

# Zheng Li

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

730  
citations

623734

14  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1257  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aqueous semi-solid flow cell: demonstration and analysis. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15833.	2.8	112
2	Electric-field control of strain-mediated magnetoelectric random access memory. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	93
3	Demonstration of magnetoelectric read head of multiferroic heterostructures. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	74
4	Improving the Capacity of Sodium Ion Battery Using a Virus-Templated Nanostructured Composite Cathode. <i>Nano Letters</i> , 2015, 15, 2917-2921.	9.1	70
5	The activation of $\sigma$ -non-basal slip in Magnesium alloys. <i>Journal of Materials Science</i> , 2012, 47, 7854-7859.	3.7	54
6	A magnetoelectric memory cell with coercivity state as writing data bit. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	50
7	Influence of Stress and Orientation on Magnetoelectric Coupling of Pb(Zr,Ti)O <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> Bilayer Films. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1060-1066.	3.8	40
8	A low-dissipation, pumpless, gravity-induced flow battery. <i>Energy and Environmental Science</i> , 2016, 9, 1760-1770.	30.8	39
9	Thickness-dependent converse magnetoelectric coupling in bi-layered Ni/PZT thin films. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	34
10	Role of the interface on the magnetoelectric properties of BaTiO <sub>3</sub> thin films deposited on polycrystalline Ni foils. <i>Journal of Materials Chemistry C</i> , 2014, 2, 708-714.	5.5	31
11	A magnetoelectric logic gate. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010, 4, 106-108.	2.4	23
12	A simple method for direct observation of the converse magnetoelectric effect in magnetic/ferroelectric composite thin films. <i>Journal of Applied Physics</i> , 2011, 110, 096106.	2.5	20
13	Enhanced magnetoelectric coupling in Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> film-on-CoFe <sub>2</sub> O <sub>4</sub> bulk ceramic composite with LaNiO <sub>3</sub> bottom electrode. <i>Journal of Materials Science</i> , 2013, 48, 1021-1026.	3.7	17
14	A 3-input all magnetic full adder with misalignment-free clocking mechanism. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	16
15	Direct Release of Sombrero-Shaped Magnetite Nanoparticles via Nanoimprint Lithography. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400511.	3.7	15
16	Misalignment-free signal propagation in nanomagnet arrays and logic gates with 45°-clocking field. <i>Journal of Applied Physics</i> , 2014, 115, 17E502.	2.5	10
17	Ferroelectric, Ferromagnetic, and Magnetoelectric Properties of Multiferroic Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> /BaTiO <sub>3</sub> Composite Ceramics. <i>Journal of Electronic Materials</i> , 2014, 43, 1043-1047.	2.2	9
18	Highly stable signal propagation in a consecutively tuned nanomagnet array. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	8

#	ARTICLE	IF	CITATIONS
19	Optical absorption and electrical transport in hybrid TiO <sub>2</sub> and polymer nanocomposite films. Applied Physics Letters, 2006, 88, 243119.	3.3	7
20	Large-area patterning of sub-100 nm epitaxial L1 FePt dots array via nanoimprint lithography. AIP Advances, 2015, 5, .	1.3	6
21	Sombrero-shaped Fe <sub>3</sub> O <sub>4</sub> nanoelements with tunable out-of-plane and in-plane magnetization components fabricated by nano-imprint lithography. Journal of Applied Physics, 2014, 115, 17B506.	2.5	2