

# Mei Cai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1740152/publications.pdf>

Version: 2024-02-01

8  
papers

2,057  
citations

1163117

8  
h-index

1588992

8  
g-index

8  
all docs

8  
docs citations

8  
times ranked

2354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying inactive lithium in lithium metal batteries. <i>Nature</i> , 2019, 572, 511-515.	27.8	852
2	Understanding and applying coulombic efficiency in lithium metal batteries. <i>Nature Energy</i> , 2020, 5, 561-568.	39.5	526
3	Pressure-tailored lithium deposition and dissolution in lithium metal batteries. <i>Nature Energy</i> , 2021, 6, 987-994.	39.5	208
4	Opportunities and Challenges of High-Energy Lithium Metal Batteries for Electric Vehicle Applications. <i>ACS Energy Letters</i> , 2020, 5, 3140-3151.	17.4	196
5	Cathode porosity is a missing key parameter to optimize lithium-sulfur battery energy density. <i>Nature Communications</i> , 2019, 10, 4597.	12.8	166
6	Multi-functional anodes boost the transient power and durability of proton exchange membrane fuel cells. <i>Nature Communications</i> , 2020, 11, 1191.	12.8	65
7	Solvation-protection-enabled high-voltage electrolyte for lithium metal batteries. <i>Nano Energy</i> , 2022, 92, 106720.	16.0	34
8	Complementary Electrolyte Design for Li Metal Batteries in Electric Vehicle Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 25879-25889.	8.0	10