Yi-Wu Quan

List of Publications by Year in descending order

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ΥΙ-ΜΠΟΠΑΝ

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Strong CPL of achiral AIE-active dyes induced by supramolecular self-assembly in chiral nematic liquid crystals (AIE-N*-LCs). Chemical Communications, 2019, 55, 5179-5182. | 4.1 | 109 |
| 2 | High Brightness Circularly Polarized Organic Light-Emitting Diodes Based on Nondoped Aggregation-Induced Emission (AIE)-Active Chiral Binaphthyl Emitters. Organic Letters, 2019, 21, 439-443. | 4.6 | 101 |
| 3 | Dual resonance energy transfer in triple-component polymer dots to enhance electrochemiluminescence for highly sensitive bioanalysis. Chemical Science, 2019, 10, 6815-6820. | 7.4 | 92 |
| 4 | Aggregation-induced circularly polarized luminescence of an (R)-binaphthyl-based AIE-active chiral conjugated polymer with self-assembled helical nanofibers. Polymer Chemistry, 2015, 6, 2416-2422. | 3.9 | 91 |
| 5 | Circularly Polarized Electroluminescence of Thermally Activated Delayed Fluorescence-Active Chiral Binaphthyl-Based Luminogens. ACS Applied Materials & Interfaces, 2019, 11, 26165-26173. | 8.0 | 90 |
| 6 | Strong Aggregationâ€Induced CPL Response Promoted by Chiral Emissive Nematic Liquid Crystals (N*â€LCs). Chemistry - A European Journal, 2018, 24, 12607-12612. | 3.3 | 85 |
| 7 | Donor–Acceptor Conjugated Polymer Dots for Tunable Electrochemiluminescence Activated by Aggregation-Induced Emission-Active Moieties. Journal of Physical Chemistry Letters, 2018, 9, 5296-5302. | 4.6 | 83 |
| 8 | Self-Healable and Reprocessable Polysulfide Sealants Prepared from Liquid Polysulfide Oligomer and Epoxy Resin. ACS Applied Materials & Interfaces, 2017, 9, 15798-15808. | 8.0 | 78 |
| 9 | DOX Loaded Aggregation-induced Emission Active Polymeric Nanoparticles as a Fluorescence Resonance Energy Transfer Traceable Drug Delivery System for Self-indicating Cancer Therapy. Acta Biomaterialia, 2019, 85, 218-228. | 8.3 | 72 |
| 10 | Doping-free circularly polarized electroluminescence of AIE-active chiral binaphthyl-based polymers. Chemical Communications, 2018, 54, 9663-9666. | 4.1 | 70 |
| 11 | Self-healing, reprocessing and sealing abilities of polysulfide-based polyurethane. Polymer, 2018, 151, 27-33. | 3.8 | 69 |
| 12 | Electrochemiluminescent resonance energy transfer of polymer dots for aptasensing. Biosensors and Bioelectronics, 2018, 100, 28-34. | 10.1 | 67 |
| 13 | The amplified circularly polarized luminescence regulated from D–A type AIE-active chiral emitters <i>via</i> liquid crystals system. Chemical Communications, 2020, 56, 1117-1120. | 4.1 | 58 |
| 14 | Ultrastrong Red Circularly Polarized Luminescence Promoted from Chiral Transfer and Intermolecular FA¶rster Resonance Energy Transfer in Ternary Chiral Emissive Nematic Liquid Crystals. Journal of Physical Chemistry Letters, 2021, 12, 598-603. | 4.6 | 58 |
| 15 | Fluorescence Study of Chiral βâ€Ketoiminateâ€Based Newly Synthesized Boron Hybrid Polymers. Macromolecular Chemistry and Physics, 2014, 215, 358-364. | 2.2 | 50 |
| 16 | Strong CPL of achiral liquid crystal fluorescent polymer <i>via</i> the regulation of AIE-active chiral dopant. Chemical Communications, 2020, 56, 12829-12832. | 4.1 | 48 |
| 17 | Circularly polarized luminescence based chirality transfer of the chiral BINOL moiety via rigid ï€-conjugation chain backbone structures. Polymer Chemistry, 2017, 8, 1555-1561. | 3.9 | 45 |
| 18 | Amplified Circularly Polarized Electroluminescence Behavior Triggered by Helical Nanofibers from Chiral Coâ€assembly Polymers. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 44 |

YI-WU QUAN

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|----|--|------|-----------|
| 19 | Color-tunable AIE-active conjugated polymer nanoparticles as drug carriers for self-indicating cancer therapy <i>via</i> intramolecular FRET mechanism. Polymer Chemistry, 2018, 9, 3205-3214. | 3.9 | 43 |
| 20 | Inverted Circularly Polarized Luminescence Behavior Induced by Helical Nanofibers through Chiral Co-Assembly from Achiral Liquid Crystal Polymers and Chiral Inducers. ACS Nano, 2022, 16, 3173-3181. | 14.6 | 42 |
| 21 | Strong circularly polarized electroluminescence based on chiral salen-Zn(<scp>ii</scp>) complex monomer chromophores. Materials Chemistry Frontiers, 2019, 3, 867-873. | 5.9 | 41 |
| 22 | Recyclable CPL switch regulated by using an applied DC electric field from chiral nematic liquid crystals (N*-LCs). Materials Chemistry Frontiers, 2020, 4, 2954-2961. | 5.9 | 41 |
| 23 | High brightness circularly polarized blue emission from non-doped OLEDs based on chiral binaphthyl-pyrene emitters. Chemical Communications, 2019, 55, 9845-9848. | 4.1 | 39 |
| 24 | Trace Ir(III) complex enhanced electrochemiluminescence of AIE-active Pdots in aqueous media. Science China Chemistry, 2020, 63, 715-721. | 8.2 | 34 |
| 25 | Reversal aggregation-induced circular dichroism from axial chirality transfer via self-assembled helical nanowires. RSC Advances, 2017, 7, 15851-15856. | 3.6 | 33 |
| 26 | Aggregation-Induced Electrochemiluminescence of Conjugated Pdots Containing a Trace Ir(III) Complex: Insights into Structure–Property Relationships. ACS Applied Materials & Interfaces, 2020, 12, 54012-54019. | 8.0 | 33 |
| 27 | Highly Efficient Aggregation-Induced Electrochemiluminescence of Polyfluorene Derivative Nanoparticles Containing Tetraphenylethylene. IScience, 2020, 23, 100774. | 4.1 | 30 |
| 28 | Fullâ€Color and White Circularly Polarized Luminescence Promoted by Liquid Crystal Selfâ€Assembly Containing Chiral Naphthalimide Dyes. Advanced Optical Materials, 2021, 9, 2100961. | 7.3 | 30 |
| 29 | A photosensitive-type CPL response controlled by intermolecular dynamic FRET and chiral transfer in ternary chiral emissive nematic liquid crystals. Journal of Materials Chemistry C, 2021, 9, 12590-12595. | 5.5 | 30 |
| 30 | High brightness circularly polarized electroluminescence from conjugated polymer F8BT induced by chiral binaphthyl-pyrene. Journal of Materials Chemistry C, 2020, 8, 15669-15676. | 5.5 | 27 |
| 31 | High Green Brightness Circularly Polarized Electroluminescence Regulated by Rigid Chiral D-A Type Emitters. Journal of Physical Chemistry C, 2019, 123, 24746-24753. | 3.1 | 26 |
| 32 | Tunable AICPL of (<i>S</i>)â€Binaphthylâ€Based Three omponent Polymers via FRET Mechanism. Macromolecular Rapid Communications, 2017, 38, 1700150. | 3.9 | 24 |
| 33 | Solutionâ€Processed White Circularly Polarized Organic Lightâ€Emitting Diodes Based on Chiral Binaphthyl Emitters. Chemistry - A European Journal, 2021, 27, 589-593. | 3.3 | 24 |
| 34 | Circularly polarized electroluminescence from an achiral fluorophore induced by co-assembly with chiral polymers. Journal of Materials Chemistry C, 2021, 9, 12141-12147. | 5.5 | 24 |
| 35 | A universal solution-processable bipolar host based on triphenylamine and pyridine for efficient phosphorescent and thermally activated delayed fluorescence OLEDs. Journal of Luminescence, 2018, 199, 465-474. | 3.1 | 22 |
| 36 | Controllable Circularly Polarized Electroluminescence Performance Improved by the Dihedral Angle of Chiral-Bridged Binaphthyl-Type Dopant Inducers. ACS Applied Materials & 2021, 11, 55420-55427. | 8.0 | 22 |

YI-WU QUAN

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|----|--|------|-----------|
| 37 | Dynamic Circularly Polarized Luminescence with Tunable Handedness and Intensity Enabled by Achiral Dichroic Dyes in Cholesteric Liquid Crystal Medium. Advanced Materials, 2022, 34, e2202309. | 21.0 | 22 |
| 38 | Amplified electrochemiluminescence signals promoted by the AIE-active moiety of D–A type polymer dots for biosensing. Analyst, The, 2020, 145, 233-239. | 3.5 | 20 |
| 39 | Modification of polysulfide sealant with polysulfide polythioâ€urethaneâ€urea. Journal of Applied Polymer Science, 2007, 106, 2599-2604. | 2.6 | 18 |
| 40 | Effect of filler on the compression set, compression stress–strain behavior, and mechanical properties of polysulfide sealants. Journal of Applied Polymer Science, 2011, 120, 2001-2007. | 2.6 | 18 |
| 41 | A solution-processable triphenylamine-fluorene host for exciplex based white phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2014, 2, 9754-9759. | 5.5 | 18 |
| 42 | A rhodamine derivative as a highly sensitive chemosensor for iron(<scp>iii</scp>). RSC Advances, 2014, 4, 39984-39990. | 3.6 | 18 |
| 43 | Strongâ€Induced CPL Emission Promoted from Achiral Conjugated Polymerâ€Containing Emissive Nematic Liquid Crystals (Pâ€N*â€LCs). Macromolecular Rapid Communications, 2021, 42, e2000548. | 3.9 | 18 |
| 44 | Improved mechanical properties of ATBN-toughened epoxy networks by controlling the phase separation scale. Journal of Adhesion Science and Technology, 2016, 30, 642-652. | 2.6 | 17 |
| 45 | Standard White CPâ€OLEDs Performance Achieved by Intramolecular Chirality Transfer Mechanism through Polymer Chain. Advanced Optical Materials, 2022, 10, . | 7.3 | 16 |
| 46 | The structural and mechanical properties of polysulfide-based polyurea. Polymer International, 2003, 52, 1925-1929. | 3.1 | 15 |
| 47 | Deep Blue Circularly Polarized Luminescence Response Behavior of an Achiral Pyrene-Based Emitter Regulated by Chiral Co-assembly Helical Nanofibers. Journal of Physical Chemistry Letters, 2021, 12, 3767-3772. | 4.6 | 15 |
| 48 | Compression set property and stress–strain behavior during compression of polysulfide sealants. Journal of Applied Polymer Science, 2010, 115, 1718-1723. | 2.6 | 14 |
| 49 | Amplified Circularly Polarized Electroluminescence Behavior Triggered by Helical Nanofibers from Chiral Coâ€assembly Polymers. Angewandte Chemie, 0, , . | 2.0 | 14 |
| 50 | Chiral sensing of Eu(III)â€containing achiral polymer complex from chiral amino acids coordination induction. Journal of Polymer Science Part A, 2014, 52, 3080-3086. | 2.3 | 13 |
| 51 | A bipolar macrospirocyclic oligomer based on triphenylamine and 4,5-diazafluorene as a solution-processable host for blue phosphorescent organic light-emitting diodes. Dyes and Pigments, 2016, 134, 348-357. | 3.7 | 13 |
| 52 | Structure and oil-resistant properties of HTPB-based polyurea modified with polysulfide. Journal of Applied Polymer Science, 2003, 89, 2672-2675. | 2.6 | 12 |
| 53 | The investigation on the curing process of polysulfide sealant by <i>in situ</i> dielectric analysis. Journal of Applied Polymer Science, 2012, 126, 1725-1732. | 2.6 | 12 |
| 54 | A Macrospirocyclic Carbazole–Fluorene Oligomer as a Solution-Processable Matrix Host Material for Blue Phosphorescent Organic Light-Emitting Diodes with Low Turn-On Voltage and Efficiency Roll-Off. Journal of Physical Chemistry C, 2017, 121, 8692-8702. | 3.1 | 11 |

YI-WU QUAN

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|----|---|-----|-----------|
| 55 | The amplified circularly polarized luminescence emission response of chiral 1,1′â€binaphtholâ€based polymers via Zn(II)â€coordination fluorescence enhancement. Journal of Polymer Science Part A, 2018, 56, 1282-1288. | 2.3 | 11 |
| 56 | Aromatic amineâ€ŧerminated polysulfide oligomer: Synthesis and application in selfâ€healable polyurea. Journal of Polymer Science Part A, 2019, 57, 1460-1466. | 2.3 | 11 |
| 57 | 3D Monodisperse Oligofluorenes with Nonâ€Conjugated Triphenylamineâ€Based Cores: Synthesis and Optoelectronic Properties. European Journal of Organic Chemistry, 2010, 2010, 2295-2303. | 2.4 | 10 |
| 58 | The effect of epoxy resin to reduce the compression set of polysulfide sealant. Journal of Applied Polymer Science, 2012, 125, 390-395. | 2.6 | 10 |
| 59 | A novel lowâ€bandgap conjugated polymer based on Ru(II) bis(acetylide) complex and BODIPY moieties. Journal of Polymer Science Part A, 2014, 52, 1686-1692. | 2.3 | 10 |
| 60 | Pyreneâ€functionalized oligofluorenes as nonâ€doped deep blue emitters for solutionâ€processed organic lightâ€emitting diodes. Journal of Polymer Science Part A, 2016, 54, 795-801. | 2.3 | 8 |
| 61 | Prompt modification of styreneâ€butadiene rubber surface with trichloroisocyanuric acid by increasing chlorination temperature. Journal of Applied Polymer Science, 2012, 124, 661-668. | 2.6 | 7 |
| 62 | â€~Click'-BINOL based chiral ionic polymers for highly enantioselective recognition of tryptophan anions. Polymer Chemistry, 2014, 5, 5218. | 3.9 | 6 |
| 63 | Evaluation of thermoplastic polyolefin materials for the hard shed of composite insulators. Journal of Applied Polymer Science, 2020, 137, 49080. | 2.6 | 6 |
| 64 | Structure, mechanical properties, and gas permeability of elastomers based on polybutadiene and epoxy resin. Journal of Applied Polymer Science, 2010, 117, 2366-2372. | 2.6 | 4 |
| 65 | A macrocyclic oligoelectrolyte as a facial platform for absorbing hyaluronic acid oligomers for targeted cancer cellular imaging. Polymer Chemistry, 2015, 6, 5295-5304. | 3.9 | 4 |
| 66 | The effect of urea bond on structure and properties of toughened epoxy resins. Journal of Applied Polymer Science, 2010, 118, 2195-2201. | 2.6 | 2 |
| 67 | Strong CPL-active liquid crystal materials induced by intermolecular hydrogen-bonding interaction and a chirality induction mechanism. Soft Matter, 2022, 18, 477-481. | 2.7 | 2 |
| 68 | Synthesis of 4-vinyl benzyl tetra-coordinate silicate monomer. Polymer Bulletin, 2007, 59, 235-242. | 3.3 | 1 |
| 69 | Designing Self-Sustainable Icephobic Layer by Introducing a Lubricating Un-Freezable Water Hydrogel from Sodium Polyacrylate on the Polyolefin Surface. Polymers, 2021, 13, 1126. | 4.5 | 1 |
| 70 | Effects of chlorinated polypropylene based-adhesives on the bonding performance of an epoxy core rod and polyolefin sheath for composite insulators. International Journal of Adhesion and Adhesives, 2021, 110, 102954. | 2.9 | 1 |
| 71 | Effect of morphology development on the lowâ€ŧemperature tensile properties of PP / POE blends. Journal of Applied Polymer Science, 0, , 52192. | 2.6 | 1 |