

# Qiong Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

634  
citations

623734

14  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

869  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of oxygen vacancies on ferroelectric phase transition of HfO <sub>2</sub> -based thin film from first-principle. Computational Materials Science, 2019, 167, 143-150.	3.0	127
2	Rationally designed hierarchical ZnCo <sub>2</sub> O <sub>4</sub> /Ni(OH) <sub>2</sub> nanostructures for high-performance pseudocapacitor electrodes. Journal of Materials Chemistry A, 2014, 2, 20462-20469.	10.3	67
3	Origin of the Intrinsic Ferroelectricity of HfO <sub>2</sub> from ab Initio Molecular Dynamics. Journal of Physical Chemistry C, 2019, 123, 21743-21750.	3.1	50
4	The atomic-scale domain wall structure and motion in HfO <sub>2</sub> -based ferroelectrics: A first-principle study. Acta Materialia, 2020, 196, 556-564.	7.9	47
5	Effects of Strain and Film Thickness on the Stability of the Rhombohedral Phase of $\text{HfO}_2$ . Physical Review Applied, 2020, 14, .	3.8	43
6	Strain effects on formation and migration energies of oxygen vacancy in perovskite ferroelectrics: A first-principles study. Journal of Applied Physics, 2013, 113, .	2.5	42
7	Highly stable performance of flexible Hf <sub>0.6</sub> Zr <sub>0.4</sub> O <sub>2</sub> ferroelectric thin films under multi-service conditions. Journal of Materials Chemistry C, 2020, 8, 3878-3886.	5.5	33
8	Domain Wall Motion in Perovskite Ferroelectrics Studied by the Nudged Elastic Band Method. Journal of Physical Chemistry C, 2018, 122, 3091-3100.	3.1	31
9	Dead layer effect and its elimination in ferroelectric thin film with oxide electrodes. Acta Materialia, 2016, 112, 216-223.	7.9	30
10	A thermodynamic potential for barium zirconate titanate solid solutions. Npj Computational Materials, 2018, 4, .	8.7	28
11	Tunable oxygen vacancy configuration by strain engineering in perovskite ferroelectrics from first-principles study. Applied Physics Letters, 2013, 103, 142911.	3.3	23
12	Ferroelectric Tunnel Junctions Enhanced by a Polar Oxide Barrier Layer. Nano Letters, 2019, 19, 7385-7393.	9.1	23
13	Molecular dynamics study of structural damage in amorphous silica induced by swift heavy-ion radiation. Radiation Effects and Defects in Solids, 2016, 171, 340-349.	1.2	16
14	Magnetolectric Effect at the Ni/HfO <sub>2</sub> /ZrO <sub>2</sub> Interface Induced by Ferroelectric Polarization. Physical Review Applied, 2019, 12, .	3.8	15
15	Strain tunability of the downward effective polarization of mechanically written domains in ferroelectric nanofilms. RSC Advances, 2016, 6, 80946-80954.	3.6	11
16	Magnetolectric Coupling at the Ni/Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> Interface. ACS Nano, 2021, 15, 14891-14902.	14.6	11
17	Interface Effects Induced by a ZrO <sub>2</sub> Seed Layer on the Phase Stability and Orientation of HfO <sub>2</sub> Ferroelectric Thin Films: A First-Principles Study. Physical Review Applied, 2021, 16, .	3.8	10
18	Self-Assembled Ferroelectric Nanoarray. ACS Applied Materials & Interfaces, 2019, 11, 2205-2210.	8.0	9

#	ARTICLE	IF	CITATIONS
19	Interface effect on the magnitude and stability of ferroelectric polarization in ultrathin PbTiO <sub>3</sub> films from first-principles study. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	7
20	Reversal of the magnetoelectric effect at a ferromagnetic metal/ferroelectric interface induced by metal oxidation. <i>Npj Computational Materials</i> , 2021, 7, .	8.7	7
21	Tuning the Physical Properties of BNT Ferroelectric Film by Mismatched Si Substrate. <i>Ferroelectrics</i> , 2015, 478, 54-59.	0.6	2
22	SPONTANEOUS POLARIZATION AND ITS STRAIN EFFECTS FOR ORTHORHOMBIC AND MONOCLINIC $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ : A FIRST PRINCIPLES STUDY. <i>International Journal of Modern Physics B</i> , 2013, 27, 1350138.	2.0	1
23	Effect and mechanism of point charge defects on ferroelectric domain switching properties of HfO <sub>2</sub> -based ferroelectric thin film. <i>Computational Materials Science</i> , 2022, 213, 111607.	3.0	1
24	The identification of precipitation amount effect with a water isotope-enabled threshold model in vadose zone: a case study in Ordos Plateau. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	0