

Hengfeng Li

List of Publications by Year in descending order

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54
papers

1,696
citations

567281

15
h-index

276875

41
g-index

58
all docs

58
docs citations

58
times ranked

2198
citing authors

#	ARTICLE	IF	CITATIONS
1	An all-organic composite actuator material with a high dielectric constant. <i>Nature</i> , 2002, 419, 284-287.	27.8	985
2	Poly(vinylidene fluoride-trifluoroethylene) based high performance electroactive polymers. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2004, 11, 299-311.	2.9	106
3	Amplified voltammetric detection of miRNA from serum samples of glioma patients via combination of conducting magnetic microbeads and ferrocene-capped gold nanoparticle/streptavidin conjugates. <i>Biosensors and Bioelectronics</i> , 2016, 86, 502-507.	10.1	41
4	Surface plasmon resonance biosensors for simultaneous monitoring of amyloid-beta oligomers and fibrils and screening of select modulators. <i>Analyst</i> , 2016, 141, 331-336.	3.5	39
5	Synthesis and Self-Assembly of Functionalized Donor-Acceptor Molecules. <i>Organic Letters</i> , 2005, 7, 443-446.	4.6	37
6	Poly(vinylidene fluoride-co-hexafluoropropylene)-MXene Nanosheet Composites for Microcapacitors. <i>ACS Applied Nano Materials</i> , 2020, 3, 7992-8003.	5.0	34
7	Core-shell structured Ag@C nanocables for flexible ferroelectric polymer nanodielectric materials with low percolation threshold and excellent dielectric properties. <i>RSC Advances</i> , 2018, 8, 1-9.	3.6	33
8	Correlating the Structure and Optical Absorption Properties of Au ₇₆ (SR) ₄₄ Cluster. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13739-13748.	3.1	30
9	Enhanced Small-Molecule Assembly through Directional Intramolecular Forces. <i>Organic Letters</i> , 2005, 7, 4471-4474.	4.6	23
10	Poly(amic acid) salt-stabilized silver nanoparticles as efficient and recyclable quasi-homogeneous catalysts for the aqueous hydration of nitriles to amides. <i>New Journal of Chemistry</i> , 2016, 40, 358-364.	2.8	22
11	Synthesis and crystal structure of bis(2-dimethylaminoethylindenyl) divalent organolanthanides (Ln=Sm, Yb). <i>Journal of Organometallic Chemistry</i> , 1999, 585, 59-62.	1.8	21
12	Preparation, morphology and properties of acylchloride-grafted multiwall carbon nanotubes/fluorinated polyimide composites. <i>Composites Science and Technology</i> , 2011, 71, 1914-1920.	7.8	21
13	O-Difluoromethylation of 1,3-diones with S-difluoromethyl sulfonium salt. <i>RSC Advances</i> , 2016, 6, 35705-35708.	3.6	21
14	Influence of the annealing conditions on the polarization and electromechanical response of high-energy-electron-irradiated poly(vinylidene fluoride trifluoroethylene) copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 797-806.	2.1	18
15	Fluorinated tolan-type nematic mesogens containing a 1,3-dioxan unit. <i>Liquid Crystals</i> , 2001, 28, 913-917.	2.2	16
16	High dielectric, dynamic mechanical and thermal properties of polyimide composite film filled with carbon-coated silver nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 243-248.	2.3	15
17	Spatially Confined Li-Oxygen Interaction in the Tunnel of \pm -MnO ₂ Catalyst for Li-Air Battery: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16193-16200.	3.1	15
18	Synthesis and mesomorphic properties of fluoro-containing azobenzene liquid crystals. <i>Liquid Crystals</i> , 2001, 28, 375-379.	2.2	13

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19	Synthesis and characterization of novel fluorinated bistolane-type liquid crystals. <i>Liquid Crystals</i> , 2001, 28, 1463-1467.	2.2	13
20	A New Class of Supramolecular Wires. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18912-18916.	3.1	12
21	Thermal characterization of a series of poly(vinylidene fluoride- <i>co</i> -chlorotrifluoroethylene- <i>co</i> -trifluoroethylene) terpolymer films. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 105, 357-364.	3.6	12
22	Preparation and properties of core-shell silver/polyimide nanocomposites. <i>Polymer Bulletin</i> , 2014, 71, 2661-2670.	3.3	12
23	2,3-Difluorinated phenyl and cyclohexane units in the design and synthesis of liquid crystals having negative dielectric anisotropy. <i>Liquid Crystals</i> , 1999, 26, 1743-1747.	2.2	11
24	Synthesis and mesomorphic properties of resorcylic di[4-(4-alkoxy-2,3-difluorophenyl)ethynyl]benzoate: a novel achiral antiferroelectric banana-shaped mesogen. <i>Liquid Crystals</i> , 2001, 28, 1705-1708.	2.2	11
25	A new strategy for high-performance electromagnetic interference shielding by designing a layered double-percolated structure in PS/PVDF/MXene composites. <i>European Polymer Journal</i> , 2021, 151, 110450.	5.4	11
26	Poly(vinylidene-fluoride-trifluoroethylene) based high-performance electroactive polymers. , 2003, , .		10
27	Synthesis and mesomorphic properties of fluorinated phenyl 4-[(4-alkoxy-2,3-difluorophenyl)ethynyl]benzoates. <i>Liquid Crystals</i> , 2005, 32, 527-531.	2.2	10
28	Synthesis and mesomorphic properties of cholesteryl p-polyfluoroalkoxy-m-nitrobenzoate. <i>Journal of Fluorine Chemistry</i> , 2001, 109, 205-208.	1.7	9
29	A highly robust and reusable polyimide-supported nanosilver catalyst for the reduction of 4-nitrophenol. <i>Journal of Materials Research</i> , 2015, 30, 2713-2721.	2.6	9
30	Poly(amic acid) salt-mediated palladium and platinum nanoparticles as highly active and recyclable catalysts for hydrogenation of nitroarenes in water under ambient conditions. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4717.	3.5	9
31	Enhanced dielectric constant and suppressed electrical conductivity in polymer nanocomposite films via loading MXene/TiO ₂ /MoS ₂ nanosheets. <i>Ceramics International</i> , 2022, 48, 10447-10457.	4.8	9
32	Preparation and crystallization behavior of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (fluoride- <i>co</i> -ter- <i>co</i> -chlorotrifluoroethylene) terpolymer. <i>Journal of Applied Polymer Science</i> , 2011, 122, 3007-3015.	2.6	7
33	Synthesis and mesomorphic properties of 4-[(4-alkoxy-2,3-difluorophenyl)ethynyl]phenyl fluoro-substituted benzoates. <i>Liquid Crystals</i> , 2000, 27, 1445-1449.	2.2	6
34	An efficient poly(amic acid) salt-stabilised palladium nanocatalyst with excellent recyclable performance for Suzuki-Miyaura coupling reactions under mild conditions. <i>Journal of Experimental Nanoscience</i> , 2018, 13, 95-106.	2.4	6
35	Synthesis and mesomorphic properties of tolane-based liquid crystals with a fluorinated polar end group. <i>Liquid Crystals</i> , 2006, 33, 1127-1131.	2.2	5
36	Core-shell Structured Ag@PDA Nanowires and BT@PDA Nanoparticles for Three-phase Flexible Polymer Nanocomposites with Excellent Dielectric Properties. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2021, 28, 1909-1916.	2.9	5

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37	Synthesis and mesomorphic properties of three- and four-ring liquid crystals containing cyclohexyl, phenyl and pyridyl units. <i>Liquid Crystals</i> , 2002, 29, 989-993.	2.2	4
38	<title>Electromechanical properties and molecular conformation in P(VDF-TrFE)-based terpolymer</title>. , 2002, , .		4
39	Efficient Goldâ€Palladium Nanoparticles Stabilized by Poly(amic acid) Salt: Synthesis and Application in Catalytic Oxidation of Amines to Imines. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1384-1392.	3.7	4
40	Mesomorphic properties of 4-(polyfluoroalkoxycarbonyl)phenyl 4-(4-n-heptoxy-2,3,5,6-tetrafluorophenyl)benzoates. <i>Liquid Crystals</i> , 2001, 28, 1573-1574.	2.2	3
41	Poly(vinylidene fluoroethylene-trifluoroethylene) based high performance electroactive polymers. , 0, , .		3
42	Synthesis and Characterization of Fluorinated Polyimide/Silica Nanocomposites with Low Water Absorption and Dielectric Constant. <i>Asian Journal of Chemistry</i> , 2013, 25, 139-143.	0.3	3
43	Synthesis and microstructure of a novel graft copolymer from poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (Bu 19-26.	1.6	3
44	Poly (amic acid) Saltâ€Stabilized Auâ€Ag Alloy Nanoparticles as Efficient and Recyclable Quasiâ€homogeneous Catalysts for the Imines Synthesis from Alcohols and Amines in Water. <i>ChemistrySelect</i> , 2019, 4, 10401-10407.	1.5	3
45	MXene filled polyetherimide matrix composites with remarkable nonlinear conductive performance and low percolation threshold. <i>Composites Science and Technology</i> , 2021, 216, 109062.	7.8	3
46	Synthesis and mesomorphic properties of mesogens containing (4-polyfluoroalkoxy-2,3,5,6-tetrafluorophenyl)ethynyl groups. <i>Journal of Fluorine Chemistry</i> , 2001, 110, 37-42.	1.7	2
47	Synthesis and mesomorphic properties of four-ring liquid crystals containing cyclohexyl, phenyl and pyridyl units. <i>Liquid Crystals</i> , 2002, 29, 1105-1107.	2.2	2
48	Two new isomeric zinc(II) metalâ€organic frameworks based on 1,5-bis(2-methyl-1<i>H</i>-imidazol-1-yl)pentane and 5-methylisophthalate ligands. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 78-83.	0.5	2
49	Mesogens containingp-polyfluoro-m-nitrobenzoate and 2,3-difluorotolane groups. <i>Liquid Crystals</i> , 2001, 28, 1585-1586.	2.2	1
50	Preparation and properties of the polyimide thin films reinforced by acylchloride-functionalized multiple-walled carbon nanotubes. <i>Journal of Composite Materials</i> , 2013, 47, 3041-3051.	2.4	1
51	Enhanced dielectric permittivity of graphite oxide/polyimide composite films. <i>Journal of Central South University</i> , 2016, 23, 2747-2753.	3.0	1
52	Synthesis and Self-Assembly of Functionalized Donorâ€Acceptor Molecules.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
53	Dual-color Multiresponsive Rhodamine Derivative and its Photochromic Enhancement Behavior in Polyurethane. , 2017, , .		0
54	Kinetics of fast-curing epoxy resin cationic thermopolymerization: Propagated by ACE and AM mechanism. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , .	3.6	0