

Ling Qiu

List of Publications by Year in descending order

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45
papers

1,153
citations

304743

22
h-index

395702

33
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45
all docs

45
docs citations

45
times ranked

760
citing authors

#	ARTICLE	IF	CITATIONS
1	Donor modification of nonlinear optical chromophores: Synthesis, characterization, and fine-tuning of chromophores' mobility and steric hindrance to achieve ultra large electro-optic coefficients in guest-host electro-optic materials. <i>Dyes and Pigments</i> , 2014, 104, 15-23.	3.7	97
2	Enhanced electro-optic coefficient (r_{33}) in nonlinear optical chromospheres with novel donor structure. <i>RSC Advances</i> , 2012, 2, 1416-1423.	3.6	67
3	Nonlinear optical chromophores containing a novel pyrrole-based bridge: optimization of electro-optic activity and thermal stability by modifying the bridge. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7785-7795.	5.5	64
4	Synthesis and optical nonlinear property of Y-type chromophores based on double-donor structures with excellent electro-optic activity. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5124-5132.	5.5	62
5	Study on novel second-order NLO azo-based chromophores containing strong electron-withdrawing groups and different conjugated bridges. <i>Journal of Materials Science</i> , 2004, 39, 2335-2340.	3.7	57
6	Synthesis of novel nonlinear optical chromophores: achieving excellent electro-optic activity by introducing benzene derivative isolation groups into the bridge. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11595-11604.	5.5	47
7	Synthesis and nonlinear optical properties of branched pyrroline chromophores. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 439-444.	1.9	45
8	Comparison of nonlinear optical chromophores containing different conjugated electron-bridges: the relationship between molecular structure-properties and macroscopic electro-optic activities of materials. <i>RSC Advances</i> , 2014, 4, 49737-49744.	3.6	43
9	Synthesis and optical properties of new fluorinated second-order nonlinear optical copolymers: an attempt toward the balance between solubility and long-term alignment stability. <i>Polymer Chemistry</i> , 2013, 4, 2703.	3.9	40
10	Auxiliary donor for tetrahydroquinoline-containing nonlinear optical chromophores: enhanced electro-optical activity and thermal stability. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9283-9291.	5.5	39
11	Comparison of second-order nonlinear optical chromophores with D π A, A π A and D π A architectures: diverse NLO effects and interesting optical behavior. <i>RSC Advances</i> , 2014, 4, 52991-52999.	3.6	38
12	The synthesis of new double-donor chromophores with excellent electro-optic activity by introducing modified bridges. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5776-5784.	2.8	32
13	Synthesis of tricyanofuran chromophore with flexible rigid isolated group and its application as nonlinear optical materials. <i>Materials Letters</i> , 2012, 75, 233-235.	2.6	31
14	Facile synthesis and electro-optic activities of new polycarbonates containing tricyanofuran-based nonlinear optical chromophores. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2841-2849.	2.3	30
15	Enhancement of electro-optic properties of bis(N,N-diethyl)aniline based second order nonlinear chromophores by introducing a stronger electron acceptor and modifying the π -bridge. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6704-6712.	5.5	29
16	Synthesis and optical nonlinear property of NLO chromophores with alkoxy chains of different lengths using 8-hydroxy-1,1,7,7-tetramethyl-formyljulolidine as donor. <i>Dyes and Pigments</i> , 2015, 112, 42-49.	3.7	28
17	Enhanced electro-optic activity from the triarylaminophenyl-based chromophores by introducing heteroatoms to the donor. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5297-5306.	5.5	25
18	Sub-picosecond resonant third-order nonlinear optical response of azobenzene-doped polymer film. <i>Journal of Applied Physics</i> , 1997, 81, 7073-7075.	2.5	24

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19	The important role of the location of the alkoxy group on the thiophene ring in designing efficient organic nonlinear optical materials based on double-donor chromophores. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3913-3921.	5.5	24
20	Novel nonlinear optical push-pull fluorene dyes chromophore as promising materials for telecommunications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12180-12185.	2.2	24
21	Synthesis of julolidine-containing nonlinear optical chromophores: Achieving excellent electro-optic activity by optimizing the bridges and acceptors. <i>Dyes and Pigments</i> , 2016, 134, 358-367.	3.7	23
22	Synthesis of novel nonlinear optical chromophores: achieving enhanced electro-optic activity and thermal stability by introducing rigid steric hindrance groups into the julolidine donor. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1675-1684.	5.5	23
23	Dynamic studies of degenerate four-wave-mixing in an azobenzene-doped polymer film with an optical pump. <i>Journal of Chemical Physics</i> , 1995, 103, 5357-5361.	3.0	22
24	Novel chromophores with excellent electro-optic activity based on double-donor chromophores by optimizing thiophene bridges. <i>Dyes and Pigments</i> , 2015, 122, 139-146.	3.7	22
25	Synthesis of chromophores with ultrahigh electro-optic activity: Rational combination of the bridge, donor and acceptor groups. <i>Dyes and Pigments</i> , 2017, 136, 182-190.	3.7	18
26	Study on the thermal properties of doped PMMA systems. <i>Advanced Materials for Optics and Electronics</i> , 2000, 10, 3-7.	0.4	17
27	Magnesium Ethoxide as an Effective Catalyst in the Synthesis of Dicyanomethylendihydrofurans. <i>Synthetic Communications</i> , 2006, 36, 1367-1372.	2.1	17
28	Novel electro-optic chromophores based on substituted benzo[1,2-b:4,5-b']dithiophene π -conjugated bridges. <i>RSC Advances</i> , 2014, 4, 25532-25539.	3.6	17
29	Synthesis and electro-optic activities of new side-chain polycarbonates containing nonlinear optical chromophores and isolation groups. <i>RSC Advances</i> , 2014, 4, 4395-4402.	3.6	16
30	Synthesis and optical nonlinear properties of novel Y-shaped chromophores with excellent electro-optic activity. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11423-11431.	5.5	14
31	Hydrogen-bonded network: An effective approach to improve the thermal stability of organic/polymer electro-optic materials. <i>Science China Chemistry</i> , 2013, 56, 169-173.	8.2	13
32	Synthesis and properties of a new second-order NLO chromophore containing the benzo[b]furan moiety for electro-optical materials. <i>RSC Advances</i> , 2014, 4, 33312-33318.	3.6	12
33	Improved electro-optical property by introducing stronger acceptor to thermal stable chromophores using modified julolidine as donor. <i>Dyes and Pigments</i> , 2019, 167, 245-254.	3.7	12
34	Novel NLO-phores containing dihexyl amino benzo[b]thiophene exhibiting good transparency and enhanced electro-optical activity. <i>RSC Advances</i> , 2014, 4, 15870-15876.	3.6	11
35	Synthesis and characterization of two novel second-order nonlinear optical chromophores based on julolidine donors with excellent electro-optic activity. <i>RSC Advances</i> , 2016, 6, 99743-99751.	3.6	11
36	A study of two thermostable NLO chromophores with different π -electron bridges using fluorene as the donor. <i>New Journal of Chemistry</i> , 2015, 39, 1038-1044.	2.8	10

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37	Synthesis and optical properties of a crosslinkable polymer system containing tricyanofuran-based chromophores with excellent electro-optic activity and thermal stability. <i>Polymer International</i> , 2012, 61, 1376-1381.	3.1	8
38	Propagation properties of a light wave in a film quasiwaveguide structure. <i>Journal of Applied Physics</i> , 2002, 92, 5647-5657.	2.5	7
39	Synthesis and nonlinear optical properties of novel γ -type polyurethanes containing different concentrations of chromophore. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2694-2700.	2.6	7
40	Influence of monomer structure on the properties of blue phase liquid crystal. <i>Liquid Crystals</i> , 2018, 45, 1637-1643.	2.2	7
41	Synthesis and Characterization of Photonic Polyesters Containing Azo Chromophore in the Side Chain. <i>Polymer Journal</i> , 1996, 28, 1027-1032.	2.7	5
42	Visible and near-infrared photoluminescence of a supramolecular complex constructed from a cycloparaphenylene nanoring and an erbium metallofullerene. <i>Dalton Transactions</i> , 0, , .	3.3	5
43	SYNTHESIS OF A NOVEL POLYURETHANE NLO POLYMER AND CHARACTERIZATION IN OPTICAL NONLINEARITY OF ITS DAS-TCF CHROMOPHORE. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2004, 13, 55-63.	1.8	4
44	Improving poling efficiency by synthesizing a nonlinear optical chromophore containing two asymmetric non-conjugated D π -A chains. <i>RSC Advances</i> , 2015, 5, 10497-10504.	3.6	4
45	Research of the optimum molar ratio between guest and host chromophores in binary chromophore systems for excellent electro-optic activity. <i>RSC Advances</i> , 2016, 6, 1618-1626.	3.6	2