

# Dong Hou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2846365/publications.pdf>

Version: 2024-02-01

17  
papers

1,990  
citations

759233

12  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

2212  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Disordered/Ordered Phases to Revisit the Degradation Mechanism of High-Voltage $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ Spinel Cathode Materials. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	13
2	Dynamics of particle network in composite battery cathodes. <i>Science</i> , 2022, 376, 517-521.	12.6	86
3	Effect of the grain arrangements on the thermal stability of polycrystalline nickel-rich lithium-based battery cathodes. <i>Nature Communications</i> , 2022, 13, .	12.8	16
4	Chemical Modulation of Local Transition Metal Environment Enables Reversible Oxygen Redox in Mn-Based Layered Cathodes. <i>ACS Energy Letters</i> , 2021, 6, 2882-2890.	17.4	15
5	Charging Reactions Promoted by Geometrically Necessary Dislocations in Battery Materials Revealed by In Situ Single-Particle Synchrotron Measurements. <i>Advanced Materials</i> , 2020, 32, e2003417.	21.0	17
6	Total scattering and diffraction studies of lead-free piezoelectric $(1-x)\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3-x(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ deconvolute intrinsic and extrinsic contributions to electromechanical strain. <i>Acta Materialia</i> , 2019, 171, 79-91.	7.9	20
7	Structure of $\text{HfO}_2$ modified with Y, Gd, and Zr at ambient conditions and high pressures. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	4
8	Local structures of perovskite dielectrics and ferroelectrics via pair distribution function analyses. <i>Journal of the European Ceramic Society</i> , 2018, 38, 971-987.	5.7	45
9	Deconvolved intrinsic and extrinsic contributions to electrostrain in high performance, Nb-doped $\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$ piezoceramics ( $0.50 \leq x \leq 0.56$ ). <i>Acta Materialia</i> , 2018, 158, 369-380. Field-induced polarization rotation and phase transitions in $\langle \text{mm} \rangle$	7.9	34

10