

Liuyi Li

List of Publications by Year in descending order

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51
papers

3,337
citations

159573

30
h-index

197805

49
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59
all docs

59
docs citations

59
times ranked

3997
citing authors

#	ARTICLE	IF	CITATIONS
1	A Covalent Organic Framework Bearing Single Ni Sites as a Synergistic Photocatalyst for Selective Photoreduction of CO ₂ to CO. <i>Journal of the American Chemical Society</i> , 2019, 141, 7615-7621.	13.7	525
2	Covalent Triazine-Based Frameworks as Visible Light Photocatalysts for the Splitting of Water. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1799-1805.	3.9	239
3	Sulfur-doped covalent triazine-based frameworks for enhanced photocatalytic hydrogen evolution from water under visible light. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12402-12406.	10.3	194
4	Facile Fabrication of Ultrafine Palladium Nanoparticles with Size- and Location-Control in Click-Based Porous Organic Polymers. <i>ACS Nano</i> , 2014, 8, 5352-5364.	14.6	147
5	Covalent organic frameworks with lithiophilic and sulfiphilic dual linkages for cooperative affinity to polysulfides in lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2018, 12, 252-259.	18.0	117
6	A covalent organic framework bearing thioether pendant arms for selective detection and recovery of Au from ultra-low concentration aqueous solution. <i>Chemical Communications</i> , 2018, 54, 9977-9980.	4.1	114
7	A Covalent Triazine-Based Framework Consisting of Donor-Acceptor Dyads for Visible-Light-Driven Photocatalytic CO ₂ Reduction. <i>ChemSusChem</i> , 2019, 12, 4493-4499.	6.8	110
8	A palladium chelating complex of ionic water-soluble nitrogen-containing ligand: the efficient precatalyst for Suzuki-Miyaura reaction in water. <i>Green Chemistry</i> , 2011, 13, 2100.	9.0	106
9	Tailorable Synthesis of Porous Organic Polymers Decorating Ultrafine Palladium Nanoparticles for Hydrogenation of Olefins. <i>ACS Catalysis</i> , 2015, 5, 948-955.	11.2	99
10	Development and photocatalytic mechanism of monolayer Bi ₂ MoO ₆ nanosheets for the selective oxidation of benzylic alcohols. <i>Chemical Communications</i> , 2017, 53, 8604-8607.	4.1	91
11	Thioether-Functionalized 2D Covalent Organic Framework Featuring Specific Affinity to Au for Photocatalytic Hydrogen Production from Seawater. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18574-18581.	6.7	91
12	pH-Responsive chelating N-heterocyclic dicarbene palladium(ii) complexes: recoverable precatalysts for Suzuki-Miyaura reaction in pure water. <i>Green Chemistry</i> , 2011, 13, 2071.	9.0	90
13	The cooperation effect in the Au-Pd/LDH for promoting photocatalytic selective oxidation of benzyl alcohol. <i>Catalysis Science and Technology</i> , 2018, 8, 268-275.	4.1	87
14	Well-Defined Metal Nanoparticles@Covalent Organic Framework Yolk-Shell Nanocages by ZIF-8 Template as Catalytic Nanoreactors. <i>Small</i> , 2019, 15, e1804419.	10.0	87
15	Urea-Based Porous Organic Frameworks: Effective Supports for Catalysis in Neat Water. <i>Chemistry - A European Journal</i> , 2014, 20, 3050-3060.	3.3	85
16	Efficient Visible-Light-Driven Photocatalytic Hydrogen Evolution on Phosphorus-Doped Covalent Triazine-Based Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41415-41421.	8.0	82
17	MoS ₂ Quantum Dots-Modified Covalent Triazine-Based Frameworks for Enhanced Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2018, 11, 1108-1113.	6.8	80
18	Integrating single Ni sites into biomimetic networks of covalent organic frameworks for selective photoreduction of CO ₂ . <i>Chemical Science</i> , 2020, 11, 6915-6922.	7.4	78

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19	Heteroatom-doped Carbon Spheres from Hierarchical Hollow Covalent Organic Framework Precursors for Metal-Free Catalysis. <i>ChemSusChem</i> , 2017, 10, 4921-4926.	6.8	75
20	Crystalline Covalent Organic Frameworks with Tailored Linkages for Photocatalytic H ₂ Evolution. <i>ChemSusChem</i> , 2021, 14, 4958-4972.	6.8	56
21	Spatial control of palladium nanoparticles in flexible click-based porous organic polymers for hydrogenation of olefins and nitrobenzene. <i>Nano Research</i> , 2015, 8, 709-721.	10.4	52
22	Shape-Controllable Formation of Poly-imidazolium Salts for Stable Palladium N-Heterocyclic Carbene Polymers. <i>Scientific Reports</i> , 2014, 4, 5478.	3.3	52
23	Highly selective oxidation of furfuryl alcohol over monolayer titanate nanosheet under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 394-403.	20.2	47
24	Constructing a novel family of halogen-doped covalent triazine-based frameworks as efficient metal-free photocatalysts for hydrogen production. <i>Nanoscale Advances</i> , 2019, 1, 2674-2680.	4.6	41
25	Use of Acylhydrazine- and Acylhydrazone-Type Ligands to Promote Cu-Catalyzed C-N Cross-Coupling Reactions of Aryl Bromides with N-Heterocycles. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2692-2696.	2.4	40
26	A Cobalt-Modified Covalent Triazine-Based Framework as an Efficient Cocatalyst for Visible-Light-Driven Photocatalytic CO ₂ Reduction. <i>ChemPlusChem</i> , 2019, 84, 1149-1154.	2.8	40
27	Encapsulation of Co single sites in covalent triazine frameworks for photocatalytic production of syngas. <i>Chinese Journal of Catalysis</i> , 2021, 42, 123-130.	14.0	39
28	One-pot synthesis of secondary amine via photoalkylation of nitroarenes with benzyl alcohol over Pd/monolayer H _{1.07} Ti _{1.73} O ₄ ·H ₂ O nanosheets. <i>Journal of Catalysis</i> , 2018, 361, 105-115.	6.2	37
29	Thin CuO _x -based nanosheets for efficient phenol removal benefitting from structural memory and ion exchange of layered double oxides. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4167-4178.	10.3	34
30	The copper-free Sonogashira cross-coupling reaction promoted by palladium complexes of nitrogen-containing chelating ligands in neat water at room temperature. <i>Dalton Transactions</i> , 2014, 43, 2098-2103.	3.3	32
31	Yolk-Shell-Structured Covalent Organic Frameworks with Encapsulated Metal-Organic Frameworks for Synergistic Catalysis. <i>Chemistry of Materials</i> , 2021, 33, 5690-5699.	6.7	32
32	Donor-Acceptor Pairs in Covalent Organic Frameworks Promoting Electron Transfer for Metal-Free Photocatalytic Organic Synthesis. <i>Langmuir</i> , 2021, 37, 11535-11543.	3.5	32
33	Click Ionic Liquids: A Family of Promising Tunable Solvents and Application in Suzuki-Miyaura Cross-Coupling. <i>Chemistry - A European Journal</i> , 2012, 18, 7842-7851.	3.3	31
34	Click-based porous organic framework containing chelating terdentate units and its application in hydrogenation of olefins. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7502-7508.	10.3	30
35	Synthesis and Crystal Structures of Coordination Complexes Containing Cu ₂ Units and Their Application in Luminescence and Catalysis. <i>ChemPlusChem</i> , 2013, 78, 1491-1502.	2.8	26
36	Rapid water disinfection over a Ag/AgBr/covalent triazine-based framework composite under visible light. <i>Dalton Transactions</i> , 2018, 47, 7077-7082.	3.3	24

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37	A facile in situ growth of CdS quantum dots on covalent triazine-based frameworks for photocatalytic H ₂ production. <i>Journal of Alloys and Compounds</i> , 2020, 833, 155057.	5.5	24
38	Hollow click-based porous organic polymers for heterogenization of [Ru(bpy) ₃] ²⁺ through electrostatic interactions. <i>Nano Research</i> , 2016, 9, 779-786.	10.4	23
39	Facile Synthesis and Tunable Porosities of Imidazolium-Based Ionic Polymers that Contain In Situ Formed Palladium Nanoparticles. <i>ChemCatChem</i> , 2016, 8, 2234-2240.	3.7	19
40	Layered Rare Earth-Organic Framework as Highly Efficient Luminescent Matrix: The Crystal Structure, Optical Spectroscopy, Electronic Transition, and Luminescent Sensing Properties. <i>Crystal Growth and Design</i> , 2019, 19, 4754-4764.	3.0	19
41	One-Pot Fabrication of Pd Nanoparticles@Covalent-Organic-Framework-Derived Hollow Polyamine Spheres as a Synergistic Catalyst for Tandem Catalysis. <i>Chemistry - A European Journal</i> , 2020, 26, 1864-1870.	3.3	18
42	Spherical core-shell magnetic particles constructed by main-chain palladium N-heterocyclic carbenes. <i>Nanoscale</i> , 2015, 7, 3532-3538.	5.6	17
43	Constructing surface synergistic effect in Cu-Cu ₂ O hybrids and monolayer H _{1.4} Ti _{1.65} O ₄ ·H ₂ O nanosheets for selective cinnamyl alcohol oxidation to cinnamaldehyde. <i>Journal of Catalysis</i> , 2019, 370, 461-469.	6.2	17
44	Efficient Copper-Catalyzed Ullmann Reaction of Aryl Bromides with Imidazoles in Water Promoted by a pH-Responsive Ligand. <i>ChemCatChem</i> , 2013, 5, 2978-2982.	3.7	16
45	Water-Soluble Ionic Palladium Complexes: Effect of Pendant Ionic Groups on Palladium Nanoparticles and Suzuki-Miyaura Reaction in Neat Water. <i>ChemPlusChem</i> , 2014, 79, 257-265.	2.8	12
46	Solvent-Induced Facile Synthesis of Cubic, Spherical, and Honeycomb Shape Palladium N-Heterocyclic Carbene Particles and Catalytic Applications in Cyanosilylation. <i>Small</i> , 2015, 11, 3642-3647.	10.0	12
47	Experimental and theoretical study for CO ₂ activation and chemical fixation with epoxides. <i>RSC Advances</i> , 2019, 9, 13122-13127.	3.6	10
48	Hollow Covalent Organic Framework Cages with Zn Ion Implantation Promoting Photocatalytic H ₂ Evolution. <i>ChemCatChem</i> , 2022, 14, .	3.7	6
49	Local charge transfer within a covalent organic framework and Pt nanoparticles promoting interfacial catalysis. <i>Catalysis Science and Technology</i> , 2022, 12, 3240-3246.	4.1	1
50	Macromol. Rapid Commun. 20/2015. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1798-1798.	3.9	0
51	Carbene: Solvent-Induced Facile Synthesis of Cubic, Spherical, and Honeycomb Shape Palladium N-Heterocyclic Carbene Particles and Catalytic Applications in Cyanosilylation (<i>Small</i> 30/2015). <i>Small</i> , 2015, 11, 3641-3641.	10.0	0