

# Yu Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8818449/publications.pdf>

Version: 2024-02-01

22  
papers

873  
citations

516710

16  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

640  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mild and efficient recovery of lithium-ion battery cathode material by deep eutectic solvents with natural and cheap components. <i>Green Chemical Engineering</i> , 2023, 4, 303-311.	6.3	20
2	Tuning refractive index of deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2022, 348, 118031.	4.9	9
3	Room-temperature conversion of CO <sub>2</sub> into quinazoline-2,4(1 <i>H</i> ),3 <i>H</i> )-dione using deep eutectic solvents at atmospheric pressure with high efficiency. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1968-1977.	3.7	6
4	High volatility of superbase-derived eutectic solvents used for CO <sub>2</sub> capture. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2193-2210.	2.8	19
5	Time-dependent air quality and pollutant concentration in the Jingjinji region: future gas capture by green solvents. <i>New Journal of Chemistry</i> , 2021, 45, 15555-15561.	2.8	0
6	Revisiting greenness of ionic liquids and deep eutectic solvents. <i>Green Chemical Engineering</i> , 2021, 2, 174-186.	6.3	193
7	Factors affecting the refractive index of amino acid-based deep eutectic solvents. <i>Chemical Thermodynamics and Thermal Analysis</i> , 2021, 3-4, 100016.	1.5	5
8	Significant Improvement in Dissolving Lithium-Ion Battery Cathodes Using Novel Deep Eutectic Solvents at Low Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12940-12948.	6.7	45
9	Water collection from air by ionic liquids for efficient visible-light-driven hydrogen evolution by metal-free conjugated polymer photocatalysts. <i>Renewable Energy</i> , 2020, 147, 594-601.	8.9	29
10	Surface tension and surface thermodynamic properties of PEG-based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2020, 318, 114042.	4.9	24
11	Photoelectrocatalytic properties and mechanism of rhodamine B degradation using a graphene oxide/Ag <sub>3</sub> PO <sub>4</sub> /Ni film electrode. <i>New Journal of Chemistry</i> , 2020, 44, 9502-9508.	2.8	18
12	Vaporization enthalpy, long-term evaporation and evaporation mechanism of polyethylene glycol-based deep eutectic solvents. <i>New Journal of Chemistry</i> , 2020, 44, 9493-9501.	2.8	18
13	Capture of Toxic Gases by Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5410-5430.	6.7	122
14	Cheap and biodegradable amino acid-based deep eutectic solvents for radioactive iodine capture via halogen bonds. <i>Journal of Molecular Liquids</i> , 2020, 303, 112615.	4.9	18
15	Small organic molecules with tailored structures: initiators in the transition-metal-free C-H arylation of unactivated arenes. <i>RSC Advances</i> , 2020, 10, 14500-14509.	3.6	9
16	Water absorption by deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2601-2610.	2.8	109
17	Volatility of Deep Eutectic Solvent Choline Chloride: <i>N</i> -Methylacetamide at Ambient Temperature and Pressure. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 7308-7317.	3.7	42
18	Efficient iodine capture by biocompatible PEG-based deep eutectic solvents: Kinetics and dynamic mechanism. <i>Journal of Molecular Liquids</i> , 2019, 289, 111166.	4.9	25

#	ARTICLE	IF	CITATIONS
19	Surface Tension of 50 Deep Eutectic Solvents: Effect of Hydrogen-Bonding Donors, Hydrogen-Bonding Acceptors, Other Solvents, and Temperature. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 12741-12750.	3.7	107
20	The dynamic evaporation process of the deep eutectic solvent LiTf <sub>2</sub> N-methylacetamide at ambient temperature. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11810-11821.	2.8	29
21	Visible-light-driven photoreduction of CO <sub>2</sub> to CO over porous nitrogen-deficient carbon nitride nanotubes. <i>Catalysis Science and Technology</i> , 2019, 9, 2485-2492.	4.1	26
22	Room-temperature dissolution of PbI <sub>2</sub> by a PEGylated deep eutectic solvent with high efficiency. <i>New Journal of Chemistry</i> , 0, , .	2.8	0