

Mingguang Pan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Reversible Redox Chemistry in Pyrrolidinium-Based TEMPO Radical and Extended Viologen for High-Voltage and Long-Life Aqueous Redox Flow Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	56
2	Efficient Absorption of CO ₂ by Introduction of Intramolecular Hydrogen Bonding in Chiral Amino Acid Ionic Liquids. <i>Energy & Fuels</i> , 2018, 32, 6130-6135.	5.1	47
3	The Dual Role of Bridging Phenylene in an Extended Bipyridine System for High-Voltage and Stable Two-Electron Storage in Redox Flow Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44174-44183.	8.0	34
4	Enhanced CO ₂ uptake by intramolecular proton transfer reactions in amino-functionalized pyridine-based ILs. <i>Chemical Communications</i> , 2017, 53, 5950-5953.	4.1	31
5	Using CoS cathode materials with 3D hierarchical porosity and an ionic liquid (IL) as an electrolyte additive for high capacity rechargeable magnesium batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18880-18888.	10.3	31
6	Selective Preparation of Isomeric Tetrahydroxypillar[5]arenes and Pillar[3]arene[2]quinones. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4787-4793.	2.4	30
7	Synthesis of a Pillar[5]arene with Both Hydroxyl and Methoxycarbonyl-Methoxy Groups and Its Host-Guest Complexation with a Bis(imidazolium) Salt. <i>Chinese Journal of Chemistry</i> , 2014, 32, 128-132.	4.9	20
8	Tuning the Capture of CO ₂ through Entropic Effect Induced by Reversible Trans-Cis Isomerization of Light-Responsive Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3346-3351.	4.6	19
9	Reversible CO ₂ Capture by Conjugated Ionic Liquids through Dynamic Covalent Carbon-Oxygen Bonds. <i>ChemSusChem</i> , 2016, 9, 2351-2357.	6.8	18
10	A pillar[2]arene[3]hydroquinone which can self-assemble to form a molecular zipper in the solid state. <i>RSC Advances</i> , 2013, 3, 20287.	3.6	16
11	Pillar[5]arene derivatives with three different kinds of repeating units: first examples, crystal structures and selective preparation. <i>RSC Advances</i> , 2014, 4, 260-263.	3.6	11
12	Evidence for a Bulky Unit of a Pillar[5]arene Flipping in the Solid State. <i>Chinese Journal of Chemistry</i> , 2014, 32, 391-395.	4.9	9
13	Surfactant induced formation of flower-like V ₂ O ₅ microspheres as cathode materials for rechargeable magnesium batteries. <i>Ionics</i> , 2019, 25, 5889-5897.	2.4	8