## Yi-Wu Quan

List of Publications by Year in descending order

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ΥΙ-ΜΙΙ ΟΠΑΝ

| #  | Article                                                                                                                                                                                                                                                  | IF   | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | 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         |
| 2  | Inverted Circularly Polarized Luminescence Behavior Induced by Helical Nanofibers through Chiral<br>Co-Assembly from Achiral Liquid Crystal Polymers and Chiral Inducers. ACS Nano, 2022, 16, 3173-3181.                                                 | 14.6 | 42        |
| 3  | Amplified Circularly Polarized Electroluminescence Behavior Triggered by Helical Nanofibers from Chiral Coâ€assembly Polymers. Angewandte Chemie - International Edition, 2022, 61, .                                                                    | 13.8 | 44        |
| 4  | Dynamic Circularly Polarized Luminescence with Tunable Handedness and Intensity Enabled by Achiral<br>Dichroic Dyes in Cholesteric Liquid Crystal Medium. Advanced Materials, 2022, 34, e2202309.                                                        | 21.0 | 22        |
| 5  | Standard White CPâ€OLEDs Performance Achieved by Intramolecular Chirality Transfer Mechanism through Polymer Chain. Advanced Optical Materials, 2022, 10, .                                                                                              | 7.3  | 16        |
| 6  | Strongâ€Induced CPL Emission Promoted from Achiral Conjugated Polymerâ€Containing Emissive Nematic<br>Liquid Crystals (Pâ€N*â€LCs). Macromolecular Rapid Communications, 2021, 42, e2000548.                                                             | 3.9  | 18        |
| 7  | Solutionâ€Processed White Circularly Polarized Organic Lightâ€Emitting Diodes Based on Chiral<br>Binaphthyl Emitters. Chemistry - A European Journal, 2021, 27, 589-593.                                                                                 | 3.3  | 24        |
| 8  | 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        |
| 9  | 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         |
| 10 | Deep Blue Circularly Polarized Luminescence Response Behavior of an Achiral Pyrene-Based Emitter<br>Regulated by Chiral Co-assembly Helical Nanofibers. Journal of Physical Chemistry Letters, 2021, 12,<br>3767-3772.                                   | 4.6  | 15        |
| 11 | Fullâ€Color and White Circularly Polarized Luminescence Promoted by Liquid Crystal Selfâ€Assembly<br>Containing Chiral Naphthalimide Dyes. Advanced Optical Materials, 2021, 9, 2100961.                                                                 | 7.3  | 30        |
| 12 | 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         |
| 13 | 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        |
| 14 | Ultrastrong Red Circularly Polarized Luminescence Promoted from Chiral Transfer and<br>Intermolecular Förster Resonance Energy Transfer in Ternary Chiral Emissive Nematic Liquid Crystals.<br>Journal of Physical Chemistry Letters, 2021, 12, 598-603. | 4.6  | 58        |
| 15 | Controllable Circularly Polarized Electroluminescence Performance Improved by the Dihedral Angle<br>of Chiral-Bridged Binaphthyl-Type Dopant Inducers. ACS Applied Materials & Interfaces, 2021, 13,<br>55420-55427.                                     | 8.0  | 22        |
| 16 | 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        |
| 17 | Highly Efficient Aggregation-Induced Electrochemiluminescence of Polyfluorene Derivative Nanoparticles Containing Tetraphenylethylene. IScience, 2020, 23, 100774.                                                                                       | 4.1  | 30        |
| 18 | The amplified circularly polarized luminescence regulated from D–A type AIE-active chiral emitters<br><i>via</i> liquid crystals system. Chemical Communications, 2020, 56, 1117-1120.                                                                   | 4.1  | 58        |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | Recyclable CPL switch regulated by using an applied DC electric field from chiral nematic liquid<br>crystals (N*-LCs). Materials Chemistry Frontiers, 2020, 4, 2954-2961.                                                          | 5.9 | 41        |
| 22 | Evaluation of thermoplastic polyolefin materials for the hard shed of composite insulators. Journal of Applied Polymer Science, 2020, 137, 49080.                                                                                  | 2.6 | 6         |
| 23 | Trace Ir(III) complex enhanced electrochemiluminescence of AIE-active Pdots in aqueous media. Science<br>China Chemistry, 2020, 63, 715-721.                                                                                       | 8.2 | 34        |
| 24 | Aggregation-Induced Electrochemiluminescence of Conjugated Pdots Containing a Trace Ir(III)<br>Complex: Insights into Structure–Property Relationships. ACS Applied Materials & Interfaces, 2020,<br>12, 54012-54019.              | 8.0 | 33        |
| 25 | 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        |
| 26 | High Green Brightness Circularly Polarized Electroluminescence Regulated by Rigid Chiral D-A Type<br>Emitters. Journal of Physical Chemistry C, 2019, 123, 24746-24753.                                                            | 3.1 | 26        |
| 27 | Circularly Polarized Electroluminescence of Thermally Activated Delayed Fluorescence-Active Chiral<br>Binaphthyl-Based Luminogens. ACS Applied Materials & Interfaces, 2019, 11, 26165-26173.                                      | 8.0 | 90        |
| 28 | Dual resonance energy transfer in triple-component polymer dots to enhance<br>electrochemiluminescence for highly sensitive bioanalysis. Chemical Science, 2019, 10, 6815-6820.                                                    | 7.4 | 92        |
| 29 | Aromatic amineâ€terminated polysulfide oligomer: Synthesis and application in selfâ€healable polyurea.<br>Journal of Polymer Science Part A, 2019, 57, 1460-1466.                                                                  | 2.3 | 11        |
| 30 | 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        |
| 31 | 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       |
| 32 | High Brightness Circularly Polarized Organic Light-Emitting Diodes Based on Nondoped<br>Aggregation-Induced Emission (AIE)-Active Chiral Binaphthyl Emitters. Organic Letters, 2019, 21, 439-443.                                  | 4.6 | 101       |
| 33 | DOX Loaded Aggregation-induced Emission Active Polymeric Nanoparticles as a Fluorescence<br>Resonance Energy Transfer Traceable Drug Delivery System for Self-indicating Cancer Therapy. Acta<br>Biomaterialia, 2019, 85, 218-228. | 8.3 | 72        |
| 34 | The amplified circularly polarized luminescence emission response of chiral 1,1′â€binaphtholâ€based<br>polymers via Zn(II)â€coordination fluorescence enhancement. Journal of Polymer Science Part A, 2018,<br>56, 1282-1288.      | 2.3 | 11        |
| 35 | 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        |
| 36 | A universal solution-processable bipolar host based on triphenylamine and pyridine for efficient<br>phosphorescent and thermally activated delayed fluorescence OLEDs. Journal of Luminescence, 2018,<br>199. 465-474.             | 3.1 | 22        |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Electrochemiluminescent resonance energy transfer of polymer dots for aptasensing. Biosensors and<br>Bioelectronics, 2018, 100, 28-34.                                                                                                                             | 10.1 | 67        |
| 38 | Donor–Acceptor Conjugated Polymer Dots for Tunable Electrochemiluminescence Activated by<br>Aggregation-Induced Emission-Active Moieties. Journal of Physical Chemistry Letters, 2018, 9, 5296-5302.                                                               | 4.6  | 83        |
| 39 | Strong Aggregationâ€Induced CPL Response Promoted by Chiral Emissive Nematic Liquid Crystals (N*â€LCs).<br>Chemistry - A European Journal, 2018, 24, 12607-12612.                                                                                                  | 3.3  | 85        |
| 40 | Doping-free circularly polarized electroluminescence of AIE-active chiral binaphthyl-based polymers.<br>Chemical Communications, 2018, 54, 9663-9666.                                                                                                              | 4.1  | 70        |
| 41 | Self-healing, reprocessing and sealing abilities of polysulfide-based polyurethane. Polymer, 2018, 151, 27-33.                                                                                                                                                     | 3.8  | 69        |
| 42 | Circularly polarized luminescence based chirality transfer of the chiral BINOL moiety via rigid<br>Ï€-conjugation chain backbone structures. Polymer Chemistry, 2017, 8, 1555-1561.                                                                                | 3.9  | 45        |
| 43 | Reversal aggregation-induced circular dichroism from axial chirality transfer via self-assembled helical nanowires. RSC Advances, 2017, 7, 15851-15856.                                                                                                            | 3.6  | 33        |
| 44 | 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        |
| 45 | Tunable AICPL of ( <i>S</i> )â€Binaphthylâ€Based Threeâ€Component Polymers via FRET Mechanism.<br>Macromolecular Rapid Communications, 2017, 38, 1700150.                                                                                                          | 3.9  | 24        |
| 46 | A Macrospirocyclic Carbazole–Fluorene Oligomer as a Solution-Processable Matrix Host Material for<br>Blue Phosphorescent Organic Light-Emitting Diodes with Low Turn-On Voltage and Efficiency<br>Roll-Off. Journal of Physical Chemistry C, 2017, 121, 8692-8702. | 3.1  | 11        |
| 47 | 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        |
| 48 | Pyreneâ€functionalized oligofluorenes as nonâ€doped deep blue emitters for solutionâ€processed organic<br>lightâ€emitting diodes. Journal of Polymer Science Part A, 2016, 54, 795-801.                                                                            | 2.3  | 8         |
| 49 | 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        |
| 50 | 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        |
| 51 | 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         |
| 52 | Fluorescence Study of Chiral βâ€Ketoiminateâ€Based Newly Synthesized Boron Hybrid Polymers.<br>Macromolecular Chemistry and Physics, 2014, 215, 358-364.                                                                                                           | 2.2  | 50        |
| 53 | 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        |
| 54 | 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        |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | A rhodamine derivative as a highly sensitive chemosensor for iron( <scp>iii</scp> ). RSC Advances, 2014,<br>4, 39984-39990.                                                                | 3.6 | 18        |
| 56 | â€~Click'-BINOL based chiral ionic polymers for highly enantioselective recognition of tryptophan<br>anions. Polymer Chemistry, 2014, 5, 5218.                                             | 3.9 | 6         |
| 57 | A novel lowâ€bandgap conjugated polymer based on Ru(II) bis(acetylide) complex and BODIPY moieties.<br>Journal of Polymer Science Part A, 2014, 52, 1686-1692.                             | 2.3 | 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 | The investigation on the curing process of polysulfide sealant by <i>in situ</i> dielectric analysis.<br>Journal of Applied Polymer Science, 2012, 126, 1725-1732.                         | 2.6 | 12        |
| 60 | 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         |
| 61 | 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        |
| 62 | 3D Monodisperse Oligofluorenes with Nonâ€Conjugated Triphenylamineâ€Based Cores: Synthesis and<br>Optoelectronic Properties. European Journal of Organic Chemistry, 2010, 2010, 2295-2303. | 2.4 | 10        |
| 63 | Compression set property and stress–strain behavior during compression of polysulfide sealants.<br>Journal of Applied Polymer Science, 2010, 115, 1718-1723.                               | 2.6 | 14        |
| 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 | The effect of urea bond on structure and properties of toughened epoxy resins. Journal of Applied<br>Polymer Science, 2010, 118, 2195-2201.                                                | 2.6 | 2         |
| 66 | Modification of polysulfide sealant with polysulfide polythioâ€urethaneâ€urea. Journal of Applied<br>Polymer Science, 2007, 106, 2599-2604.                                                | 2.6 | 18        |
| 67 | Synthesis of 4-vinyl benzyl tetra-coordinate silicate monomer. Polymer Bulletin, 2007, 59, 235-242.                                                                                        | 3.3 | 1         |
| 68 | Structure and oil-resistant properties of HTPB-based polyurea modified with polysulfide. Journal of Applied Polymer Science, 2003, 89, 2672-2675.                                          | 2.6 | 12        |
| 69 | The structural and mechanical properties of polysulfide-based polyurea. Polymer International, 2003, 52, 1925-1929.                                                                        | 3.1 | 15        |
| 70 | Effect of morphology development on the lowâ€ŧemperature tensile properties of PP / POE blends.<br>Journal of Applied Polymer Science, 0, , 52192.                                         | 2.6 | 1         |
| 71 | Amplified Circularly Polarized Electroluminescence Behavior Triggered by Helical Nanofibers from Chiral Coâ€assembly Polymers. Angewandte Chemie, 0, , .                                   | 2.0 | 14        |