

Li-Qin Yan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56
papers

1,524
citations

22
h-index

38
g-index

56
ext. papers

1,679
ext. citations

3.5
avg, IF

4.12
L-index

#	Paper	IF	Citations
56	Study on Enhancing the Thermoelectric Properties of Ti ₂ CrSn Alloys. <i>Metals</i> , 2021 , 11, 1503	2.3	
55	Evidence and evolution of magnetic polaron in HgCrSe investigated by electron spin resonance. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 255804	1.8	1
54	Giant magnetoelectric effects achieved by tuning spin cone symmetry in Y-type hexaferrites. <i>Nature Communications</i> , 2017 , 8, 519	17.4	63
53	Large pyroelectric and thermal expansion coefficients in the [(CH ₃) ₂ NH ₂]Mn (HCOO) ₃ metal-organic framework. <i>Applied Physics Letters</i> , 2017 , 111, 042901	3.4	12
52	Hidden spin-order-induced room-temperature ferroelectricity in a peculiar conical magnetic structure. <i>Physical Review B</i> , 2017 , 95,	3.3	21
51	Electrochemical-reaction-induced synaptic plasticity in MoO-based solid state electrochemical cells. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 4190-4198	3.6	46
50	Long-distance super-exchange and quantum magnetic relaxation in a hybrid metal-organic framework. <i>Chinese Physics B</i> , 2016 , 25, 017601	1.2	1
49	Observation of Resonant Quantum Magnetoelectric Effect in a Multiferroic Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016 , 138, 782-5	16.4	89
48	A giant reversible magnetocaloric effect in Ho ₂ PdSi ₃ compound. <i>Journal of Alloys and Compounds</i> , 2015 , 618, 512-515	5.7	17
47	Magnetic property and magnetocaloric effect in TmCoAl compound. <i>Intermetallics</i> , 2015 , 56, 75-78	3.5	19
46	Spin-driven multiferroics in BaYFeO ₄ . <i>Journal of Applied Physics</i> , 2015 , 117, 174102	2.5	7
45	Cross coupling between electric and magnetic orders in a multiferroic metal-organic framework. <i>Scientific Reports</i> , 2014 , 4, 6062	4.9	148
44	Evolution of magnetic properties and magnetocaloric effect in TmNi _{1-x} Cu _x Al (x = 0, 0.1, 0.3, 0.5, 0.7, 0.9, 1) compounds. <i>Journal of Applied Physics</i> , 2014 , 115, 17A909	2.5	3
43	Magnetic-ion-induced displacive electric polarization in FeO ₅ bipyramidal units of (Ba,Sr)Fe ₁₂ O ₁₉ hexaferrites. <i>Physical Review B</i> , 2014 , 90,	3.3	51
42	Quantum tunneling of magnetization in a metal-organic framework. <i>Physical Review Letters</i> , 2014 , 112, 017202	7.4	57
41	Magnetic properties and magnetocaloric effect in the HoNi _{1-x} Cu _x In (x=0, 0.1, 0.3, 0.4) intermetallic compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 354, 49-53	2.8	1
40	Electric control of magnetism in a multiferroic metal-organic framework. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014 , 8, 91-94	2.5	45

39	Magnetic field reversal of electric polarization and magnetoelectric phase diagram of the hexaferrite Ba _{1.3} Sr _{0.7} Co _{0.9} Zn _{1.1} Fe _{10.8} Al _{1.2} O ₂₂ . <i>Applied Physics Letters</i> , 2014 , 104, 032905	3-4	39
38	Magnetic properties and magnetocaloric effect in the RCu ₂ Si ₂ and RCu ₂ Ge ₂ (R = Ho, Er) compounds. <i>Journal of Applied Physics</i> , 2014 , 115, 073905	2-5	10
37	Magnetoelectric coupling in the paramagnetic state of a metal-organic framework. <i>Scientific Reports</i> , 2013 , 3, 2024	4-9	143
36	Magnetic properties and magnetocaloric effects in Er ₃ GdxCo intermetallic compounds. <i>Journal of Applied Physics</i> , 2013 , 113, 033908	2-5	10
35	Low-field induced large reversible magnetocaloric effect in Tm ₃ Co compound. <i>Journal of Alloys and Compounds</i> , 2013 , 572, 1-4	5-7	14
34	Giant exchange bias in a single-phase magnet with two magnetic sublattices. <i>Applied Physics Letters</i> , 2013 , 102, 172406	3-4	27
33	Low-field induced giant magnetocaloric effect in TmCuAl compound. <i>Applied Physics Letters</i> , 2013 , 102, 192407	3-4	47
32	Field- and temperature-induced evolution of the magnetocaloric effect in Ba _{0.3} Sr _{1.7} Co ₂ Fe ₁₂ O ₂₂ single crystals with heliconical magnetism. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 256006	1-8	4
31	Multiferroics and magnetoelectric effects in charge ordered compounds. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 222-231	3-6	15
30	Temperature- and Magnetic-Field-Induced Change of Electric Polarization in a Multiferroic Mn _{0.93} Co _{0.07} W _{0.93} O ₄ Single Crystal. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 094708	1-5	3
29	Low field induced giant magnetocaloric effect in TmGa compound. <i>Applied Physics Letters</i> , 2013 , 103, 052409	3-4	48
28	Al-doping-induced magnetocapacitance in the multiferroic CuCrS ₂ . <i>Chinese Physics B</i> , 2013 , 22, 027507	1-2	3
27	Exchange bias effect in multiferroic Eu _{0.75} Y _{0.25} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 2579-2582	2-8	6
26	A magnetoelectric multiglass state in multiferroic YbFe ₂ O ₄ . <i>Journal of Applied Physics</i> , 2012 , 111, 07D9025	2-5	13
25	Intrinsic ferroelectric polarization of orthorhombic manganites with E-type spin order. <i>Physical Review B</i> , 2012 , 85,	3-3	53
24	Extrinsic and intrinsic nonlinear current-voltage characteristics in charge ordered oxides. <i>Journal of Applied Physics</i> , 2012 , 111, 033703	2-5	6
23	Low magnetic field reversal of electric polarization in a Y-type hexaferrite. <i>Applied Physics Letters</i> , 2012 , 100, 122901	3-4	55
22	Structure, Magnetism and Magnetoresistance Effect of $\text{Cd}_{1-x}\text{Cu}_x\text{Cr}_2\text{S}_4$ ($x=0.01, 0.04, 0.1, 0.2$). <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3634-3637	2	1

21	Persistent multiferroicity without magnetoelectric effects in CuO. <i>Journal of Applied Physics</i> , 2011 , 110, 054106	2.5	21
20	Effects of Fe 2+ substitution on magnetic and dielectric properties of CdCr ₂ S ₄ . <i>Chinese Physics B</i> , 2011 , 20, 097503	1.2	4
19	Evidence of a universal and isotropic $2\pi/k_B T_C$ ratio in 122-type iron pnictide superconductors over a wide doping range. <i>Physical Review B</i> , 2010 , 82,	3.3	21
18	Chemical doping-induced flop of ferroelectric polarization in multiferroic Mn _{0.9} Co _{0.1} WO ₄ . <i>Physical Review B</i> , 2010 , 82,	3.3	21
17	Multiferroicity and magnetoelectric coupling in half-doped manganite La _{0.5} Ca _{0.5} MnO ₃ . <i>Applied Physics Letters</i> , 2010 , 97, 092501	3.4	27
16	Observation of the Josephson effect in Pb/Ba _{1-x} K _x Fe ₂ As ₂ single crystal junctions. <i>Physical Review Letters</i> , 2009 , 102, 147002	7.4	83
15	Josephson effect between electron-doped and hole-doped iron pnictide single crystals. <i>Applied Physics Letters</i> , 2009 , 95, 062510	3.4	32
14	The exchange biaslike effect in tetrahedral spinels Cu _{1-x} Zn _x Cr ₂ O ₄ (x=0.1,0.3). <i>Journal of Applied Physics</i> , 2009 , 105, 07A719	2.5	7
13	Magnetic-field-induced transition from metastable spin glass to possible antiferromagnetic/ferromagnetic phase separation in Cd _{0.5} Cu _{0.5} Cr ₂ O ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 2102-2106	2.8	
12	Magnetic properties and magnetic entropy change in spinels (Cd,M)Cr ₂ S ₄ with M=Cu or Fe. <i>Journal of Applied Physics</i> , 2008 , 103, 07B315	2.5	26
11	Glassy magnetic behavior induced by Cu ²⁺ substitution in the frustrated antiferromagnet ZnCr ₂ O ₄ . <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 255203	1.8	14
10	Magnetodielectric effect and dielectric relaxation of spinel Cd _{0.7} Fe _{0.3} Cr ₂ S ₄ . <i>Journal of Applied Physics</i> , 2008 , 103, 07E308	2.5	4
9	Magnetism and permittivity properties of spinel Cd _{0.5} Fe _{0.5} Cr ₂ S ₄ . <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 3239-3242	3	1
8	Large magnetocaloric effect in spinel CdCr ₂ S ₄ . <i>Applied Physics Letters</i> , 2007 , 90, 262502	3.4	37
7	Powder X-ray diffraction and Rietveld analysis of Cd _{1-x} Cu _x Cr ₂ O ₄ (0.1 ≤ x ≤ 0.7). <i>Powder Diffraction</i> , 2007 , 22, 340-343	1.8	3
6	Infrared measurement of Ge concentration in CZBi. <i>Journal of Crystal Growth</i> , 2005 , 279, 65-69	1.6	3
5	Anisotropy of the Seebeck coefficient in Czochralski grown p-type SiGe single crystal. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005 , 119, 182-184	3.1	8
4	Superelasticity of CoNiGa:Fe single crystals. <i>Applied Physics Letters</i> , 2005 , 87, 112504	3.4	19

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| 3 | Large magnetostriction in Fe _{100-x} Al _x (15 ≤ x ≤ 30) melt-spun ribbons. <i>Applied Physics Letters</i> , 2004 , 85, 1751-1753 | 3-4 | 22 |
| 2 | Magnetic field-controlled two-way shape memory in CoNiGa single crystals. <i>Applied Physics Letters</i> , 2004 , 84, 3594-3596 | 3-4 | 63 |
| 1 | Half-metallic ferromagnetism in zinc-blende CrBi and the stability of the half-metallicity of zinc-blende CrM (M = P, As, Sb, Bi). <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 5017-5024 | 1-8 | 30 |