

# Hu Liuyong

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2278362/publications.pdf>

Version: 2024-02-01

83  
papers

3,640  
citations

136950

32  
h-index

133252

59  
g-index

84  
all docs

84  
docs citations

84  
times ranked

4665  
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband polymer photodetectors with a good trade-off between broad response and high detectivity by using combined electron-deficient moieties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3431-3437.	5.5	4
2	Tailor-Made Semiconducting Polymers for Second Near-Infrared Photothermal Therapy of Orthotopic Liver Cancer. <i>ACS Nano</i> , 2019, 13, 7345-7354.	14.6	126
3	Side-chain engineering in naphthalenediimide-based n-type polymers for high-performance all-polymer photodetectors. <i>Polymer Chemistry</i> , 2018, 9, 327-334.	3.9	17
4	Low-LUMO acceptor polymers for high-gain all-polymer photodiodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10838-10844.	5.5	6
5	Low-Bandgap Terpolymers for High-Gain Photodiodes with High Detectivity and Responsivity from 300 nm to 1600 nm. <i>ChemistrySelect</i> , 2018, 3, 7385-7393.	1.5	6
6	Low-Bandgap Polymers for High-Performance Photodiodes with Maximal EQE near 1200 nm and Broad Spectral Response from 300 to 1700 nm. <i>Advanced Optical Materials</i> , 2018, 6, 1800038.	7.3	62
7	Effect of compositions of acceptor polymers on dark current and photocurrent of all-polymer bulk-heterojunction photodetectors. <i>Polymer</i> , 2017, 114, 173-179.	3.8	15
8	Side-chain engineering for fine-tuning of molecular packing and nanoscale blend morphology in polymer photodetectors. <i>Polymer Chemistry</i> , 2017, 8, 2055-2062.	3.9	15
9	Visible and near-infrared electrochromic thiophene-diketopyrrolopyrrole polymers. <i>RSC Advances</i> , 2017, 7, 15521-15526.	3.6	15
10	Low-bandgap donor-acceptor polymers for photodetectors with photoresponsivity from 300 nm to 1600 nm. <i>Journal of Materials Chemistry C</i> , 2017, 5, 159-165.	5.5	70
11	Ultrafast photoresponse organic phototransistors based on pyrimido[4,5-g]quinazoline-4,9-dione polymer. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8742-8748.	5.5	8
12	Naphthalene diimide-diketopyrrolopyrrole copolymers as non-fullerene acceptors for use in bulk-heterojunction all-polymer UV-NIR photodetectors. <i>Polymer Chemistry</i> , 2017, 8, 528-536.	3.9	32
13	High-Detectivity All-Polymer Photodetectors with Spectral Response from 300 to 1100 nm. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1683-1689.	2.2	34
14	Advances in Organic Near-Infrared Materials and Emerging Applications. <i>Chemical Record</i> , 2016, 16, 1531-1548.	5.8	93
15	Enhancement of photodetector performance by tuning donor-acceptor ratios in diketopyrrolopyrrole- and thiophene-based polymers. <i>Polymer</i> , 2016, 99, 427-433.	3.8	10
16	Intense near- and mid-infrared absorbing films of electrochemically crosslinked multinuclear metallodithiolene complex polymers. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 296-301.	2.6	3
17	Optimization of Broad-Response and High-Detectivity Polymer Photodetectors by Bandgap Engineering of Weak Donor-Strong Acceptor Polymers. <i>Macromolecules</i> , 2015, 48, 3941-3948.	4.8	72
18	Significant Enhancement of the Detectivity of Polymer Photodetectors by Using Electrochemically Deposited Interfacial Layers of Crosslinked Polycarbazole and Carbazole-ethered Gold Nanoparticles. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400475.	3.7	16

#	ARTICLE	IF	CITATIONS
19	Corrugated Fiber Grating for Detection of Lead Ions in Water. <i>Journal of Lightwave Technology</i> , 2015, 33, 2549-2553.	4.6	7
20	Colorless metallothiolene oligomers and polymers with intense near- and mid-infrared absorption. <i>RSC Advances</i> , 2015, 5, 6815-6822.	3.6	12
21	Broad-spectrum chemiluminescence covering a 400–1400 nm spectral region and its use as a white-near infrared light source for imaging. <i>RSC Advances</i> , 2015, 5, 100736-100742.	3.6	10
22	Highly Sensitive Dual-Mode Fluorescence Detection of Lead Ion in Water Using Aggregation-Induced Emissive Polymers. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1592-1597.	3.9	23
23	Significant Efficiency Enhancement of Bulk Heterojunction Organic Photovoltaics Using Solution-Processable Interfacial Bilayers. <i>ChemElectroChem</i> , 2014, 1, 471-475.	3.4	1
24	Facile synthesis and characterization of well-defined soluble poly(benzimidazobenzophenanthroline)-like derivatives. <i>RSC Advances</i> , 2014, 4, 9967.	3.6	4
25	Panchromatic small molecules for UV-Vis-NIR photodetectors with high detectivity. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2431.	5.5	54
26	Highly sensitive and selective fluorescence turn-on detection of lead ion in water using fluorene-based compound and polymer. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5024.	10.3	21
27	Ultra-sensitive detection of explosives in solution and film as well as the development of thicker film effectiveness by tetraphenylethene moiety in AIE active fluorescent conjugated polymer. <i>Polymer Chemistry</i> , 2014, 5, 5638.	3.9	63
28	Short-conjugated zwitterionic cyanopyridinium chromophores: Synthesis, crystal structure, and linear/nonlinear optical properties. <i>Dyes and Pigments</i> , 2014, 111, 145-155.	3.7	10
29	Optimization of Solubility, Film Morphology and Photodetector Performance by Molecular Side-Chain Engineering of Low-Bandgap Thienothiadiazole-Based Polymers. <i>Advanced Functional Materials</i> , 2014, 24, 7605-7612.	14.9	89
30	Correction to "Lab-on-a-Fiber Device for Trace Vapor TNT Explosive Detection: Comprehensive Performance Evaluation" [Apr 13 1127-1133]. <i>Journal of Lightwave Technology</i> , 2012, 30, 3068-3068.	4.6	0
31	Near-infrared chemiluminescence tunable from 900 nm to 1700 nm from narrow-bandgap compounds and polymers. <i>Chemical Communications</i> , 2012, 48, 6426.	4.1	33
32	TNT Vapor Detection Based on a Lab-on-a-Fiber: Achieving a Millimeter-Scale Sensing Element on Fiber. <i>IEEE Sensors Journal</i> , 2012, 12, 213-217.	4.7	5
33	Synthesis and study of low-bandgap polymers containing the diazapentalene and diketopyrrolopyrrole chromophores for potential use in solar cells and near-infrared photodetectors. <i>Journal of Materials Chemistry</i> , 2012, 22, 12867.	6.7	40
34	Near-Infrared Thermochromic Diazapentalene Dyes. <i>Advanced Materials</i> , 2012, 24, 1582-1588.	21.0	30
35	Visible and near-infrared chiroptical gels containing electrochromic anthraquinone imide groups. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012, 30, 328-336.	3.8	7
36	Facile synthesis of organo-soluble surface-grafted all-single-layer graphene oxide as hole-injecting buffer material in organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 6040.	6.7	35

#	ARTICLE	IF	CITATIONS
37	A precursor strategy for the synthesis of low band-gap polymers: an efficient route to a series of near-infrared electrochromic polymers. <i>Journal of Materials Chemistry</i> , 2011, 21, 7678.	6.7	29
38	Colorimetric and near-infrared fluorescence turn-on molecular probe for direct and highly selective detection of cysteine in human plasma. <i>Journal of Materials Chemistry</i> , 2011, 21, 1040-1048.	6.7	92
39	Near-Infrared Organic Compounds and Emerging Applications. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1006-1029.	3.3	667
40	Effect of film thickness, blending and undercoating on optical detection of nitroaromatics using fluorescent polymer films. <i>Polymer</i> , 2010, 51, 842-847.	3.8	35
41	Photo-induced crosslinking of water-soluble polymers with a new photobase generator. <i>Polymer</i> , 2010, 51, 4058-4062.	3.8	8
42	Design, synthesis, and properties of benzobisthiadiazole-based donor-acceptor-donor type of low-band-gap chromophores and polymers. <i>Canadian Journal of Chemistry</i> , 2010, 88, 192-201.	1.1	45
43	Simple and Efficient Near-Infrared Organic Chromophores for Light-Emitting Diodes with Single Electroluminescent Emission above 1000 nm. <i>Advanced Materials</i> , 2009, 21, 111-116.	21.0	295
44	Rational Design, Synthesis, and Optical Properties of Film-Forming, Near-Infrared Absorbing, and Fluorescent Chromophores with Multidonors and Large Heterocyclic Acceptors. <i>Chemistry - A European Journal</i> , 2009, 15, 8902-8908.	3.3	53
45	Optical attenuation at the 1,550-nm wavelength in a reflective mode using electrochromic ruthenium complex film. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 365-369.	2.5	29
46	Visible and near-infrared chemosensor for colorimetric and ratiometric detection of cyanide. <i>Journal of Materials Chemistry</i> , 2009, 19, 522-530.	6.7	127
47	New one-step synthesis of polyimides in salicylic acid. <i>Polymer</i> , 2008, 49, 831-835.	3.8	26
48	Synthesis and near-infrared luminescent properties of some ruthenium complexes. <i>Synthetic Metals</i> , 2008, 158, 484-488.	3.9	52
49	Band Gap Tunable, Donor-Acceptor-Donor Charge-Transfer Heteroquinoid-Based Chromophores: Near Infrared Photoluminescence and Electroluminescence. <i>Chemistry of Materials</i> , 2008, 20, 6208-6216.	6.7	361
50	Synthesis, morphology and device characterizations of a new organic semiconductor based on 2,6-diphenylindenofluorene. <i>Journal of Materials Science: Materials in Electronics</i> , 2007, 18, 903-912.	2.2	6
51	Near-Infrared Electrochromic and Electroluminescent Polymers Containing Pendant Ruthenium Complex Groups. <i>Macromolecules</i> , 2006, 39, 7502-7507.	4.8	67
52	TOWARDS THERMALLY STABLE, HIGHLY ELECTRO-OPTICALLY ACTIVE ORGANIC POLYMERS: DESIGN AND SYNTHESIS OF CROSSLINKABLE POLYIMIDES CONTAINING ZWITTERIONIC NONLINEAR OPTICAL CHROMOPHORES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2005, 14, 367-374.	1.8	2
53	Dual Modulation of a Molecular Switch with Exceptional Chiroptical Properties. <i>Journal of the American Chemical Society</i> , 2005, 127, 11552-11553.	13.7	73
54	Cross-linked C60 Polymer Breaches the Quantum Gap. <i>Nano Letters</i> , 2004, 4, 1673-1675.	9.1	36

#	ARTICLE	IF	CITATIONS
55	Kinetic Studies of Photo-Cross-Linking of Acetylene-Containing Polyacrylates in the Presence of Tungsten Hexacarbonyl. <i>Macromolecules</i> , 2004, 37, 6650-6652.	4.8	0
56	Novel Near-IR Electrochromic Ruthenium Complex Polymers. <i>ACS Symposium Series</i> , 2004, , 51-65.	0.5	0
57	Dendritic Mixed-Valence Dinuclear Ruthenium Complexes for Optical Attenuation at Telecommunication Wavelengths. <i>Macromolecules</i> , 2003, 36, 3146-3151.	4.8	64
58	Synthesis, Characterization, and Multilayer Assemblies of Acid and Base Polyimides. <i>Macromolecules</i> , 2003, 36, 5885-5890.	4.8	16
59	Ultrafast nonresonant third-order optical nonlinearity of fullerene-containing polyurethane films at telecommunication wavelengths. <i>Applied Physics Letters</i> , 2003, 83, 2115-2117.	3.3	50
60	Refractive Index Matching: A General Method for Enhancing the Optical Clarity of a Hydrogel Matrix. <i>Chemistry of Materials</i> , 2002, 14, 4487-4489.	6.7	57
61	Poly(aryl ether)s containing <i>o</i> -terphenyl subunits. II. Random poly(ether sulfone)s. <i>Journal of Polymer Science Part A</i> , 2000, 38, 9-17.	2.3	7
62	Poly(aryl ether)s containing <i>o</i> -terphenyl subunits. III. Random copoly(ether imide)s. <i>Journal of Polymer Science Part A</i> , 2000, 38, 758-763.	2.3	3
63	Synthesis and characterization of poly(aryl ether imide)s containing electroactive perylene diimide and naphthalene diimide units. <i>Journal of Polymer Science Part A</i> , 2000, 38, 3467-3475.	2.3	42
64	Synthesis of polyimides and segmented block copolyimides by transimidization. <i>Journal of Polymer Science Part A</i> , 2000, 38, 3991-3996.	2.3	20
65	Molecular approach to the development of polyimides with novel structures and properties. <i>Polymers for Advanced Technologies</i> , 2000, 11, 652-657.	3.2	12
66	Polyimides Derived from Novel Unsymmetric Dianhydride. <i>Macromolecules</i> , 2000, 33, 4310-4312.	4.8	94
67	Synthesis and characterization of poly(ether naphthalimide)s. <i>Journal of Polymer Science Part A</i> , 1999, 37, 3227-3231.	2.3	11
68	Electrochemical behavior of a new electroactive polyimide derived from aniline trimer. <i>Journal of Polymer Science Part A</i> , 1999, 37, 4295-4301.	2.3	29
69	Synthesis and characterization of poly(aryl amide imide)s derived from diphenyltrimellitic anhydride. <i>Journal of Polymer Science Part A</i> , 1999, 37, 4541-4545.	2.3	2
70	Electroactive Aniline Oligomers of Well-Defined Structures and Their Polymeric Derivatives. <i>ACS Symposium Series</i> , 1999, , 384-398.	0.5	4
71	Combined Chemical and Raman Spectroscopic Determination of Microstructural Arrangement in Poly(2,5-benzophenone)s. <i>Macromolecules</i> , 1999, 32, 1691-1693.	4.8	4
72	Soluble alternating copolyimides containing the tetrahydro[5]helicene unit. <i>Journal of Polymer Science Part A</i> , 1998, 36, 1349-1353.	2.3	5

#	ARTICLE	IF	CITATIONS
73	Anhydride-Containing Polysulfones Derived from a Novel A2X-Type Monomer. <i>Macromolecules</i> , 1998, 31, 7970-7972.	4.8	17
74	Condensation Polyimides from AB-Type Amino Anhydride Monomers. <i>Macromolecules</i> , 1997, 30, 764-769.	4.8	35
75	Preparation and photochemical study of soluble optically active block copolymethacrylates and azo-containing random copolyethacrylates. <i>Journal of Polymer Science Part A</i> , 1997, 35, 9-16.	2.3	14
76	Long-distance chirality transfer in polymerization of isocyanides bearing a remote chiral group. <i>Polymer International</i> , 1997, 44, 83-87.	3.1	22
77	Novel Reactive Cyclobutenedione in Poly(arylene ether) Synthesis. <i>Macromolecules</i> , 1996, 29, 1073-1075.	4.8	5
78	Synthesis of Rigid Alternating Copolyimides Containing a Bent Unit. <i>Macromolecules</i> , 1996, 29, 792-794.	4.8	13
79	Unsymmetric 1,4-naphthylene-containing polysulfones. <i>Macromolecular Rapid Communications</i> , 1996, 17, 795-803.	3.9	5
80	Dielectric properties of novel poly(aryl prehnitide)s. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996, 34, 731-736.	2.1	4
81	Synthesis and properties of polyimides from 4,4'-binaphthyl-1,8-tetracarboxylic dianhydride. <i>Journal of Polymer Science Part A</i> , 1995, 33, 1627-1635.	2.3	34
82	Characterization and comparison of poly(aryl ether ketone)s containing dibenzoylbiphenyl moieties: Effects of changes in biphenyl substitution pattern on thermal and mechanical properties. <i>Journal of Polymer Science Part A</i> , 1995, 33, 2741-2752.	2.3	19
83	Fiber-Optic Membrane Fluorescent Sensor Based on Photonic Crystal Fiber with a Glass Rod in the Fiber End. , 0, , .		1