

Jian-yong Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5361960/publications.pdf>

Version: 2024-02-01

49
papers

1,911
citations

304743

22
h-index

254184

43
g-index

56
all docs

56
docs citations

56
times ranked

2551
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Recent progress in porphyrin-based materials for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16769-16797.	10.3	215
3	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
4	Naphthodithiophenediimide (NDTI): Synthesis, Structure, and Applications. <i>Journal of the American Chemical Society</i> , 2013, 135, 11445-11448.	13.7	172
5	Synthesis and Photophysical Properties of Pyrene-Based Light-Emitting Monomers: Highly Pure-Blue-Fluorescent, Cruciform-Shaped Architectures. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 72-79.	2.4	78
6	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
7	A single-molecule excimer-emitting compound for highly efficient fluorescent organic light-emitting devices. <i>Chemical Communications</i> , 2012, 48, 8434.	4.1	53
8	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
9	An Efficient Approach to the Synthesis of Novel Pyrene-Fused Azaacenes. <i>Organic Letters</i> , 2013, 15, 3594-3597.	4.6	48
10	Pyrene-Based Y-Shaped Solid-State Blue Emitters: Synthesis, Characterization, and Photoluminescence. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2854-2863.	3.3	46
11	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
12	New pyrene-based butterfly-shaped blue LEDs: Synthesis, structure, aggregation-induced emission and their nondoped blue OLEDs. <i>Dyes and Pigments</i> , 2020, 173, 107881.	3.7	43
13	Versatile Donor-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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	New Quinoxaline-Based Blue Emitters: Molecular Structures, Aggregation-Induced Enhanced Emission Characteristics and OLED Application. Chinese Journal of Chemistry, 2021, 39, 2154-2162.	4.9	31
20	Highly emissive hand-shaped π -conjugated alkynylpyrenes: Synthesis, structures, and photophysical properties. Organic and Biomolecular Chemistry, 2012, 10, 2255.	2.8	30
21	Synthesis and photophysical properties of novel butterfly-shaped blue emitters based on pyrene. Organic and Biomolecular Chemistry, 2013, 11, 8366.	2.8	29
22	Design and Synthesis of a Novel n-Type Polymer Based on Asymmetric Rylene Diimide for the Application in All-Polymer Solar Cells. Macromolecular Rapid Communications, 2018, 39, e1700715.	3.9	27
23	Synthesis, structural and spectral properties of diarylamino-functionalized pyrene derivatives via Buchwald-Hartwig amination reaction. Journal of Molecular Structure, 2013, 1035, 19-26.	3.6	22
24	Two Isomeric Azulene-Decorated Naphthodithiophene Diimide-based Triads: Molecular Orbital Distribution Controls Polarity Change of OFETs Through Connection Position. ACS Applied Materials & Interfaces, 2020, 12, 23225-23235.	8.0	21
25	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. ACS Omega, 2018, 3, 5866-5875.	3.5	20
26	Perfluorinated Sulfonic acid Resin (Nafion-H) catalysed Ritter reaction of Benzyl Alcohols. Journal of Chemical Research, 2007, 2007, 641-643.	1.3	18
27	Influence of substituent position on thermal properties, photoluminescence and morphology of pyrene-fluorene derivatives. Journal of Molecular Structure, 2015, 1086, 216-222.	3.6	18
28	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. Journal of Materials Chemistry C, 2020, 8, 17450-17456.	5.5	18
29	Iron(III) bromide catalyzed bromination of 2-tert-butylpyrene and corresponding position-dependent aryl-functionalized pyrene derivatives. RSC Advances, 2015, 5, 8835-8848.	3.6	17
30	Diphenylamine/triazine hybrids as bipolar hosts for phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2020, 8, 4461-4468.	5.5	14
31	Synthesis and fluorescence emission properties of 1,3,6,8-tetraarylpyrenes. Journal of Molecular Structure, 2013, 1047, 194-203.	3.6	13
32	Synthesis, Structural, and Photophysical Properties of the First Member of the Class of Pyrene-Based [4]Helicenes. European Journal of Organic Chemistry, 2013, 2013, 5829-5837.	2.4	13
33	Exploring a Fused 2-(Thiophen-2-yl)thieno[3,2-b]thiophene (T-TT) Building Block to Construct n-Type Polymer for High-Performance All-Polymer Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 42412-42419.	8.0	13
34	Hybrid host materials for highly efficient electrophosphorescence and thermally activated delayed fluorescence independent of the linkage mode. Physical Chemistry Chemical Physics, 2017, 19, 5177-5184.	2.8	12
35	Perfluorinated sulfonic acid resin (Nafion-H) catalysed <i>trans</i> -butylation of 7- <i>tert</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
36	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

#	ARTICLE	IF	CITATIONS
37	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. Journal of Materials Chemistry C, 2021, 9, 260-269.	5.5	9
38	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
39	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
40	Electrophilic Aromatic Substitution of 7-f-butyl-1,3-dimethylpyrene: Preparation of 5-mono- and 5,9-di-substituted 7-f-butyl-1,3-dimethylpyrenes. Journal of Chemical Research, 2008, 2008, 308-311.	1.3	7
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	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. Dyes and Pigments, 2019, 169, 7-14.	3.7	7
43	Synthesis, crystal structure and photophysical properties of 5-mono- and 5,9-bis-(arylethynyl)-functionalized pyrenes. Journal of Luminescence, 2013, 141, 111-120.	3.1	6
44	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
45	End-Capping π -Conjugated Naphthodithiophene Diimide (NDTI)-Based Triads with Noncovalent Intramolecular S \cdots O Interactions: A Route towards High-Performance Solution-Processable Air-Stable n-Type Semiconductors. ACS Applied Electronic Materials, 2021, 3, 5573-5583.	4.3	4
46	Polarity change of OFETs based on Dithienocoronene Diimide (DTCDI)-Derived isomeric triads end-capped with Azulene. Dyes and Pigments, 2022, 203, 110311.	3.7	4
47	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
48	Dithienocoronene diimide (DTCDI)-derived triads for high-performance air-stable, solution-processed balanced ambipolar organic field-effect transistors. Physical Chemistry Chemical Physics, 2021, 23, 16357-16365.	2.8	2
49	Synthesis and Photophysical Properties of Pyrene-Based Multiply Conjugated Shaped Light-Emitting Architectures: Toward Efficient Organic-Light-Emitting Diodes. , 0, , .		2