlled Release of Drug Molecules. <i>ACS Omega</i> , 2017 , 2, 7936-7945	3.9	26
108	Room-Temperature Columnar Liquid Crystals as Efficient Pure Deep-Blue Emitters in Organic Light-Emitting Diodes with an External Quantum Efficiency of 4.0. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8291-8300	9.5	25
107	Liquid Crystal based Detection of Pb(II) Ions Using Spinach RNA as Recognition Probe. <i>Langmuir</i> , 2019 , 35, 7816-7823	4	25
106	Room temperature discotic liquid crystalline triphenylene-pentaalkynylbenzene dyads as an emitter in blue OLEDs and their charge transfer complexes with ambipolar charge transport behaviour. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5724-5738	7.1	25
105	Bay-Annulated Perylene Tetraesters: A New Class of Discotic Liquid Crystals. <i>ChemPhysChem</i> , 2016 , 17, 859-72	3.2	25
104	pH-Driven Ordering Transitions in Liquid Crystal Induced by Conformational Changes of Cardiolipin. <i>Langmuir</i> , 2015 , 31, 4741-51	4	24

103	Chemically responsive gels prepared from microspheres dispersed in liquid crystals. <i>Small</i> , 2009 , 5, 2589-2596	2.4	24
102	The first examples of terminally thiol-functionalized alkoxybiphenyls. <i>Liquid Crystals</i> , 2005 , 32, 659-661	2.3	23
101	Deep-Blue OLED Fabrication from Heptazine Columnar Liquid Crystal Based AIE-Active Sky-Blue Emitter. <i>ChemistrySelect</i> , 2018 , 3, 7771-7777	1.8	22
100	A room temperature discotic mesogenic dyad based-on triphenylene and pentaalkynylbenzene. <i>Tetrahedron Letters</i> , 2014 , 55, 5836-5840	2	22
99	Self-assembled monolayers (SAMs) of alkoxybiphenyl thiols on gold surface using a lyotropic liquid crystalline medium. <i>Electrochimica Acta</i> , 2007 , 52, 2987-2997	6.7	22
98	Discotic-Decorated Gold Nanoparticles. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 434, 251/[579]-258/[586]		22
97	Contrasting effects of heterocycle substitution and branched tails in the arms of star-shaped molecules. <i>New Journal of Chemistry</i> , 2017 , 41, 4680-4688	3.6	21
96	Colloid-in-liquid crystal gels formed via spinodal decomposition. <i>Soft Matter</i> , 2014 , 10, 1602-10	3.6	21
95	Heptazine: an Electron-Deficient Fluorescent Core for Discotic Liquid Crystals. <i>Chemistry - A European Journal</i> , 2017 , 23, 14718-14722	4.8	21
94	Synthesis and characterisation of novel rod-disc oligomers. <i>Liquid Crystals</i> , 2008 , 35, 521-525	2.3	21
93	Three-Ring-Based Room-Temperature Bent-Core Nematic Compounds: Synthesis and Characterization. <i>ChemPhysChem</i> , 2015 , 16, 2739-2744	3.2	20
92	Liquid-Crystalline Star-Shaped Supergelator Exhibiting Aggregation-Induced Blue Light Emission. <i>Langmuir</i> , 2016 , 32, 9301-12	4	20
91	Blue Luminescent Organic Light Emitting Diode Devices of a New Class of Star-Shaped Columnar Mesogens Exhibiting Driven Supergelation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 23659-23674	3.8	20
90	AIE-active mechanoluminescent discotic liquid crystals for applications in OLEDs and bio-imaging. <i>Chemical Communications</i> , 2020 , 56, 14279-14282	5.8	19
89	Room temperature columnar liquid crystalline self-assembly of acidochromic, luminescent, star-shaped molecules with cyanovinylene chromophores. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1844-1852	7.1	18
88	Hydrogen-bond mediated columnar liquid crystalline assemblies of C-symmetric heptazine derivatives at ambient temperature. <i>Soft Matter</i> , 2018 , 14, 6342-6352	3.6	18
87	A new pathway for the formation of radial nematic droplets within a lipid-laden aqueous-liquid crystal interface. <i>RSC Advances</i> , 2014 , 4, 18889-18893	3.7	18
86	Synthesis of monohydroxy-functionalized triphenylene discotics: green chemistry approach. <i>Tetrahedron</i> , 2007 , 63, 6874-6878	2.4	18

85	Colloid-in-liquid crystal gels that respond to biomolecular interactions. <i>Small</i> , 2013 , 9, 2785-92, 2784	11	17
84	Phase Behavior of a New Class of Anthraquinone-Based Discotic Liquid Crystals. <i>Langmuir</i> , 2017 , 33, 13849-13860		
83	Room-Temperature Columnar Nematic and Soft Crystalline Columnar Assemblies of a New Series of Perylene-Centred Disc Tetramers. <i>Chemistry - A European Journal</i> , 2017 , 23, 12767-12778	4.8	17
82	Effects of Divalent Ligand Interactions on Surface-Induced Ordering of Liquid Crystals. <i>Chemistry of Materials</i> , 2010 , 22, 5474-5482	9.6	17
81	Room temperature perylene based columnar liquid crystals as solid-state fluorescent emitters in solution-processable organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 12485-12494	7.1	17
80	Room-Temperature Oligomeric Discotic Nematic Liquid Crystals over a Wide Temperature Range: Structure-Property Relationships. <i>Chemistry - A European Journal</i> , 2017 , 23, 10626-10631	4.8	16
79	Orthogonal smectic and nematic ordering in three-ring polar bent-core molecules with anti-parallel arrangement. <i>New Journal of Chemistry</i> , 2017 , 41, 5403-5411	3.6	16
78	Columnar self-assembly of luminescent bent-shaped hexacatenars with a central pyridine core connected with substituted 1,3,4-oxadiazole and thiadiazoles. <i>New Journal of Chemistry</i> , 2018 , 42, 3781-3798	3.6	16
77	Hexacatenars Exhibiting H ₂ O-Driven Supergelation, Aggregation Induced Blue Light Emission and Thermochromism. <i>ChemistrySelect</i> , 2016 , 1, 5107-5120	1.8	16
76	Protein triggered ordering transitions in poly (L-lysine)-coated liquid crystal emulsion droplets. <i>Liquid Crystals</i> , 2019 , 46, 1318-1326	2.3	15
75	The effect of regioisomerism on the mesomorphic and photophysical behavior of oxadiazole-based tris(N-salicylideneaniline)s: synthesis and characterization. <i>New Journal of Chemistry</i> , 2017 , 41, 9908-9917	3.6	15
74	Splay and bend elastic constants in the nematic phase of some disulfide bridged dimeric compounds. <i>Physical Review E</i> , 2010 , 82, 061703	2.4	15
73	Microwave-assisted synthesis of novel oligomeric rod-disc hybrids. <i>Tetrahedron Letters</i> , 2012 , 53, 6446-6450	4.50	13
72	Gold nanoparticle-mediated signal amplification of liquid crystal biosensors for dopamine. <i>Analyst, The</i> , 2019 , 144, 1110-1114	5	12
71	Detection of creatinine using surface-driven ordering transitions of liquid crystals. <i>Liquid Crystals</i> , 2016 , 43, 1126-1134	2.3	12
70	Microwave-assisted synthesis of novel mixed tail rufigallol derivatives. <i>Liquid Crystals</i> , 2013 , 40, 1364-1372	3.2	12
69	Observation of disordered mesomorphism in three-ring-based highly polar bent-core molecules: design, synthesis and characterisation. <i>Liquid Crystals</i> , 2017 , 44, 2247-2258	2.3	12
68	Unusual odd-even effects depending on the monomer chain length in nematic liquid crystals made of rod-like dimers. <i>Europhysics Letters</i> , 2009 , 85, 36002	1.6	12

67	Polar Switching and Cybotactic Nematic Ordering in 1,3,4-Thiadiazole-Based Short-Core Hockey Stick-Shaped Fluorescent Liquid Crystals. <i>ACS Omega</i> , 2019 , 4, 7711-7722	3.9	11
66	Rod-disc oligomeric liquid crystal based on 4-cyanobiphenyl and truxene core. <i>Liquid Crystals</i> , 2016 , 43, 963-971	2.3	11
65	Influence of terminal halogen moieties on the phase structure of short-core achiral hockey-stick-shaped mesogens: design, synthesis and structure-property relationship. <i>Molecular Systems Design and Engineering</i> , 2018 , 3, 839-852	4.6	11
64	Room-Temperature Columnar Liquid Crystalline Materials Based on Pyrazino[2,3-g]quinoxaline for Bright Green Organic Light-Emitting Diodes. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 1959-1969	4	10
63	Reversibly photoswitchable alkoxy azobenzenes connected benzenetricarboxamide discotic liquid crystals with perpetual long range columnar assembly. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 1947-1954	3.9	10
62	High hole mobility in room temperature discotic liquid crystalline tetrathienoanthracenes. <i>Chemical Communications</i> , 2020 , 56, 5629-5632	5.8	10
61	Observation of polar order and thermochromic behaviour in a chiral bent-core system exhibiting exotic mesophases due to superstructural frustration. <i>Chemical Communications</i> , 2018 , 54, 3452-3455	5.8	10
60	Supramolecular self-assembly of thiol functionalized pentaalkynylbenzene-decorated gold nanoparticles exhibiting a room temperature discotic nematic liquid crystal phase. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2303-2310	7.1	10
59	Star-shaped gels based on oxadiazole and thiadiazoles: a structure-property correlation. <i>Molecular Systems Design and Engineering</i> , 2017 , 2, 478-489	4.6	10
58	Photoswitchable Bent-Core Nematic Liquid Crystals with Methylated Azobenzene Wing Exhibiting Optic-Field-Enhanced Fréedericksz Transition Effect. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 874-885	3.8	10
57	A Dual-Function Highly Crystalline Covalent Organic Framework for HCl Sensing and Visible-Light Heterogeneous Photocatalysis. <i>Macromolecules</i> , 2021 , 54, 6595-6604	5.5	10
56	Cybotactic nematic phase of achiral unsymmetrical bent-core liquid crystals [Quelling of polar ordering and the influence of terminal substituent moiety. <i>Journal of Molecular Liquids</i> , 2018 , 257, 144-154	6.4	9
55	Highly Resolved Morphology of Room-Temperature Columnar Liquid Crystals Derived from Triphenylene and Multialkynylbenzene Using Reconstructed Electron Density Maps. <i>ChemistrySelect</i> , 2017 , 2, 6070-6077	1.8	9
54	High-performing DAD benzothiadiazole-based hybrid local and charge-transfer emitters in solution-processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 17009-17015	7.1	9
53	Structural organization and molecular self-assembly of a new class of polar and non-polar four-ring based bent-core molecules. <i>Journal of Molecular Liquids</i> , 2019 , 295, 111687	6	8
52	Structural Understanding, Photoswitchability, and Supergelation of a New Class of Four Ring-Based Bent-Shaped Liquid Crystal. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 4443-4451	3.4	8
51	Synthesis and characterisation of novel alkoxy cyanobiphenyl-substituted rufigallols. <i>Liquid Crystals</i> , 2013 , 40, 281-292	2.3	8
50	Differentiating Conformationally Distinct Alzheimer's Amyloid- β Oligomers Using Liquid Crystals. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 9012-9018	6.4	8

49	Unsymmetrically substituted room temperature discotic liquid crystals based on hexa- <i>p</i> - <i>ter</i> - <i>phenyl</i> -hexabenzocoronene core. <i>ChemistrySelect</i> , 2016 , 1, 880-885	1.8	8
48	Liquid Crystal Unveiled Interactions between Melittin and Phospholipids at Aqueous-Liquid Crystal Interface. <i>ChemistrySelect</i> , 2017 , 2, 4779-4786	1.8	7
47	Label-Free Imaging of Fibronectin Adsorption at Poly-(l-lysine)-Decorated Liquid Crystal Droplets. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 13642-13650	3.8	7
46	Ordering Transitions in Liquid Crystals Triggered by Bioactive Cyclic Amphiphiles: Potential Application in Label-Free Detection of Amyloidogenic Peptides. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6526-6536	3.8	7
45	Luminescent Conductive Columnar Gels for Fe(II) Sensing and Bio-Imaging Applications. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 10257-10265	3.4	7
44	TNF Induced Switching of Columnar Rectangular to Hexagonal Assemblies in a New Class of Triphenylene-Based Room Temperature Discotic Liquid Crystals. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 8593-8602	3.4	7
43	Design of Aqueous-Liquid Crystal Interfaces To Monitor Protein Aggregation at Nanomolar Concentrations. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 1305-1312	3.8	7
42	Design of bio-molecular interfaces using liquid crystals demonstrating endotoxin interactions with bacterial cell wall components. <i>RSC Advances</i> , 2015 , 5, 66476-66486	3.7	6
41	Microrheology to probe smectic clusters in bent-core nematic liquid crystals. <i>Soft Matter</i> , 2020 , 16, 7556-7561	3.6	6
40	Photo-responsive liquid crystals derived from azobenzene centered cholesterol-based tetramers. <i>New Journal of Chemistry</i> , 2018 , 42, 8765-8772	3.6	5
39	Synthesis and characterization of novel azobenzene-based mesogens and their organization at the air-water and air-solid interfaces. <i>RSC Advances</i> , 2014 , 4, 41371-41377	3.7	5
38	Twist viscoelastic coefficient of novel thiol terminated alkoxy-cyanobiphenyl nematic liquid crystals. <i>Journal of Chemical Physics</i> , 2007 , 126, 164901	3.9	5
37	Enabling efficient ambipolar charge carrier mobility in a H-bonded heptazine-triphenylene system forming segregated donor-acceptor columnar assemblies. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 8552-8561	7.1	5
36	Synthesis, Mesomorphism and Photoluminescence of a New Class of Anthracene-based Discotic Liquid Crystals. <i>ChemistrySelect</i> , 2016 , 1, 5075-5082	1.8	4
35	Chiral Bent-Shaped Molecules Exhibiting Unusually Wide Range of Blue Liquid-Crystalline Phases and Multistimuli-Responsive Behavior. <i>Chemistry - A European Journal</i> , 2020 , 26, 5859-5871	4.8	3
34	Green Chemistry Approach to the Synthesis of Liquid Crystalline Materials. <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 480, 287-294	0.5	3
33	Sucrose-mediated heat-stiffening microemulsion-based gel for enzyme entrapment and catalysis. <i>Chemical Communications</i> , 2020 , 56, 10698-10701	5.8	3
32	Probing Nanoscale Lipid-Protein Interactions at the Interface of Liquid Crystal Droplets. <i>Nano Letters</i> , 2021 , 21, 4546-4553	11.5	3

31	Photo-Responsive Behavior of Azobenzene Based Polar Hockey-Stick-Shaped Liquid Crystals. <i>ChemPhysChem</i> , 2021 , 22, 1361-1370	3.2	3
30	Design, Synthesis and Characterization of Achiral Unsymmetrical Four-ring based Hockey-stick Shaped Liquid Crystals: Structure-Property relationship. <i>Liquid Crystals</i> , 1-10	2.3	3
29	Discotic Liquid Crystalline Polymers: Structure and Chemistry 2016 , 583-615		2
28	Ionic Discotic Liquid Crystals: Recent Advances and Applications 2014 , 267-314		2
27	Lipid-induced structural turnover of water droplets to liquid crystal droplets 2014 ,		2
26	Liquid Crystal Dimers 2017 ,		2
25	Design, synthesis and application of 2-chloro-3-nitrobenzoic acid based three-ring bent-core molecules with a terminal halogen moiety. <i>Journal of Molecular Structure</i> , 2020 , 1202, 127383	3.4	2
24	Surfactin-Laden Aqueous Liquid Crystal Interface Enabled Identification of Secondary Structure of Proteins. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 780-788	3.8	2
23	Molecular Engineering for the Development of a Discotic Nematic Mesophase and Solid-State Emitter in Deep-Blue OLEDs. <i>Journal of Organic Chemistry</i> , 2021 , 86, 7256-7262	4.2	2
22	An electron-deficient tris(triazole)-based discotic liquid crystal that exhibits fast electron transport. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5628-5632	7.1	2
21	Discs to a Bright Future: Exploring Discotic Liquid Crystals in Organic Light Emitting Diodes in the Era of New-Age Smart Materials.. <i>Chemical Record</i> , 2022 , e202200056	6.6	2
20	Structure-property relationships in lath-shaped triads based on multialkynylbenzene. <i>Liquid Crystals</i> , 2018 , 45, 1279-1286	2.3	1
19	Discotic Liquid Crystalline Dimers: Chemistry and Applications 2015 , 295-365		1
18	Distinct interfacial ordering of liquid crystals observed by protein-lipid interactions that enabled the label-free sensing of cytoplasmic protein at the liquid crystal-aqueous interface. <i>Analyst, The</i> , 2021 , 146, 7152-7159	5	1
17	Scholl reaction of hexaphenylbenzenes with hexakis-alkoxy substituents. <i>Liquid Crystals</i> , 2019 , 46, 430-441	4.3	1
16	Hydrogen bond assisted anchoring transitions in nematic liquid crystals at the aqueous interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 625, 126952	5.1	1
15	Electroluminescent Aggregation-Induced Emission-Active Discotic Liquid Crystals Based on Alkoxy Cyanostilbene-Functionalized Benzenetricarboxamide with Ambipolar Charge Transport. <i>ACS Applied Electronic Materials</i> , 2022 , 4, 1163-1174	4	1
14	Luminescent Conjugated Microporous Polymers for Selective Sensing and Ultrafast Detection of Picric Acid. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2648-2655	4.3	1

13	Observation of "de Vries-like" properties in bent-core molecules.. <i>Chemical Science</i> , 2022 , 13, 2249-2257	9.4	o
12	Functional Discotic Liquid Crystals Through Molecular Self-Assembly: Toward Efficient Charge Transport Systems. <i>Nanostructure Science and Technology</i> , 2022 , 89-130	0.9	o
11	Chemical and physical aspects of recent bent-shaped liquid crystals exhibiting chiral and achiral mesophases. <i>Liquid Crystals</i> , 1-69	2.3	o
10	Liquid Crystals as Signal Transducers for Sensing of Analytes Using Aptamer as Recognition Probe. <i>Liquid Crystals Reviews</i> , 1-41	2.8	o
9	24th National Conference on Liquid Crystals (NCLC) at IISER Mohali, India. <i>Liquid Crystals Today</i> , 2018 , 27, 31-37	1.9	
8	Liquid Crystals: Colloid-in-Liquid Crystal Gels that Respond to Biomolecular Interactions (Small 16/2013). <i>Small</i> , 2013 , 9, 2784-2784	11	
7	A new visual test for p-quinone and its relevance to the biodiesel industry. <i>Analytical Methods</i> , 2012 , 4, 3542	3.2	
6	Liquid Crystalline Polymers Derived from Disc-Shaped Molecules. <i>Polymers and Polymeric Composites</i> , 2020 , 1-35	0.6	
5	Calamitic-Calamitic LC Dimers 10-58		
4	Calamitic-Cholesteric LC Dimers 59-117		
3	Discotic LC Dimers 118-184		
2	Bent-Core LC Dimers 185-224		
1	Liquid Crystalline Polymers Derived from Disc-Shaped Molecules. <i>Polymers and Polymeric Composites</i> , 2020 , 59-93	0.6	