

# Jun-Min Liu

## List of Publications by Year in descending order

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94  
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96  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Z-Scheme Heterojunction Catalysts Constructed by Graphitic-C <sub>3</sub> N <sub>4</sub> and Photosensitive Metal-Organic Cages for Efficient Photocatalytic Hydrogen Evolution. <i>Nanomaterials</i> , 2022, 12, 890.	1.9	3
2	Controllable Visible-Light-Driven Syngas Evolution by a Ternary Titania Hybrid Sacrificial System with a Photosensitive Metal-Organic Pd <sup>II</sup> Cage and Re <sup>I</sup> Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8254-8264.	3.2	7
3	Direct Z-scheme photochemical hybrid systems: Loading porphyrin-based metal-organic cages on graphitic-C <sub>3</sub> N <sub>4</sub> to dramatically enhance photocatalytic hydrogen evolution. <i>Chinese Journal of Catalysis</i> , 2022, 43, 2249-2258.	6.9	16
4	Constructing Heterogeneous Direct Z-Scheme Photocatalysts Based on Metal-Organic Cages and Graphitic-C <sub>3</sub> N <sub>4</sub> for High-Efficiency Photocatalytic Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 25960-25971.	4.0	29
5	A Robust Photocatalytic Hybrid Material Composed of Metal-Organic Cages and TiO <sub>2</sub> for Efficient Visible-Light-Driven Hydrogen Evolution. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2055-2062.	1.7	6
6	Robust Heterogeneous Photocatalyst for Visible-Light-Driven Hydrogen Evolution Promotion: Immobilization of a Fluorescein Dye-Encapsulated Metal-Organic Cage on TiO <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 57230-57240.	4.0	7
7	Enhanced Visible-Light-Driven H <sub>2</sub> Evolution Activity of g-C <sub>3</sub> N <sub>4</sub> Photocatalysts via Calix[4]arene Dye Hybridization. <i>ACS Applied Energy Materials</i> , 2021, 4, 14415-14424.	2.5	4
8	Bias-Free Photoelectrochemical Water Splitting Cells Constructed by Calixarene Dyes and Molecular Ru Catalysts via Pyridyl Anchoring Groups. <i>ACS Applied Energy Materials</i> , 2021, 4, 14671-14680.	2.5	4
9	Photocatalysts for H <sub>2</sub> Generation from Starburst Triphenylamine/Carbazole Donor-Free Metal-Free Dyes and Porous Anatase TiO <sub>2</sub> Cube. <i>ChemSusChem</i> , 2020, 13, 1037-1043.	3.6	14
10	Application of Novel Calix[4]arene Metal-free Sensitizers in Dye-sensitized Photoelectrochemical Cells for Water Splitting. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 1091-1096.	1.3	5
11	Photocatalytic H <sub>2</sub> Production from Water by Metal-free Dye-sensitized TiO <sub>2</sub> Semiconductors: The Role and Development Process of Organic Sensitizers. <i>ChemSusChem</i> , 2020, 13, 5863-5895.	3.6	57
12	Porous Hybrid Materials Based on Mesotetrakis(Hydroxyphenyl) Porphyrins and TiO <sub>2</sub> for Efficient Visible-Light-Driven Hydrogen Production. <i>Catalysts</i> , 2020, 10, 656.	1.6	12
13	Design of an alkaline pyridyl acceptor-based calix[4]arene dye and synthesis of stable calixarene-TiO <sub>2</sub> porous hybrid materials for efficient photocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8883-8891.	5.2	24
14	Immobilization of metal-organic molecular cage on g-C <sub>3</sub> N <sub>4</sub> semiconductor for enhancement of photocatalytic H <sub>2</sub> generation. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1198-1204.	6.9	15
15	A porous hybrid material based on calixarene dye and TiO <sub>2</sub> demonstrating high and stable photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19852-19861.	5.2	35
16	Facile synthesis of porous hybrid materials based on Calix-3 dye and TiO <sub>2</sub> for high photocatalytic water splitting performance with excellent stability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2993-2999.	5.2	27
17	Cage Based Crystalline Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 3843-3848.	6.6	84
18	Porphyrin-based imine gels for enhanced visible-light photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3195-3201.	5.2	36

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19	Interface engineering of perovskite solar cells with multifunctional polymer interlayer toward improved performance and stability. <i>Journal of Power Sources</i> , 2018, 378, 483-490.	4.0	51
20	Porous Organic Polymer from Aggregation-Induced Emission Macrocyclic for White-Light Emission. <i>Macromolecules</i> , 2018, 51, 7863-7871.	2.2	24
21	Bridging Chiral <i>tert</i> -Butylcalix[4]arenes: Diastereomeric Crystallization-Based Optical Resolution and Determination of Absolute Configuration. <i>ChemistrySelect</i> , 2018, 3, 10153-10156.	0.7	7
22	Networked Cages for Enhanced CO <sub>2</sub> Capture and Sensing. <i>Advanced Science</i> , 2018, 5, 1800141.	5.6	65
23	A fluorescent calixarene-based dimeric capsule constructed via a M <sup>II</sup> -terpyridine interaction: cage structure, inclusion properties and drug release. <i>RSC Advances</i> , 2018, 8, 22530-22535.	1.7	18
24	Calix[4]arene based dye-sensitized Pt@UiO-66-NH <sub>2</sub> metal-organic framework for efficient visible-light photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 426-433.	10.8	117
25	Regio- and Enantioselective Photodimerization within the Confined Space of a Homochiral Ruthenium/Palladium Heterometallic Coordination Cage. <i>Angewandte Chemie</i> , 2017, 129, 3910-3914.	1.6	42
26	Regio- and Enantioselective Photodimerization within the Confined Space of a Homochiral Ruthenium/Palladium Heterometallic Coordination Cage. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3852-3856.	7.2	162
27	Molecular Barrel by a Hooping Strategy: Synthesis, Structure, and Selective CO <sub>2</sub> Adsorption Facilitated by Lone Pair-π Interactions. <i>Journal of the American Chemical Society</i> , 2017, 139, 635-638.	6.6	62
28	A multifunctional poly-N-vinylcarbazole interlayer in perovskite solar cells for high stability and efficiency: a test with new triazatruxene-based hole transporting materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1913-1918.	5.2	83
29	Synthesis of a linearly linked triscalixarene consisting of calix[4]arene units with combined axial chirality and inherent chirality. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2017, 89, 91-104.	0.9	0
30	A triptycene-based two-dimensional porous organic polymeric nanosheet. <i>Polymer Chemistry</i> , 2017, 8, 5533-5538.	1.9	32
31	Bridging Chiral Calix[4]arenes: Description, Optical Resolution, and Absolute Configuration Determination. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1012-1016.	1.2	12
32	Undulated 2D Covalent Organic Frameworks Based on Bowl-Shaped Cyclotricatechylene. <i>Chinese Journal of Chemistry</i> , 2016, 34, 783-787.	2.6	13
33	Hydrophobic Hole-Transporting Materials Incorporating Multiple Thiophene Cores with Long Alkyl Chains for Efficient Perovskite Solar Cells. <i>Electrochimica Acta</i> , 2016, 209, 529-540.	2.6	29
34	An Approach to Optically Pure Bridging Chiral <i>p</i> - <i>tert</i> -Butylcalix[4]arenes through a Homologous Anionic Ortho-Fries Rearrangement. <i>Journal of Organic Chemistry</i> , 2016, 81, 10683-10687.	1.7	11
35	Microporous Polymers from a Carbazole-Based Triptycene Monomer: Synthesis and Their Applications for Gas Uptake. <i>Chemistry - an Asian Journal</i> , 2016, 11, 294-298.	1.7	36
36	Highly crystalline covalent organic frameworks from flexible building blocks. <i>Chemical Communications</i> , 2016, 52, 4706-4709.	2.2	83

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37	Preparation of a series of aCTV-based covalent organic frameworks and substituent effects on their properties. CrystEngComm, 2016, 18, 1039-1045.	1.3	12
38	Synthesis and properties of organic microporous polymers from the monomer of hexaphenylbenzene based triptycene. Polymer, 2016, 82, 100-104.	1.8	32
39	Stable organic dyes based on the benzo[1,2-b:4,5-b <sup>2</sup> ]dithiophene donor for efficient dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 8083-8090.	5.2	30
40	Synthesis, fluorescence, and sorption properties of cobalt coordination polymers of the N,N <sup>2</sup> -bis(4-pyridylmethyl)naphthalene diimide ligand. Transition Metal Chemistry, 2015, 40, 691-697.	0.7	6
41	Performance Improvement for Dye-sensitized Solar Cells with Cone-calix[4]arene Based Dyes. ChemSusChem, 2015, 8, 197-197.	3.6	0
42	Highly efficient and stable cyclometalated ruthenium(II) complexes as sensitizers for dye-sensitized solar cells. Electrochimica Acta, 2015, 174, 494-501.	2.6	24
43	Multichromophoric di-anchoring sensitizers incorporating a ruthenium complex and an organic triphenyl amine dye for efficient dye-sensitized solar cells. Inorganic Chemistry Frontiers, 2015, 2, 1040-1044.	3.0	7
44	Triazatruxene based covalent organic framework and its quick-response fluorescence-on nature towards electron rich arenes. Journal of Materials Chemistry C, 2015, 3, 10066-10069.	2.7	103
45	Triptycene-Based Hyper-Cross-Linked Polymer Sponge for Gas Storage and Water Treatment. Macromolecules, 2015, 48, 8509-8514.	2.2	178
46	Novel carbazole based sensitizers for efficient dye-sensitized solar cells: Role of the hexyl chain. Dyes and Pigments, 2015, 114, 18-23.	2.0	21
47	Dye-sensitized Solar Cells with Improved Performance using Cone-calix[4]Arene Based Dyes. ChemSusChem, 2015, 8, 280-287.	3.6	24
48	Qualitative Analysis of the Helical Electronic Energy of Inherently Chiral Calix[4]arenes: An Approach to Effectively Assign Their Absolute Configuration. International Journal of Molecular Sciences, 2014, 15, 9844-9858.	1.8	1
49	Influence of the selective EDTA derivative phenyldiaminetetraacetic acid on the speciation and extraction of heavy metals from a contaminated soil. Chemosphere, 2014, 109, 1-6.	4.2	32
50	Novel organic dyes incorporating a carbazole or dendritic 3,6-diiodocarbazole unit for efficient dye-sensitized solar cells. Dyes and Pigments, 2014, 100, 269-277.	2.0	32
51	Thermally/hydrolytically stable covalent organic frameworks from a rigid macrocyclic host. Chemical Communications, 2014, 50, 788-791.	2.2	67
52	Fluorescent calix[4]arene chemosensor for acidic and basic amino acids in pure aqueous media. RSC Advances, 2014, 4, 28046-28051.	1.7	9
53	Triptycene-based microporous polyimides: Synthesis and their high selectivity for CO <sub>2</sub> capture. Polymer, 2014, 55, 3642-3647.	1.8	55
54	Highly efficient and stable organic sensitizers with duplex starburst triphenylamine and carbazole donors for liquid and quasi-solid-state dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 8988-8994.	5.2	84

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55	Chelant extraction of heavy metals from contaminated soils using new selective EDTA derivatives. <i>Journal of Hazardous Materials</i> , 2013, 262, 464-471.	6.5	57
56	Synthesis and properties of triptycene-based microporous polymers. <i>Polymer</i> , 2013, 54, 6942-6946.	1.8	31
57	Novel phenanthroline-based ruthenium complexes for dye-sensitized solar cells: enhancement in performance through fluoro-substitution. <i>RSC Advances</i> , 2013, 3, 19311.	1.7	12
58	Starburst triarylamine based dyes bearing a 3,4-ethylenedioxythiophene linker for efficient dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11909.	1.3	26
59	A CdSO <sub>4</sub> -Type 3D Metal-Organic Framework Showing Coordination Dynamics on Cu <sup>2+</sup> Axial Sites: Vapochromic Response and Guest Sorption Selectivity. <i>Crystal Growth and Design</i> , 2013, 13, 1518-1525.	1.4	26
60	Conjugated Porous Networks Based on Cyclotrimeratrylene Building Block for Hydrogen Adsorption. <i>Chinese Journal of Chemistry</i> , 2013, 31, 617-623.	2.6	8
61	Ruthenium dyes with heteroleptic tridentate 2,6-bis(benzimidazol-2-yl)-pyridine for dye-sensitized solar cells: Enhancement in performance through structural modifications. <i>Inorganica Chimica Acta</i> , 2012, 392, 388-395.	1.2	15
62	Anion effect on the structural diversity of three 1D coordination polymers based on a pyridyl diimide ligand. <i>CrystEngComm</i> , 2012, 14, 2152.	1.3	40
63	Construction of 0D to 3D cadmium complexes from different pyridyl diimide ligands. <i>Dalton Transactions</i> , 2012, 41, 4626.	1.6	46
64	Simultaneous extraction of Cr(VI) and Cu(II) from humic acid with new synthesized EDTA derivatives. <i>Chemosphere</i> , 2012, 88, 730-735.	4.2	12
65	Highly selective fluorescent calix[4]arene chemosensor for acidic amino acids in pure aqueous media. <i>Tetrahedron Letters</i> , 2012, 53, 2918-2921.	0.7	14
66	Synthesis of inherently chiral wide rim ABC substituted calix[6]arene derivatives. <i>Supramolecular Chemistry</i> , 2011, 23, 419-424.	1.5	2
67	Structural Diversity of a Series of Mn(II), Cd(II), and Co(II) Complexes with Pyridine Donor Diimide Ligands. <i>Crystal Growth and Design</i> , 2011, 11, 2763-2772.	1.4	84
68	Effect of Hydrocarbon Chain Length of Disubstituted Triphenyl-amine-Based Organic Dyes on Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22002-22008.	1.5	59
69	Hydrothermal Fabrication of Quasi-One-Dimensional Single-Crystalline Anatase TiO <sub>2</sub> Nanostructures on FTO Glass and Their Applications in Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2011, 17, 1352-1357.	1.7	46
70	Inherently Chiral Calixarenes: Synthesis, Optical Resolution, Chiral Recognition and Asymmetric Catalysis. <i>International Journal of Molecular Sciences</i> , 2011, 12, 429-455.	1.8	92
71	Assembly of Robust and Porous Hydrogen-Bonded Coordination Frameworks: Isomorphism, Polymorphism, and Selective Adsorption. <i>Inorganic Chemistry</i> , 2010, 49, 10166-10173.	1.9	64
72	Pd <sub>2</sub> L <sub>2</sub> metallacycles as molecular containers for small molecules. <i>Dalton Transactions</i> , 2010, 39, 11171.	1.6	22

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73	Synthesis of terpyridine-substituted calix[n]arenes. <i>Tetrahedron Letters</i> , 2009, 50, 1303-1306.	0.7	11
74	One-step synthesis of inherently chiral p-tert-butylcalix[4]azacrown. <i>Chinese Chemical Letters</i> , 2009, 20, 640-642.	4.8	1
75	A fluorescent probe for fluoride ion based on 2-aminopyridyl-bridged calix[6]arene. <i>Chinese Chemical Letters</i> , 2009, 20, 1191-1194.	4.8	4
76	Two-Dimensional Layered Metal - Organic Frameworks of Lanthanum(III) Pyridine-2,6-dicarboxylate. <i>Australian Journal of Chemistry</i> , 2009, 62, 1667.	0.5	5
77	Assembly of a 1D Coordination Polymer through in Situ Formation of a New Ligand by Double C-C Coupling on CHCl <sub>3</sub> under Solvothermal Conditions. <i>Inorganic Chemistry</i> , 2009, 48, 8659-8661.	1.9	49
78	Calix[4]arene based selective fluorescent chemosensor for organic acid recognition. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 348-352.	0.4	4
79	Preparation, Characterization and Electrocatalytic Properties of Promoted PtMoSi/C Catalysts. <i>Acta Physico-chimica Sinica</i> , 2007, 23, 92-97.	0.6	6
80	Preparation of High Performance Pt/CNT Catalysts Stabilized by Ethylenediaminetetraacetic Acid Disodium Salt. <i>Fuel Cells</i> , 2007, 7, 402-407.	1.5	28
81	Selectively formylated and bridged calix[6]arene derivatives at the upper rim. <i>Tetrahedron</i> , 2007, 63, 9939-9946.	1.0	6
82	Determination of fluoride by an ion chromatography system using the preconcentration on nanometer-size zirconia. <i>Journal of Analytical Chemistry</i> , 2007, 62, 583-587.	0.4	16
83	MNi <sub>4.8</sub> Sn <sub>0.2</sub> (M=La, Nd)-supported multi-walled carbon nanotube composites as hydrogen storage materials. <i>Science Bulletin</i> , 2007, 52, 1616-1622.	1.7	2
84	Preparation, characterization and catalytic activity of Zr embedded MSU-V with high thermal and hydrothermal stability. <i>Microporous and Mesoporous Materials</i> , 2006, 95, 306-311.	2.2	19
85	Preparation of visible-light responsive N-F-codoped TiO <sub>2</sub> photocatalyst by a gel-solvothermal method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 282-288.	2.0	203
86	Highly selective fluorescent sensing of Pb <sup>2+</sup> by a new calix[4]arene derivative. <i>Tetrahedron Letters</i> , 2006, 47, 1905-1908.	0.7	41
87	Hydrogen storage of multiwalled carbon nanotubes coated with Pd-Ni nanoparticles under moderate conditions. <i>Science Bulletin</i> , 2006, 51, 2959-2963.	1.7	17
88	The Design of a Highly Selective Fluorescent Chemosensor for Cu(II) within Wide pH Region and a Molecular Switch Controlled by pH. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005, 51, 165-171.	1.6	9
89	A selective fluorescent probe for La <sup>3+</sup> and Y <sup>3+</sup> based on calix[6]arene. <i>Tetrahedron Letters</i> , 2004, 45, 6071-6074.	0.7	18
90	Configurations of a Calix[8]arene and a C <sub>60</sub> /Calix[8]arene Complex on a Au(111) Surface. <i>Angewandte Chemie</i> , 2003, 115, 2853-2857.	1.6	20

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91	Configurations of a Calix[8]arene and a C60/Calix[8]arene Complex on a Au(111) Surface. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2747-2751.	7.2	103
92	Adlayer Structures of Calixarenes on Au(111) Surface Studied with STM. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13111-13116.	1.2	17
93	Macrocyclic, linear and starlike assemblies of calix[4]arenes covalently bridged by methylenes at the upper rims: simple route to novel receptors with defined polycavities. <i>Tetrahedron</i> , 2002, 58, 3729-3736.	1.0	11
94	A new fluorescent chemosensor for Fe <sup>3+</sup> and Cu <sup>2+</sup> based on calix[4]arene. <i>Tetrahedron Letters</i> , 2002, 43, 9209-9212.	0.7	119