

# Hao Pan

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

2,247  
citations

471509  
17  
h-index

713466  
21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1393  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Ultrahigh energy density lead-free dielectric films via polymorphic nanodomain design. <i>Science</i> , 2019, 365, 578-582.   | 12.6 | 662       |
| 2  | Giant energy density and high efficiency achieved in bismuth ferrite-based film capacitors via domain engineering. <i>Nature Communications</i> , 2018, 9, 1813.  | 12.8 | 408       |
| 3  | Ultrahigh energy storage in superparaelectric relaxor ferroelectrics. <i>Science</i> , 2021, 374, 100-104.  | 12.6 | 276       |
| 4  | BiFeO <sub>3</sub> /SrTiO <sub>3</sub> 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.                                  | 10.3 | 218       |
| 5  | High-entropy enhanced capacitive energy storage. <i>Nature Materials</i> , 2022, 21, 1074-1080.   | 27.5 | 161       |
| 6  | Dielectric films for high performance capacitive energy storage: multiscale engineering. <i>Nanoscale</i> , 2020, 12, 19582-19591.  | 5.6  | 69        |
| 7  | A surface-modified TiO <sub>2</sub> nanorod array/P(VDF-HFP) dielectric capacitor with ultra high energy density and efficiency. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12777-12784.  | 5.5  | 65        |
| 8  | Thickness-dependent dielectric and energy storage properties of (Pb <sub>0.96</sub> La <sub>0.04</sub> )(Zr <sub>0.98</sub> Ti <sub>0.02</sub> )O <sub>3</sub> antiferroelectric thin films. <i>Journal of Applied Physics</i> , 2016, 119, . | 2.5  | 52        |
| 9  | Advances in Dielectric Thin Films for Energy Storage Applications, Revealing the Promise of Group IV Binary Oxides. <i>ACS Energy Letters</i> , 2021, 6, 2208-2217.   | 17.4 | 50        |
| 10 | Controllable electrical, magnetoelectric and optical properties of BiFeO <sub>3</sub> via domain engineering. <i>Progress in Materials Science</i> , 2022, 127, 100943.   | 32.8 | 40        |
| 11 | Enhancements of dielectric and energy storage performances in lead-free films with sandwich architecture. <i>Journal of the American Ceramic Society</i> , 2019, 102, 936-943.  | 3.8  | 37        |
| 12 | Ferroelectric polymers and their nanocomposites for dielectric energy storage applications. <i>APL Materials</i> , 2021, 9, .   | 5.1  | 37        |
| 13 | High-stability transparent flexible energy storage based on PbZrO <sub>3</sub> /muscovite heterostructure. <i>Nano Energy</i> , 2021, 87, 106149.   | 16.0 | 35        |
| 14 | High energy storage capability of perovskite relaxor ferroelectrics via hierarchical optimization. <i>Rare Metals</i> , 2022, 41, 730-744.  | 7.1  | 33        |
| 15 | Antiferroelectric Anisotropy of Epitaxial PbHfO <sub>3</sub> Films for Flexible Energy Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2105060.   | 14.9 | 29        |
| 16 | Enhanced electric resistivity and dielectric energy storage by vacancy defect complex. <i>Energy Storage Materials</i> , 2021, 42, 836-844.   | 18.0 | 24        |
| 17 | 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.  | 21.0 | 24        |
| 18 | Strain Engineering of Energy Storage Performance in Relaxor Ferroelectric Thin Film Capacitors. <i>Advanced Theory and Simulations</i> , 2022, 5, .   | 2.8  | 13        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Perspectives on domain engineering for dielectric energy storage thin films. Applied Physics Letters, 2022, 120, .   | 3.3 | 8         |
| 20 | Effects of annealing process and the additive on the electrical properties of chemical solution deposition derived 0.65Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> â€“0.35PbTiO <sub>3</sub> thin films. Journal of Materials Science: Materials in Electronics, 2018, 29, 16997-17002. | 2.2 | 3         |
| 21 | Fabrication and applications of flexible inorganic ferroelectric thin films. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 217708.  | 0.5 | 3         |
| 22 | Investigation of Negative Capacitance Effect from Domain Switching Dynamics. , 2019, , .   |     | 0         |