

Cong Lin

List of Publications by Year in descending order

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44
papers

1,619
citations

535685

17
h-index

325983

40
g-index

47
all docs

47
docs citations

47
times ranked

2674
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Electron Energy Loss Spectroscopy for Battery Studies. <i>Advanced Functional Materials</i> , 2022, 32, 2107190.	7.8	26
2	Sodium-rich NASICON-structured cathodes for boosting the energy density and lifespan of sodium-free anode sodium metal batteries. <i>Information Materials</i> , 2022, 4, .	8.5	41
3	Space-confined pyrolysis strategy to self-catalyze the growth of carbon nanotube-wrapped Co ₃ O ₄ electrocatalyst for lithium-O ₂ batteries. <i>Journal of Alloys and Compounds</i> , 2022, 905, 164203.	2.8	6
4	Introducing Metal-Organic Nanotubes to Derive High-Density Bimetal Alloy Nanoparticles Supported on Nanorods for Lithium-Oxygen Batteries. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	5
5	Delocalized Li@Mn ₆ superstructure units enable layer stability of high-performance Mn-rich cathode materials. <i>Chem</i> , 2022, 8, 2163-2178.	5.8	19
6	Atomic-resolution structures from polycrystalline covalent organic frameworks with enhanced cryo-cRED. <i>Nature Communications</i> , 2022, 13, .	5.8	10
7	HPM-14: A New Germanosilicate Zeolite with Interconnected Extra-Large Pores Plus Odd-Membered and Small Pores**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3438-3442.	7.2	15
8	Structure-direction towards the new large pore zeolite NUD-3. <i>Chemical Communications</i> , 2021, 57, 191-194.	2.2	15
9	HPM-14: A New Germanosilicate Zeolite with Interconnected Extra-Large Pores Plus Odd-Membered and Small Pores**. <i>Angewandte Chemie</i> , 2021, 133, 3480-3484.	1.6	5
10	Structural origin of the high-voltage instability of lithium cobalt oxide. <i>Nature Nanotechnology</i> , 2021, 16, 599-605.	15.6	148
11	Tuning the Topology of Three-Dimensional Covalent Organic Frameworks via Steric Control: From <i>pts</i> to Unprecedented <i>lh</i> . <i>Journal of the American Chemical Society</i> , 2021, 143, 7279-7284.	6.6	84
12	Large-scale room-temperature synthesis of high-efficiency lead-free perovskite derivative (NH ₄) ₂ SnCl ₆ :Te phosphor for warm wLEDs. <i>Chemical Engineering Journal</i> , 2021, 420, 129740.	6.6	42
13	Inherent inhibition of oxygen loss by regulating superstructural motifs in anionic redox cathodes. <i>Nano Energy</i> , 2021, 88, 106252.	8.2	32
14	Tuning the linkage of structure units to enable stable spinel-based cathode in the wide potential window. <i>Nano Energy</i> , 2021, 89, 106457.	8.2	5
15	From bulk to interface: electrochemical phenomena and mechanism studies in batteries via electrochemical quartz crystal microbalance. <i>Chemical Society Reviews</i> , 2021, 50, 10743-10763.	18.7	48
16	Revealing Roles of Co and Ni in Mn-Rich Layered Cathodes. <i>Advanced Energy Materials</i> , 2021, 11, .	10.2	24
17	A stable aluminosilicate zeolite with intersecting three-dimensional extra-large pores. <i>Science</i> , 2021, 374, 1605-1608.	6.0	59
18	Modulated structure determination and ion transport mechanism of oxide-ion conductor CeNbO ₄ . <i>Nature Communications</i> , 2020, 11, 4751.	5.8	20

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19	Application of Combining X-ray Diffraction and Electron Crystallography for Determination of Complex Inorganic Crystal Structure. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2020, 36, 1907052-0.	2.2	3
20	DMAP-Induced Gallium Phosphites with Different Dimensionality. <i>Crystal Growth and Design</i> , 2019, 19, 6011-6016.	1.4	4
21	Photoinduced synthesis of Bi ₂ O ₃ nanotubes based on oriented attachment. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1424-1428.	5.2	9
22	Hydroxyl free radical route to the stable siliceous Ti-UTL with extra-large pores for oxidative desulfurization. <i>Chemical Communications</i> , 2019, 55, 1390-1393.	2.2	39
23	Discovery of Complex Metal Oxide Materials by Rapid Phase Identification and Structure Determination. <i>Journal of the American Chemical Society</i> , 2019, 141, 4990-4996.	6.6	17
24	An NHC-CuCl functionalized metal-organic framework for catalyzing \hat{I}^2 -boration of \hat{I}^2 -unsaturated carbonyl compounds. <i>Dalton Transactions</i> , 2019, 48, 5144-5148.	1.6	7
25	Elucidation of correlated disorder in zeolite IM-18. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 333-342.	0.5	3
26	The construction of a series of hierarchical MWW-type zeolites and their catalytic performances for bulky aldol condensation. <i>Microporous and Mesoporous Materials</i> , 2018, 268, 117-124.	2.2	7
27	An Open-Framework Aluminophosphate with Face-Sharing AlO ₆ Octahedra Dimers and Extra-Large 14-Ring Channels. <i>Crystal Growth and Design</i> , 2018, 18, 1267-1271.	1.4	8
28	Synthesis and crystal structure of Sr ₃ Bi ₂ O ₆ and structural change in the strontium-bismuth-oxide system. <i>Dalton Transactions</i> , 2018, 47, 1888-1894.	1.6	7
29	Observation of Interpenetration Isomerism in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 6763-6766.	6.6	144
30	One-pot synthesis of Cu-modified HNb ₃ O ₈ nanobelts with enhanced photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10769-10775.	5.2	7
31	Scalable solid-state synthesis of coralline-like nanostructured Co@CoNC electrocatalyst for Zn-air batteries. <i>Chemical Communications</i> , 2018, 54, 8190-8193.	2.2	23
32	Crystallization of a Novel Germanosilicate ECNU-16 Provides Insights into the Space-Filling Effect on Zeolite Crystal Symmetry. <i>Chemistry - A European Journal</i> , 2018, 24, 9247-9253.	1.7	11
33	Hierarchical MFI zeolite synthesized via regulating the kinetic of dissolution-recrystallization and their catalytic properties. <i>Catalysis Communications</i> , 2018, 115, 82-86.	1.6	23
34	Discovery of Layered Indium Hydroxide via a Hydroperoxyl Anion Coordinated Precursor at Room Temperature. <i>Chemistry - A European Journal</i> , 2018, 24, 15491-15494.	1.7	0
35	Synthesis and characterization of germanosilicate molecular sieves: GeO ₂ /SiO ₂ ratio, H ₂ O/TO ₂ ratio and temperature. <i>Dalton Transactions</i> , 2017, 46, 2270-2280.	1.6	13
36	Achieving High Pseudocapacitance of 2D Titanium Carbide (MXene) by Cation Intercalation and Surface Modification. <i>Advanced Energy Materials</i> , 2017, 7, 1602725.	10.2	514

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37	A pore-expansion strategy to synthesize hierarchically porous carbon derived from metal-organic framework for enhanced oxygen reduction. <i>Carbon</i> , 2017, 114, 284-290.	5.4	92
38	Stomata-like metal peptide coordination polymer. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23440-23445.	5.2	9
39	A crystalline AlPO ₄₋₅ intermediate: designed synthesis, structure, and phase transformation. <i>Dalton Transactions</i> , 2017, 46, 12209-12216.	1.6	6
40	A-Site Cation Effect on Growth Thermodynamics and Photoconductive Properties in Ultrapure Lead Iodine Perovskite Monocrystalline Wires. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25985-25994.	4.0	14
41	Synthesis and characterization of germanium, copper- and cobalt-substituted ITH-zeotype materials. <i>Journal of Materials Science</i> , 2016, 51, 4942-4951.	1.7	1
42	PKU-3: An HCl-Inclusive Aluminoborate for Strecker Reaction Solved by Combining RED and PXRD. <i>Journal of the American Chemical Society</i> , 2015, 137, 7047-7050.	6.6	33
43	Synthesis and characterization of pure STW-zeotype germanosilicate, Cu- and Co-substituted STW-zeotype materials. <i>Journal of Solid State Chemistry</i> , 2015, 225, 271-277.	1.4	10
44	Systematic Study of Cr ³⁺ Substitution into Octahedra-Based Microporous Aluminoborates. <i>Inorganic Chemistry</i> , 2014, 53, 5600-5608.	1.9	11