Liuyi Li

List of Publications by Citations

52 papers	2,289 citations	27 h-index	47 g-index
59 ext. papers	2,800 ext. citations	8 avg, IF	5.3 L-index

#	Paper	IF	Citations
52	A Covalent Organic Framework Bearing Single Ni Sites as a Synergistic Photocatalyst for Selective Photoreduction of CO to CO. *Journal of the American Chemical Society*, **2019**, 141, 7615-7621	16.4	289
51	Covalent Triazine-Based Frameworks as Visible Light Photocatalysts for the Splitting of Water. *Macromolecular Rapid Communications*, **2015**, 36, 1799-805	4.8	194
50	Sulfur-doped covalent triazine-based frameworks for enhanced photocatalytic hydrogen evolution from water under visible light. *Journal of Materials Chemistry A*, **2016**, 4, 12402-12406	13	147
49	Facile fabrication of ultrafine palladium nanoparticles with size- and location-control in click-based porous organic polymers. *ACS Nano*, **2014**, 8, 5352-64	16.7	122
48	A palladium chelating complex of ionic water-soluble nitrogen-containing ligand: the efficient precatalyst for SuzukiMiyaura reaction in water. *Green Chemistry*, **2011**, 13, 2100	10	100
47	Covalent organic frameworks with lithiophilic and sulfiphilic dual linkages for cooperative affinity to polysulfides in lithium-sulfur batteries. *Energy Storage Materials*, **2018**, 12, 252-259	19.4	84
46	Tailorable Synthesis of Porous Organic Polymers Decorating Ultrafine Palladium Nanoparticles for Hydrogenation of Olefins. *ACS Catalysis*, **2015**, 5, 948-955	13.1	84
45	pH-Responsive chelating N-heterocyclic dicarbene palladium(II) complexes: recoverable precatalysts for SuzukiMiyaura reaction in pure water. *Green Chemistry*, **2011**, 13, 2071	10	82
44	Development and photocatalytic mechanism of monolayer BiMoO nanosheets for the selective oxidation of benzylic alcohols. *Chemical Communications*, **2017**, 53, 8604-8607	5.8	77
43	A covalent organic framework bearing thioether pendant arms for selective detection and recovery of Au from ultra-low concentration aqueous solution. *Chemical Communications*, **2018**, 54, 9977-9980	5.8	74
42	Urea-based porous organic frameworks: effective supports for catalysis in neat water. *Chemistry - A European Journal*, **2014**, 20, 3050-60	4.8	73
41	The cooperation effect in the AuPd/LDH for promoting photocatalytic selective oxidation of benzyl alcohol. *Catalysis Science and Technology*, **2018**, 8, 268-275	5.5	70
40	A Covalent Triazine-Based Framework Consisting of Donor-Acceptor Dyads for Visible-Light-Driven Photocatalytic CO Reduction. *ChemSusChem*, **2019**, 12, 4493-4499	8.3	55
39	MoS Quantum Dots-Modified Covalent Triazine-Based Frameworks for Enhanced Photocatalytic Hydrogen Evolution. *ChemSusChem*, **2018**, 11, 1108-1113	8.3	54
38	Efficient Visible-Light-Driven Photocatalytic Hydrogen Evolution on Phosphorus-Doped Covalent Triazine-Based Frameworks. *ACS Applied Materials & Interfaces*, **2018**, 10, 41415-41421	9.5	54
37	Heteroatom-doped Carbon Spheres from Hierarchical Hollow Covalent Organic Framework Precursors for Metal-Free Catalysis. *ChemSusChem*, **2017**, 10, 4921-4926	8.3	50
36	Spatial control of palladium nanoparticles in flexible click-based porous organic polymers for hydrogenation of olefins and nitrobenzene. *Nano Research*, **2015**, 8, 709-721	10	48

35	Shape-controllable formation of poly-imidazolium salts for stable palladium N-heterocyclic carbene polymers. *Scientific Reports*, **2014**, 4, 5478	4.9	44
34	Thioether-Functionalized 2D Covalent Organic Framework Featuring Specific Affinity to Au for Photocatalytic Hydrogen Production from Seawater. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 18574-18581	8.3	44
33	Use of Acylhydrazine- and Acylhydrazone-Type Ligands to Promote CuI-Catalyzed C N Cross-Coupling Reactions of Aryl Bromides with N-Heterocycles. *European Journal of Organic Chemistry*, **2011**, 2011, 2692-2696	3.2	38
32	Integrating single Ni sites into biomimetic networks of covalent organic frameworks for selective photoreduction of CO. *Chemical Science*, **2020**, 11, 6915-6922	9.4	34
31	Highly selective oxidation of furfuryl alcohol over monolayer titanate nanosheet under visible light irradiation. *Applied Catalysis B: Environmental*, **2018**, 224, 394-403	21.8	34
30	The copper-free Sonogashira cross-coupling reaction promoted by palladium complexes of nitrogen-containing chelating ligands in neat water at room temperature. *Dalton Transactions*, **2014**, 43, 2098-103	4.3	30
29	Click ionic liquids: a family of promising tunable solvents and application in Suzuki-Miyaura cross-coupling. *Chemistry - A European Journal*, **2012**, 18, 7842-51	4.8	29
28	One-pot synthesis of secondary amine via photoalkylation of nitroarenes with benzyl alcohol over Pd/monolayer H1.07Ti1.73O4 H2O nanosheets. *Journal of Catalysis*, **2018**, 361, 105-115	7.3	28
27	Click-based porous organic framework containing chelating terdentate units and its application in hydrogenation of olefins. *Journal of Materials Chemistry A*, **2014**, 2, 7502-7508	13	28
26	Well-Defined Metal Nanoparticles@Covalent Organic Framework Yolk-Shell Nanocages by ZIF-8 Template as Catalytic Nanoreactors. *Small*, **2019**, 15, e1804419	11	28
25	Thin CuOx-based nanosheets for efficient phenol removal benefitting from structural memory and ion exchange of layered double oxides. *Journal of Materials Chemistry A*, **2018**, 6, 4167-4178	13	27
24	Constructing a novel family of halogen-doped covalent triazine-based frameworks as efficient metal-free photocatalysts for hydrogen production. *Nanoscale Advances*, **2019**, 1, 2674-2680	5.1	26
23	A Cobalt-Modified Covalent Triazine-Based Framework as an Efficient Cocatalyst for Visible-Light-Driven Photocatalytic CO Reduction. *ChemPlusChem*, **2019**, 84, 1149-1154	2.8	24
22	Synthesis and Crystal Structures of Coordination Complexes Containing Cu I Units and Their Application in Luminescence and Catalysis. *ChemPlusChem*, **2013**, 78, 1491-1502	2.8	23
21	Hollow click-based porous organic polymers for heterogenization of [Ru(bpy)3]2+ through electrostatic interactions. *Nano Research*, **2016**, 9, 779-786	10	20
20	Rapid water disinfection over a Ag/AgBr/covalent triazine-based framework composite under visible light. *Dalton Transactions*, **2018**, 47, 7077-7082	4.3	17
19	Facile Synthesis and Tunable Porosities of Imidazolium-Based Ionic Polymers that Contain In Situ Formed Palladium Nanoparticles. *ChemCatChem*, **2016**, 8, 2234-2240	5.2	16
18	Encapsulation of Co single sites in covalent triazine frameworks for photocatalytic production of syngas. *Chinese Journal of Catalysis*, **2021**, 42, 123-130	11.3	16

17	Efficient Copper-Catalyzed Ullmann Reaction of Aryl Bromides with Imidazoles in Water Promoted by a pH-Responsive Ligand. *ChemCatChem*, **2013**, 5, 2978-2982	5.2	15
16	Layered Rare Earth–Organic Framework as Highly Efficient Luminescent Matrix: The Crystal Structure, Optical Spectroscopy, Electronic Transition, and Luminescent Sensing Properties. *Crystal Growth and Design*, **2019**, 19, 4754-4764	3.5	14
15	One-Pot Fabrication of Pd Nanoparticles@Covalent-Organic-Framework-Derived Hollow Polyamine Spheres as a Synergistic Catalyst for Tandem Catalysis. *Chemistry - A European Journal*, **2020**, 26, 1864-1870	4.8	14
14	Spherical core-shell magnetic particles constructed by main-chain palladium N-heterocyclic carbenes. *Nanoscale*, **2015**, 7, 3532-8	7.7	13
13	Constructing surface synergistic effect in Cu-Cu2O hybrids and monolayer H1.4Ti1.65O4·H2O nanosheets for selective cinnamyl alcohol oxidation to cinnamaldehyde. *Journal of Catalysis*, **2019**, 370, 461-469	7.3	12
12	Water-Soluble Ionic Palladium Complexes: Effect of Pendant Ionic Groups on Palladium Nanoparticles and Suzuki-Miyaura Reaction in Neat Water. *ChemPlusChem*, **2014**, 79, 257-265	2.8	12
11	A facile in situ growth of CdS quantum dots on covalent triazine-based frameworks for photocatalytic H2 production. *Journal of Alloys and Compounds*, **2020**, 833, 155057	5.7	11
10	Solvent-Induced Facile Synthesis of Cubic-, Spherical-, and Honeycomb-Shape Palladium N-Heterocyclic Carbene Particles and Catalytic Applications in Cyanosilylation. *Small*, **2015**, 11, 3642-7	11	9
9	Experimental and theoretical study for CO activation and chemical fixation with epoxides.. *RSC Advances*, **2019**, 9, 13122-13127	3.7	7
8	Donor-Acceptor Pairs in Covalent Organic Frameworks Promoting Electron Transfer for Metal-Free Photocatalytic Organic Synthesis. *Langmuir*, **2021**, 37, 11535-11543	4	7
7	Yolk–Shell-Structured Covalent Organic Frameworks with Encapsulated Metal–Organic Frameworks for Synergistic Catalysis. *Chemistry of Materials*, **2021**, 33, 5690-5699	9.6	6
6	Crystalline Covalent Organic Frameworks with Tailored Linkages for Photocatalytic H Evolution. *ChemSusChem*, **2021**, 14, 4958-4972	8.3	6
5	Organic Semiconductor Photocatalysts **2021**, 325-364		0
4	Macromol. Rapid Commun. 20/2015. *Macromolecular Rapid Communications*, **2015**, 36, 1798-1798	4.8	
3	Carbene: Solvent-Induced Facile Synthesis of Cubic-, Spherical-, and Honeycomb-Shape Palladium N-Heterocyclic Carbene Particles and Catalytic Applications in Cyanosilylation (Small 30/2015). *Small*, **2015**, 11, 3641-3641	11	
2	Organic Semiconductor Photocatalysts **2021**, 365-404		
1	Organic Semiconductor Photocatalysts **2021**, 405-446		