

Jian-yong Hu

List of Publications by Year in descending order

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49
papers

1,911
citations

304743

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254184

43
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all docs

56
docs citations

56
times ranked

2551
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Polarity change of OFETs based on Dithienocoronene Diimide (DTCDI)-Derived isomeric triads end-capped with Azulene. <i>Dyes and Pigments</i> , 2022, 203, 110311. | 3.7 | 4 |
| 2 | Blue-emitting butterfly-shaped donor-acceptor-type 1,3,5,9-tetraarylpyrenes: easily available, low-cost conventional fluorophores for high-performance near ultraviolet electroluminescence with CIE _y < 0.05. <i>Journal of Materials Chemistry C</i> , 2021, 9, 260-269. | 5.5 | 9 |
| 3 | Dithienocoronene diimide (DTCDI)-derived triads for high-performance air-stable, solution-processed balanced ambipolar organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16357-16365. | 2.8 | 2 |
| 4 | New Quinoxaline-Based Blue Emitters: Molecular Structures, Aggregation-Induced Enhanced Emission Characteristics and OLED Application. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2154-2162. | 4.9 | 31 |
| 5 | End-Capping π -Conjugated Naphthodithiophene Diimide (NDTI)-Based Triads with Noncovalent Intramolecular S \cdots A \cdots O Interactions: A Route towards High-Performance Solution-Processable Air-Stable n-Type Semiconductors. <i>ACS Applied Electronic Materials</i> , 2021, 3, 5573-5583. | 4.3 | 4 |
| 6 | New pyrene-based butterfly-shaped blue AIEgens: Synthesis, structure, aggregation-induced emission and their nondoped blue OLEDs. <i>Dyes and Pigments</i> , 2020, 173, 107881. | 3.7 | 43 |
| 7 | 1,3,5,9-Tetra(4-(1,2,2-triphenylvinyl)phenyl)pyrene (TTPE(1,3,5,9)Py): a prominent blue AIEgen for highly efficient nondoped pure-blue OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 17450-17456. | 5.5 | 18 |
| 8 | Diphenylamine/triazine hybrids as bipolar hosts for phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4461-4468. | 5.5 | 14 |
| 9 | Two Isomeric Azulene-Decorated Naphthodithiophene Diimide-based Triads: Molecular Orbital Distribution Controls Polarity Change of OFETs Through Connection Position. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23225-23235. | 8.0 | 21 |
| 10 | Exploring a Fused 2-(Thiophen-2-yl)thieno[3,2- <i>b</i>]thiophene (T-TT) Building Block to Construct n-Type Polymer for High-Performance All-Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42412-42419. | 8.0 | 13 |
| 11 | Highly efficient electroluminescence from evaporation- and solution-processable orange-red thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12321-12327. | 5.5 | 31 |
| 12 | A universal host material with a simple structure for monochrome and white phosphorescent/TADF OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 558-566. | 5.5 | 39 |
| 13 | Arylacetylene end capped naphthodithiophene diimide (NDTI)-based semiconductors for air-stable, solution-processed n-channel organic field-effect transistors: Effect of terminal aryl groups on charge transport. <i>Dyes and Pigments</i> , 2019, 169, 7-14. | 3.7 | 7 |
| 14 | Design and Synthesis of a Novel n-Type Polymer Based on Asymmetric Rylene Diimide for the Application in All-Polymer Solar Cells. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1700715. | 3.9 | 27 |
| 15 | Synthesis and Optical Properties of Donor-Acceptor-Type 1,3,5,9-Tetraarylpyrenes: Controlling Intramolecular Charge-Transfer Pathways by the Change of π -Conjugation Directions for Emission Color Modulations. <i>ACS Omega</i> , 2018, 3, 5866-5875. | 3.5 | 20 |
| 16 | Recent progress in porphyrin-based materials for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16769-16797. | 10.3 | 215 |
| 17 | Hybrid host materials for highly efficient electrophosphorescence and thermally activated delayed fluorescence independent of the linkage mode. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5177-5184. | 2.8 | 12 |
| 18 | Solution Coating of Superior Large-Area Flexible Perovskite Thin Films with Controlled Crystal Packing. <i>Advanced Optical Materials</i> , 2017, 5, 1700102. | 7.3 | 34 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Versatile Donor- π -Acceptor-Type Aggregation-Enhanced Emission Active Fluorophores as Both Highly Efficient Nondoped Emitter and Excellent Host. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32946-32956. | 8.0 | 40 |
| 20 | Functionalization of Pyrene To Prepare Luminescent Materials—Typical Examples of Synthetic Methodology. <i>Chemistry - A European Journal</i> , 2016, 22, 11898-11916. | 3.3 | 202 |
| 21 | Influence of substituent position on thermal properties, photoluminescence and morphology of pyrene-fluorene derivatives. <i>Journal of Molecular Structure</i> , 2015, 1086, 216-222. | 3.6 | 18 |
| 22 | Naphthodithiophenediimide (NDTI)-based triads for high-performance air-stable, solution-processed ambipolar organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4244-4249. | 5.5 | 36 |
| 23 | Regioselective Substitution at the 1,3- and 6,8-Positions of Pyrene for the Construction of Small Dipolar Molecules. <i>Journal of Organic Chemistry</i> , 2015, 80, 10973-10978. | 3.2 | 36 |
| 24 | Iron(III) bromide catalyzed bromination of 2-tert-butylpyrene and corresponding position-dependent aryl-functionalized pyrene derivatives. <i>RSC Advances</i> , 2015, 5, 8835-8848. | 3.6 | 17 |
| 25 | Bisanthracene-Based Donor-Acceptor-Type Light-Emitting Dopants: Highly Efficient Deep-Blue Emission in Organic Light-Emitting Devices. <i>Advanced Functional Materials</i> , 2014, 24, 2064-2071. | 14.9 | 278 |
| 26 | Synthesis and fluorescence emission properties of 1,3,6,8-tetraarylpyrenes. <i>Journal of Molecular Structure</i> , 2013, 1047, 194-203. | 3.6 | 13 |
| 27 | Synthesis, Structural, and Photophysical Properties of the First Member of the Class of Pyrene-Based [4]Helicenes. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5829-5837. | 2.4 | 13 |
| 28 | Naphthodithiophenediimide (NDTI): Synthesis, Structure, and Applications. <i>Journal of the American Chemical Society</i> , 2013, 135, 11445-11448. | 13.7 | 172 |
| 29 | Synthesis, structural and spectral properties of diarylamino-functionalized pyrene derivatives via Buchwald-Hartwig amination reaction. <i>Journal of Molecular Structure</i> , 2013, 1035, 19-26. | 3.6 | 22 |
| 30 | Synthesis, crystal structure and photophysical properties of 5-mono- and 5,9-bis-(arylethynyl)-functionalized pyrenes. <i>Journal of Luminescence</i> , 2013, 141, 111-120. | 3.1 | 6 |
| 31 | Synthesis and photophysical properties of novel butterfly-shaped blue emitters based on pyrene. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 8366. | 2.8 | 29 |
| 32 | Blue-Emitting Butterfly-Shaped 1,3,5,9-Tetraarylpyrenes: Synthesis, Crystal Structures, and Photophysical Properties. <i>Organic Letters</i> , 2013, 15, 1318-1321. | 4.6 | 53 |
| 33 | Pyrene-cored blue-light emitting [4]helicenes: synthesis, crystal structures, and photophysical properties. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2186. | 2.8 | 46 |
| 34 | An Efficient Approach to the Synthesis of Novel Pyrene-Fused Azaacenes. <i>Organic Letters</i> , 2013, 15, 3594-3597. | 4.6 | 48 |
| 35 | Excimer-emitting single molecules with stacked π -conjugated groups covalently linked at the 1,8-positions of naphthalene for highly efficient blue and green OLEDs. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3871. | 5.5 | 55 |
| 36 | Highly emissive hand-shaped π -conjugated alkynylpyrenes: Synthesis, structures, and photophysical properties. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2255. | 2.8 | 30 |

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|----|---|-----|-----------|
| 37 | Pyrene-Based Y-shaped Solid-State Blue Emitters: Synthesis, Characterization, and Photoluminescence. Chemistry - an Asian Journal, 2012, 7, 2854-2863. | 3.3 | 46 |
| 38 | A single-molecule excimer-emitting compound for highly efficient fluorescent organic light-emitting devices. Chemical Communications, 2012, 48, 8434. | 4.1 | 53 |
| 39 | Synthesis and Photophysical Properties of Pyrene-Based Light-Emitting Monomers: Highly Pure Blue-Fluorescent, Cruciform-Shaped Architectures. European Journal of Organic Chemistry, 2010, 2010, 72-79. | 2.4 | 78 |
| 40 | Synthesis and Fluorescence Emission Properties of 1,3,6,8-Tetrakis(9H-Fluoren-2-yl)Pyrene Derivative. Journal of Chemical Research, 2010, 34, 278-282. | 1.3 | 8 |
| 41 | Synthesis and Spectral Properties of 2,7-di- <i>tert</i> -butyl-4,9-bis(arylethynyl)-and 4,10-bis(arylethynyl)pyrenes. Journal of Chemical Research, 2009, 2009, 109-113. | 1.3 | 7 |
| 42 | Synthesis and Conformational Studies of 2,11-Dithia[3]Metacyclo-[3](1,3)Pyrenophanes: The Ring Current Interactions Derived from Pyrene Ring. Journal of Chemical Research, 2008, 2008, 731-734. | 1.3 | 2 |
| 43 | Synthesis and Structural Properties of Novel Polycyclic Aromatic Compounds using Photo-Induced Cyclisation of 2,7-di- <i>tert</i> -butyl-4-(phenylethenyl)pyrenes. Journal of Chemical Research, 2008, 2008, 457-460. | 1.3 | 9 |
| 44 | Electrophilic Aromatic Substitution of 7- <i>f</i> -butyl-1,3-dimethylpyrene: Preparation of 5-mono- and 5,9-di-substituted 7- <i>f</i> -butyl-1,3-dimethylpyrenes. Journal of Chemical Research, 2008, 2008, 308-311. | 1.3 | 7 |
| 45 | Perfluorinated Sulfonic acid Resin (Nafion-H) catalysed Ritter reaction of Benzyl Alcohols. Journal of Chemical Research, 2007, 2007, 641-643. | 1.3 | 18 |
| 46 | Medium-size Cyclophanes, 77. ¹ Synthesis and addition of Bromine to <i>syn</i> -[2. <i>n</i>]meta-cyclophan-1-enes. Journal of Chemical Research, 2007, 2007, 621-625. | 1.3 | 4 |
| 47 | Perfluorinated sulfonic acid resin (Nafion-H) catalysed <i>trans</i> - <i>t</i> -butylation of 7- <i>t</i> -butyl-1,3-disubstituted pyrenes; a new route for the preparation of 1,3-disubstituted pyrenes. Journal of Chemical Research, 2006, 2006, 762-765. | 1.3 | 10 |
| 48 | Synthesis and Photophysical Properties of Pyrene-Based Multiply Conjugated Shaped Light-Emitting Architectures: Toward Efficient Organic-Light-Emitting Diodes. , 0, , . | | 2 |
| 49 | Color-tunable emission from violet-blue to pure-blue based on 5,9-disubstituted pyrene derivatives <i>via</i> engineering of aryl-side groups. Journal of Materials Chemistry C, 0, , . | 5.5 | 9 |