Shi-Yong Liu

List of Publications by Year
in descending order

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47 papers	1,549 citations	361413 20 h-index	302126 39 g-index
49 all docs	49 docs citations	49 times ranked	1715 citing authors

#	Article	IF	Citations
1	2D Conductive Metalâ€“Organic Frameworks: An Emerging Platform for Electrochemical Energy Storage. Angewandte Chemie - International Edition, 2021, 60, 5612-5624.	13.8	198
2	Câ€“H activation: making diketopyrrolopyrrole derivatives easily accessible. Journal of Materials Chemistry A, 2013, 1, 2795.	10.3	118
3	Emerging frontiers of Z-scheme photocatalytic systems. Trends in Chemistry, 2022, 4, 111-127.	8.5	100
4	Donorâ€Acceptor Type Covalent Organic Frameworks. Chemistry - A European Journal, 2021, 27, 10781-10797.	3.3	90
5	Exfoliated conjugated porous polymer nanosheets for highly efficient photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2021, 9, 5787-5795.	10.3	81
6	A Tetraperylene Diimides Based 3D Nonfullerene Acceptor for Efficient Organic Photovoltaics. Advanced Science, 2015, 2, 1500014.	11.2	79
7	Pd/C as a Clean and Effective Heterogeneous Catalyst for Câ€“C Couplings toward Highly Pure Semiconducting Polymers. Macromolecules, 2012, 45, 9004-9009.	4.8	73
8	Câ€“H activation derived CPPs for photocatalytic hydrogen production excellently accelerated by a DMF cosolvent. Journal of Materials Chemistry A, 2019, 7, 24222-24230.	10.3	73
9	Achieving an unprecedented hydrogen evolution rate by solvent-exfoliated CPP-based photocatalysts. Journal of Materials Chemistry A, 2020, 8, 5890-5899.	10.3	72
10	Pyrene and Diketopyrrolopyrrole-Based Oligomers Synthesized via Direct Arylation for OSC Applications. ACS Applied Materials & Interfaces, 2014, 6, 6765-6775.	8.0	68
11	Electron acceptors with varied linkages between perylene diimide and benzotrithiophene for efficient fullerene-free solar cells. Journal of Materials Chemistry A, 2017, 5, 9396-9401.	10.3	60
12	EDOT-based conjugated polymers accessed <i>via</i> Câ€“H direct arylation for efficient photocatalytic hydrogen production. Chemical Science, 2022, 13, 1725-1733.	7.4	58
13	Diketopyrrolopyrrole-based oligomers accessed via sequential C H activated coupling for fullerene-free organic photovoltaics. Dyes and Pigments, 2016, 134, 139-147.	3.7	49
14	2D Conductive Metalâ€“Organic Frameworks: An Emerging Platform for Electrochemical Energy Storage. Angewandte Chemie, 2021, 133, 5672-5684.	2.0	45
15	Roll-coating fabrication of flexible large area small molecule solar cells with power conversion efficiency exceeding 1%. Journal of Materials Chemistry A, 2014, 2, 19809-19814.	10.3	44
16	One-step rapid synthesis of Ï€-conjugated large oligomers <i>via</i> Câ€“H activation coupling. Organic Chemistry Frontiers, 2018, 5, 653-661.	4.5	39
17	Three-dimensional molecular donors combined with polymeric acceptors for high performance fullerene-free organic photovoltaic devices. Journal of Materials Chemistry A, 2015, 3, 22162-22169.	10.3	33
18	A direct arylation-derived DPP-based small molecule for solution-processed organic solar cells. Nanotechnology, 2014, 25, 014006.	2.6	30

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19	Dodecylsulfate Anion Embedded Layered Double Hydroxide Supported Nanopalladium Catalyst for the Suzuki Reaction. Chinese Journal of Catalysis, 2010, 31, 557-561.	14.0	27
20	Heck reaction catalyzed by colloids of delaminated Pd-containing layered double hydroxide. Journal of Molecular Catalysis A, 2008, 290, 72-78.	4.8	20
21	Water Soluble Starch Stabilized Palladium Nanoparticle: Efficient Catalyst for Miyauraâ€•Suzuki Coupling Reaction. Chinese Journal of Chemistry, 2010, 28, 589-593.	4.9	18
22	Atom- and step-economic synthesis of Ï€-conjugated large oligomers via C H activated oligomerization. Dyes and Pigments, 2019, 162, 640-646.	3.7	18
23	Pot- and atom-economic synthesis of oligomeric non-fullerene acceptors <i>via</i> Câ€"H direct arylation. Polymer Chemistry, 2022, 13, 2351-2361.	3.9	18
24	A-D-A small molecule donors based on pyrene and diketopyrrolopyrrole for organic solar cells. Science China Chemistry, 2017, 60, 561-569.	8.2	15
25	Single-step access to a series of Dâ€"A Ï€-conjugated oligomers with 3â€"10 nm chain lengths. Polymer Chemistry, 2019, 10, 325-330.	3.9	15
26	Câˆ'H Direct Arylation: A Robust Tool to Tailor the Ï€â€•Conjugation Lengths of Nonâ€•Fullerene Acceptors. ChemSusChem, 2022, 15, .	6.8	14
27	<scp>Oneâ€•Pot</scp> Synthesis of 3â€•to <scp>15â€•Mer Ï€â€•Conjugated</scp> Discrete Oligomers with Widely Tunable Optical Properties. Chinese Journal of Chemistry, 2021, 39, 577-584.	4.9	12
28	Novel Diketopyrrolopyrrole-Based Ï€-Conjugated Molecules Synthesized Via One-Pot Direct Arylation Reaction. Molecules, 2019, 24, 1760.	3.8	11
29	<i>In situ</i> Câ€"H activation-derived polymer@TiO₂ pâ€"n heterojunction for photocatalytic hydrogen evolution. Sustainable Energy and Fuels, 2021, 5, 5166-5174.	4.9	11
30	Nanoporous and nonporous conjugated donorâ€"acceptor polymer semiconductors for photocatalytic hydrogen production. Beilstein Journal of Nanotechnology, 2021, 12, 607-623.	2.8	9
31	In situ chemical formation of iron phthalocyanine (FePc) monolayer on the surface of magnetite nanoparticles. New Journal of Chemistry, 2007, 31, 916.	2.8	8
32	Modulating Chlorination Position on Polymer Donors for Highly Efficient Nonfullerene Organic Solar Cells. Solar Rrl, 2021, 5, 2100510.	5.8	8
33	One-pot synthesis of long-chain monodisperse Ï€-conjugated oligomers terminated by Câ€"H or Câ€"Br bonds. Dyes and Pigments, 2020, 172, 107819.	3.7	7
34	Synthesis, Characterization, and Crystal Structures of Two Dioxovanadium(V) Complexes with Schiff Bases. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2011, 41, 22-25.	0.6	6
35	Hole Transfer Prompted by Viscous Oligomer Solid Additives in Non-Fullerene Bulk-Heterojunction Layers. ACS Applied Polymer Materials, 2022, 4, 1940-1947.	4.4	6
36	Diketopyrrolopyrrole and perylene diimine-based large Ï€-molecules constructed via Câ€"H direct arylation. Dyes and Pigments, 2022, 204, 110468.	3.7	5

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37	Synthesis and Crystal Structures of Dioxovanadium Complexes With Schiff Bases. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2012, 42, 603-607.	0.6	3
38	One-pot synthesis of cyclopentadithiophene-isoindigo based low bandgap long-chain Ï€-conjugated oligomers. Materials Today Communications, 2020, 22, 100850.	1.9	3
39	Crystal structure of NÂ´-(5-bromo-2-hydroxy-3-methoxybenzylidene)-4-hydroxy-3-methoxybenzohydrazide dihydrate, C16H15BrN2O5Â·2H2O, C16H19BrN2O7. Zeitschrift Fur Kristallographie - New Crystal Structures, 2012, 227, 467-468.	0.3	1
40	Hydrogen-Bond Influenced Synthesis and Crystal Structures of (4-Chloro-2-[(2-dimethylaminoethylimino)methyl] phenolato)dioxovanadium(V) and Bis(2-[(2-aminoethylimino)methyl]-4-bromophenolato) dioxovanadium(V). Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2013, 43, 734-738.	0.6	1
41	Photovoltaics: A Tetraperylene Diimides Based 3D Nonfullerene Acceptor for Efficient Organic Photovoltaics (Adv. Sci. 4/2015). Advanced Science, 2015, 2, .	11.2	1
42	Hydrogen Bond-Induced Assembly and Crystal Structures of Two Oxovanadium Complexes with Schiff Bases. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2011, 41, 1148-1152.	0.6	0
43	Crystal structure of NÂ´-(3-hydroxybenzylidene)-4-dimethylamino benzohydrazide, C16H17N3O2. Zeitschrift Fur Kristallographie - New Crystal Structures, 2012, 227, 465-466.	0.3	0
44	Crystal structure of NÂ´-(5-bromo-2-hydroxy-3-methoxybenzylidene)-2- methoxybenzohydrazide monohydrate, C16H15BrN2O4Â·H2O, C16H17BrN2O5. Zeitschrift Fur Kristallographie - New Crystal Structures, 2012, 227, 469-470.	0.3	0
45	Crystal structure of [NÂ´-(2-hydroxynaphthyl)ethylidene]-4-dimethyl aminobenzohydrazide, C21H21N3O2. Zeitschrift Fur Kristallographie - New Crystal Structures, 2012, 227, 491-492.	0.3	0
46	Frontispiece: Donorâ€Acceptor Type Covalent Organic Frameworks. Chemistry - A European Journal, 2021, 27, .	3.3	0
47	Crystal structure of NÂ´-(2-methoxynaphthylidene)-4-dimethylamino benzohydrazide, C21H21N3O2. Zeitschrift Fur Kristallographie - New Crystal Structures, 2012, 227, 463-464.	0.3	0