

# Fan Li

## List of Publications by Year in descending order

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25  
papers

1,331  
citations

567281

15  
h-index

580821

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g-index

27  
all docs

27  
docs citations

27  
times ranked

2138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in voltage control of magnetism: Materials, mechanisms, and performance. Progress in Materials Science, 2017, 87, 33-82.	32.8	357
2	Adaptive Crystallite Kinetics in Homogenous Bilayer Oxide Memristor for Emulating Diverse Synaptic Plasticity. Advanced Functional Materials, 2018, 28, 1706927.	14.9	140
3	Competition between Metallic and Vacancy Defect Conductive Filaments in a $\text{CH}_3\text{NH}_3\text{PbI}_3$ -Based Memory Device. Journal of Physical Chemistry C, 2018, 122, 6431-6436.	3.1	115
4	Electrical Manipulation of Orbital Occupancy and Magnetic Anisotropy in Manganites. Advanced Functional Materials, 2015, 25, 864-870.	14.9	105
5	Forming-free and self-rectifying resistive switching of the simple $\text{Pt}/\text{TaO}_x/\text{n-Si}$ structure for access device-free high-density memory application. Nanoscale, 2015, 7, 6031-6038.	5.6	97
6	Magnetoelectric Coupling Induced by Interfacial Orbital Reconstruction. Advanced Materials, 2015, 27, 6651-6656.	21.0	81
7	Reversible Ferromagnetic Phase Transition in Electrode-Gated Manganites. Advanced Functional Materials, 2014, 24, 7233-7240.	14.9	76
8	Interfacial oxygen-octahedral-tilting-driven electrically tunable topological Hall effect in ultrathin $\text{SrRuO}_3$ films. Journal Physics D: Applied Physics, 2019, 52, 404001.	2.8	51
9	Manipulation of Electric Field Effect by Orbital Switch. Advanced Functional Materials, 2016, 26, 753-759.	14.9	49
10	Electrical control of Co/Ni magnetism adjacent to gate oxides with low oxygen ion mobility. Applied Physics Letters, 2015, 107, .	3.3	35
11	Charge Transfer and Orbital Reconstruction in Strain-Engineered $(\text{La,Sr})\text{MnO}_3/\text{LaNiO}_3$ Heterostructures. ACS Applied Materials & Interfaces, 2015, 7, 17700-17706.	8.0	35
12	In Situ Modification of a Delafossite-Type $\text{PdCoO}_2$ Bulk Single Crystal for Reversible Hydrogen Sorption and Fast Hydrogen Evolution. ACS Energy Letters, 2019, 4, 2185-2191.	17.4	34
13	Unidirectional ion transport in nanoporous carbon membranes with a hierarchical pore architecture. Nature Communications, 2021, 12, 4650.	12.8	28
14	Unconventional resistive switching behavior in ferroelectric tunnel junctions. Physical Chemistry Chemical Physics, 2015, 17, 10146-10150.	2.8	24
15	Iontronic manipulation of current-induced domain wall motion in synthetic antiferromagnets. Nature Communications, 2021, 12, 5002.	12.8	18
16	Interfacial Control of Ferromagnetism in Ultrathin $\text{SrRuO}_3$ Films Sandwiched between Ferroelectric $\text{BaTiO}_3$ Layers. ACS Applied Materials & Interfaces, 2020, 12, 6707-6715.	8.0	16
17	Manipulation of orbital occupancy by ferroelectric polarization in $\text{LaNiO}_3/\text{BaTiO}_3$ heterostructures. Applied Physics Letters, 2015, 107, .	3.3	13
18	Controllable oxygen vacancies, orbital occupancy and magnetic ordering in $\text{SrCoO}_3$ films. Journal of Magnetism and Magnetic Materials, 2018, 454, 228-236.	2.3	13

#	ARTICLE	IF	CITATIONS
19	Photon-gated Spin Transistor. <i>Advanced Materials</i> , 2017, 29, 1604052.	21.0	12
20	Exchange bias field induced symmetry-breaking of magnetization rotation in two-dimension. <i>Applied Physics Letters</i> , 2014, 105, 152402.	3.3	11
21	Identification of Interface Structure for a Topological CoS <sub>2</sub> Single Crystal in Oxygen Evolution Reaction with High Intrinsic Reactivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 19324-19331.	8.0	10
22	Oscillatory exchange bias effect in La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> /G-SrMnO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> sandwiches. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 295003.	2.3	3
23	Designing room-temperature multiferroic materials in a single-phase solid-solution film. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 365001.	2.8	3
24	Anomalous Hall effect in one monolayer cobalt with electrical manipulation. <i>Journal of Alloys and Compounds</i> , 2017, 696, 315-320.	5.5	3
25	Light Tuning of the Resistance of NdNiO <sub>3</sub> Films With CoFe <sub>2</sub> O <sub>4</sub> Capping. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800186.	2.4	2