

# Li You

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Bisazole-Based Deep Eutectic Solvents for Efficient SO <sub>2</sub> Absorption and Conversion without Any Additives. ACS Sustainable Chemistry and Engineering, 2020, 8, 2608-2613.	6.7	60
2	Deep Eutectic Solvents as Efficient Catalysts for Fixation of CO <sub>2</sub> to Cyclic Carbonates at Ambient Temperature and Pressure through Synergetic Catalysis. ACS Sustainable Chemistry and Engineering, 2021, 9, 10437-10443.	6.7	55
3	CO <sub>2</sub> hydrogenation to lower olefins over Mn <sub>2</sub> O <sub>3</sub> -ZnO/SAPO-34 tandem catalysts. Chemical Engineering Journal, 2021, 421, 129978.	12.7	41
4	Deep eutectic solvents consisting of EmimCl and amides: Highly efficient SO <sub>2</sub> absorption and conversion. Separation and Purification Technology, 2020, 250, 117273.	7.9	38
5	Deep eutectic solvents formed by EmimCl plus lactams: Effective SO <sub>2</sub> capture and conversion into sulphur via DESs-mediated Claus process. Chemical Engineering Journal, 2021, 422, 130033.	12.7	28
6	Highly selective conversion of CO <sub>2</sub> to hydrocarbons over composite catalysts of ZnO-ZrO <sub>2</sub> and SAPO-34. Microporous and Mesoporous Materials, 2019, 284, 133-140.	4.4	27
7	Promoted catalytic behavior over $\gamma$ -Al <sub>2</sub> O <sub>3</sub> composited with ZSM-5 for crude methanol conversion to dimethyl ether. International Journal of Hydrogen Energy, 2020, 45, 16500-16508.	7.1	26
8	Linkage engineering mediated carriers transfer and surface reaction over carbon nitride for enhanced photocatalytic activity. Journal of Materials Chemistry A, 2021, 9, 21732-21740.	10.3	25
9	Preparation and Characterization of Activated Carbons from Bamboo Sawdust and Its Application for CH <sub>4</sub> Selectivity Adsorption from a CH <sub>4</sub> /N <sub>2</sub> System. Energy & Fuels, 2016, 30, 10730-10738.	5.1	23
10	Effect of Surface Chemistry and Textural Properties of Activated Carbons for CH <sub>4</sub> Selective Adsorption through Low-Concentration Coal Bed Methane. Journal of Chemical & Engineering Data, 2016, 61, 2120-2127.	1.9	23
11	Imidazolium- and triazine-based ionic polymers as recyclable catalysts for efficient fixation of CO <sub>2</sub> into cyclic carbonates. Journal of CO <sub>2</sub> Utilization, 2021, 51, 101658.	6.8	22
12	Enhanced catalytic behavior for methanol to lower olefins over SAPO-34 composited with ZrO <sub>2</sub> . Chemical Engineering Journal, 2020, 380, 122626.	12.7	21
13	1D confined materials synthesized <i>via</i> a coating method for thermal catalysis and energy storage applications. Journal of Materials Chemistry A, 2022, 10, 6330-6350.	10.3	21
14	Highly efficient CO <sub>2</sub> fixation into cyclic carbonate by hydroxyl-functionalized protic ionic liquids at atmospheric pressure. Molecular Catalysis, 2021, 511, 111756.	2.0	19
15	Highly Efficient Absorption of CO <sub>2</sub> by Protic Ionic Liquids-Amine Blends at High Temperatures. ACS Omega, 2021, 6, 34027-34034.	3.5	19
16	A novel microreaction strategy to fabricate superior hybrid zirconium and zinc oxides for methanol synthesis from CO <sub>2</sub> . Applied Catalysis A: General, 2020, 595, 117507.	4.3	18
17	Rich Ether-Based Protic Ionic Liquids with Low Viscosity for Selective Absorption of SO <sub>2</sub> through Multisite Interaction. Industrial & Engineering Chemistry Research, 2022, 61, 5971-5983.	3.7	16
18	Enhanced Catalytic Performance of N-Doped Carbon Sphere-Supported Pd Nanoparticles by Secondary Nitrogen Source Regulation for Formic Acid Dehydrogenation. ACS Applied Materials & Interfaces, 2022, 14, 18550-18560.	8.0	16

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19	Effect of Na <sup>+</sup> on xonotlite crystals in hydrothermal synthesis. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2013, 20, 88-93.	4.9	15
20	Preparation of ultra-light xonotlite thermal insulation material using carbide slag. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010, 25, 295-297.	1.0	14
21	Effect of Ultrasonic Process on Carbide Slag Activity and Synthesized Xonotlite. <i>Physics Procedia</i> , 2012, 25, 56-62.	1.2	14
22	Thiolation of methanol with H <sub>2</sub> S using core-shell structured ZSM-5@t-ZrO <sub>2</sub> catalyst. <i>Chemical Engineering Science</i> , 2020, 211, 115273.	3.8	13
23	Unsaturated iron ion-based coordination polymer for highly efficient photocatalytic hydrogen evolution with simultaneous real wastewater degradation: mechanistic insight into multifunctional Fe <sup>2+</sup> /N sites. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27041-27048.	10.3	11
24	Enhanced Electrochemical Performance of Al- and Nb-Codoped LLZO Ceramic Powder and Its Composite Solid Electrolyte. <i>ACS Applied Energy Materials</i> , 2021, 4, 13912-13921.	5.1	11
25	Bismuth complexes with N/S coordination based metallopolymer as highly efficient photocatalyst for selective oxidation of styrene. <i>Fuel</i> , 2021, 302, 121127.	6.4	10
26	Synthesis of Mesoporous Pd <sub>x</sub> Cu <sub>1-x</sub> /Al <sub>2</sub> O <sub>3</sub> -x Bimetallic Catalysts Via Mechanochemistry for Selective N-Formylation of Amines with CO <sub>2</sub> and H <sub>2</sub> . <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16153-16162.	6.7	9
27	Facile Synthesis of Microporous Carbons from Biomass Waste as High Performance Supports for Dehydrogenation of Formic Acid. <i>Nanomaterials</i> , 2021, 11, 3028.	4.1	9
28	Thiolation behaviors of methanol catalyzed by bifunctional ZSM-5@t-ZrO <sub>2</sub> catalyst. <i>Catalysis Today</i> , 2022, 397-399, 379-388.	4.4	8
29	Facile in situ hydrothermal crystallization synthesis of SAPO-34/ZSM-5 composite catalyst for methanol to olefin reaction. <i>Journal of Porous Materials</i> , 2019, 26, 793-802.	2.6	6
30	The synergistic effect of the carbon shell pore volume and core Pd size of Pd@hollow-C <sub>x</sub> for the synthesis of H <sub>2</sub> O <sub>2</sub> . <i>New Journal of Chemistry</i> , 2021, 45, 1617-1625.	2.8	6
31	Engineering Pt Nanoparticles onto Resin-Derived Iron and Nitrogen Co-Doped Porous Carbon Nanostructure Boosts Oxygen Reduction Catalysis. <i>ChemCatChem</i> , 0, , .	3.7	6
32	Formation and mechanistic analysis of self-etched tunnels on the surface of aluminum foil by the electrodeposition of trace Cu to form an electrolytic capacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6937-6947.	2.2	5
33	Superior ZSM-5@ <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> Composite Catalyst for Methanol and Ethanol Coconversion to Light Olefins. <i>ACS Omega</i> , 2021, 6, 19067-19075.	3.5	5
34	Polyethyleneimine-Modified Amorphous Silica for the Selective Adsorption of CO <sub>2</sub> /N <sub>2</sub> at High Temperatures. <i>ACS Omega</i> , 2021, 6, 35389-35397.	3.5	5
35	Effect of anions from calcium sources on the synthesis of nano-sized xonotlite fibers. <i>Optoelectronics Letters</i> , 2017, 13, 81-83.	0.8	4
36	A Novel Microchannel Synthesis Strategy for Continuous Fabrication of Nanosized <sup>3</sup> -CuI and Their Photocatalytic Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 10941-10950.	3.7	3

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37	Density, Viscosity, and Spectroscopic Nature for the Binary System of Tetraethylene Glycol (1) + Water (2) T = (298.15 to 323.15) K. International Journal of Thermophysics, 2021, 42, 1.	2.1	2
38	Conversion of methanol to olefins with HI additive: Thermodynamic analysis and effects of HI on catalytic properties and performance. Chemical Engineering Research and Design, 2016, 105, 152-161.	5.6	1
39	Binary System of Polyethylene Glycol 200 (1) + 3-Dimethylamino-1-propylamine (2) for CO <sub>2</sub> Absorption: Thermophysical Properties and Spectroscopic Study. ACS Omega, 2021, 6, 9898-9909.	3.5	1
40	Role of Zirconia in Oxide-Zeolite Composite for Thiolation of Methanol with Hydrogen Sulfide to Methanethiol. Nanomaterials, 2022, 12, 1803.	4.1	0