

Yuan-Hua Lin

List of Publications by Year in descending order

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39
papers

3,915
citations

270111

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355658

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docs citations

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times ranked

3681
citing authors

#	ARTICLE	IF	CITATIONS
1	High energy storage capability of perovskite relaxor ferroelectrics via hierarchical optimization. <i>Rare Metals</i> , 2022, 41, 730-744.	3.6	33
2	Phase-Field Simulations of Tunable Polar Topologies in Lead-Free Ferroelectric/Paraelectric Multilayers with Ultrahigh Energy Storage Performance. <i>Advanced Materials</i> , 2022, 34, e2108772.	11.1	24
3	Enhancing Thermoelectric Properties of $(\text{Cu}_2\text{Te})_{1-x}(\text{BiCuTeO})_x$ Composites by Optimizing Carrier Concentration. <i>Materials</i> , 2022, 15, 2096.	1.3	0
4	Multi-field driven hybrid catalysts for CO ₂ reduction: Progress, mechanism and perspective. <i>Materials Today</i> , 2022, 54, 225-246.	8.3	14
5	Strain Engineering of Energy Storage Performance in Relaxor Ferroelectric Thin Film Capacitors. <i>Advanced Theory and Simulations</i> , 2022, 5, .	1.3	13
6	Controllable electrical, magnetoelectric and optical properties of BiFeO ₃ via domain engineering. <i>Progress in Materials Science</i> , 2022, 127, 100943.	16.0	40
7	Perspectives on domain engineering for dielectric energy storage thin films. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	8
8	Super Long-Cycling All-Solid-State Battery with Thin Li ₆ PS ₅ Cl-Based Electrolyte. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	58
9	Pyrochlore-based high-entropy ceramics for capacitive energy storage. <i>Journal of Advanced Ceramics</i> , 2022, 11, 1179-1185.	8.9	33
10	High-entropy enhanced capacitive energy storage. <i>Nature Materials</i> , 2022, 21, 1074-1080.	13.3	161
11	A pyrotoroidic transition in ferroelectric polymer. <i>Matter</i> , 2022, 5, 3041-3052.	5.0	4
12	Excellent Energy Storage Properties Achieved in Sodium Niobate-Based Relaxor Ceramics through Doping Tantalum. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32218-32226.	4.0	15
13	High-temperature electrical energy storage performances of dipolar glass polymer nanocomposites filled with trace ultrafine nanoparticles. <i>Chemical Engineering Journal</i> , 2021, 420, 127614.	6.6	33
14	Ferroelectric polymers and their nanocomposites for dielectric energy storage applications. <i>APL Materials</i> , 2021, 9, .	2.2	37
15	Toroidal polar topology in strained ferroelectric polymer. <i>Science</i> , 2021, 371, 1050-1056.	6.0	74
16	Enhanced CO ₂ Reduction Performance of BiCuSeO-Based Hybrid Catalysts by Synergetic Photo-Thermoelectric Effect. <i>Advanced Functional Materials</i> , 2021, 31, 2105001.	7.8	16
17	Ultrahigh energy storage in superparaelectric relaxor ferroelectrics. <i>Science</i> , 2021, 374, 100-104.	6.0	276
18	Enhanced electric resistivity and dielectric energy storage by vacancy defect complex. <i>Energy Storage Materials</i> , 2021, 42, 836-844.	9.5	24

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19	An Overview of Linear Dielectric Polymers and Their Nanocomposites for Energy Storage. <i>Molecules</i> , 2021, 26, 6148.	1.7	17
20	Composition Modulation and Structure Design of Inorganicâ€”Polymer Composite Solid Electrolytes for Advanced Lithium Batteries. <i>Small</i> , 2020, 16, e1902813.	5.2	87
21	Dielectric films for high performance capacitive energy storage: multiscale engineering. <i>Nanoscale</i> , 2020, 12, 19582-19591.	2.8	69
22	Fabrication and applications of flexible inorganic ferroelectric thin films. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 217708.	0.2	3
23	Enhancements of dielectric and energy storage performances in leadâ€”free films with sandwich architecture. <i>Journal of the American Ceramic Society</i> , 2019, 102, 936-943.	1.9	37
24	Ultrahighâ€”energy density lead-free dielectric films via polymorphic nanodomain design. <i>Science</i> , 2019, 365, 578-582.	6.0	662
25	Polymer-infiltrated layered silicates for dental restorative materials. <i>Rare Metals</i> , 2019, 38, 1003-1014.	3.6	5
26	Selfâ€”Suppression of Lithium Dendrite in Allâ€”Solidâ€”State Lithium Metal Batteries with Poly(vinylidene fluoride) Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2983-2993.	11.1	298
27	High-Conductivity Argyrodite $\text{Li}_6\text{PS}_5\text{Cl}$ Solid Electrolytes Prepared via Optimized Sintering Processes for All-Solid-State Lithiumâ€”Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42279-42285.	4.0	170
28	Effects of $\text{Li}_{6.75}\text{La}_3\text{Zr}_{1.75}\text{Ta}_{0.25}\text{O}_{12}$ on chemical and electrochemical properties of polyacrylonitrile-based solid electrolytes. <i>Solid State Ionics</i> , 2018, 327, 32-38.	1.3	55
29	Giant energy density and high efficiency achieved in bismuth ferrite-based film capacitors via domain engineering. <i>Nature Communications</i> , 2018, 9, 1813.	5.8	408
30	Mechanical properties and biocompatibility of polymer infiltrated sodium aluminum silicate restorative composites. <i>Journal of Advanced Ceramics</i> , 2017, 6, 73-79.	8.9	15
31	BiFeO_3 â€” SrTiO_3 thin film as a new lead-free relaxor-ferroelectric capacitor with ultrahigh energy storage performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5920-5926.	5.2	218
32	Addressing the Interface Issues in All-Solid-State Bulk-Type Lithium Ion Battery via an All-Composite Approach. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9654-9661.	4.0	139
33	Mechanical performance of polymer-infiltrated zirconia ceramics. <i>Journal of Dentistry</i> , 2017, 58, 60-66.	1.7	29
34	Polymer nanocomposite dielectrics for electrical energy storage. <i>National Science Review</i> , 2017, 4, 23-25.	4.6	93
35	Mechanical properties of polymer-infiltrated-ceramic (sodium aluminum silicate) composites for dental restoration. <i>Journal of Dentistry</i> , 2017, 62, 91-97.	1.7	24
36	Enhanced thermoelectric performance of La-doped BiCuSeO by tuning band structure. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	86

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37	Ultrahigh Energy Density of Polymer Nanocomposites Containing BaTiO ₃ @TiO ₂ Nanofibers by Atomic-Scale Interface Engineering. <i>Advanced Materials</i> , 2015, 27, 819-824.	11.1	503
38	Controllable Growth of ZnO Nanorod Arrays on NiO Nanowires and Their High UV Photoresponse Current. <i>Crystal Growth and Design</i> , 2014, 14, 2329-2334.	1.4	28
39	Enhanced thermoelectric performance of a BiCuSeO system via band gap tuning. <i>Chemical Communications</i> , 2013, 49, 8075.	2.2	111