

Li-Qin Yan

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56
papers

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h-index

38
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56
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1,679
ext. citations

3.5
avg, IF

4.12
L-index

#	Paper	IF	Citations
56	Cross coupling between electric and magnetic orders in a multiferroic metal-organic framework. <i>Scientific Reports</i> , 2014 , 4, 6062	4.9	148
55	Magnetolectric coupling in the paramagnetic state of a metal-organic framework. <i>Scientific Reports</i> , 2013 , 3, 2024	4.9	143
54	Observation of Resonant Quantum Magnetolectric Effect in a Multiferroic Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016 , 138, 782-5	16.4	89
53	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
52	Giant magnetolectric effects achieved by tuning spin cone symmetry in Y-type hexaferrites. <i>Nature Communications</i> , 2017 , 8, 519	17.4	63
51	Magnetic field-controlled two-way shape memory in CoNiGa single crystals. <i>Applied Physics Letters</i> , 2004 , 84, 3594-3596	3.4	63
50	Quantum tunneling of magnetization in a metal-organic framework. <i>Physical Review Letters</i> , 2014 , 112, 017202	7.4	57
49	Low magnetic field reversal of electric polarization in a Y-type hexaferrite. <i>Applied Physics Letters</i> , 2012 , 100, 122901	3.4	55
48	Intrinsic ferroelectric polarization of orthorhombic manganites with E-type spin order. <i>Physical Review B</i> , 2012 , 85,	3.3	53
47	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
46	Low field induced giant magnetocaloric effect in TmGa compound. <i>Applied Physics Letters</i> , 2013 , 103, 052409	3.4	48
45	Low-field induced giant magnetocaloric effect in TmCuAl compound. <i>Applied Physics Letters</i> , 2013 , 102, 192407	3.4	47
44	Electrochemical-reaction-induced synaptic plasticity in MoO ₃ -based solid state electrochemical cells. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 4190-4198	3.6	46
43	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
42	Magnetic field reversal of electric polarization and magnetolectric 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
41	Large magnetocaloric effect in spinel CdCr ₂ S ₄ . <i>Applied Physics Letters</i> , 2007 , 90, 262502	3.4	37
40	Josephson effect between electron-doped and hole-doped iron pnictide single crystals. <i>Applied Physics Letters</i> , 2009 , 95, 062510	3.4	32

39	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
38	Giant exchange bias in a single-phase magnet with two magnetic sublattices. <i>Applied Physics Letters</i> , 2013 , 102, 172406	3.4	27
37	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
36	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
35	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
34	Hidden spin-order-induced room-temperature ferroelectricity in a peculiar conical magnetic structure. <i>Physical Review B</i> , 2017 , 95,	3.3	21
33	Evidence of a universal and isotropic $2\mu_0 H_{c2}/T_{c0}$ ratio in 122-type iron pnictide superconductors over a wide doping range. <i>Physical Review B</i> , 2010 , 82,	3.3	21
32	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
31	Persistent multiferroicity without magnetoelectric effects in CuO. <i>Journal of Applied Physics</i> , 2011 , 110, 054106	2.5	21
30	Magnetic property and magnetocaloric effect in TmCoAl compound. <i>Intermetallics</i> , 2015 , 56, 75-78	3.5	19
29	Superelasticity of CoNiGa:Fe single crystals. <i>Applied Physics Letters</i> , 2005 , 87, 112504	3.4	19
28	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
27	Multiferroics and magnetoelectric effects in charge ordered compounds. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 222-231	3.6	15
26	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
25	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
24	A magnetoelectric multiglass state in multiferroic YbFe ₂ O ₄ . <i>Journal of Applied Physics</i> , 2012 , 111, 07D9025	2.5	13
23	Large pyroelectric and thermal expansion coefficients in the [(CH ₃) ₂ NH ₂] ₃ Mn(HCOO) ₃ metal-organic framework. <i>Applied Physics Letters</i> , 2017 , 111, 042901	3.4	12
22	Magnetic properties and magnetocaloric effects in Er _{3-x} Gd _x Co intermetallic compounds. <i>Journal of Applied Physics</i> , 2013 , 113, 033908	2.5	10

21	Magnetic properties and magnetocaloric effect in the RCu_2Si_2 and RCu_2Ge_2 ($\text{R} = \text{Ho}, \text{Er}$) compounds. <i>Journal of Applied Physics</i> , 2014 , 115, 073905	2.5	10
20	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
19	Spin-driven multiferroics in BaYFeO_4 . <i>Journal of Applied Physics</i> , 2015 , 117, 174102	2.5	7
18	The exchange biaslike effect in tetrahedral spinels $\text{Cu}_{1-x}\text{Zn}_x\text{Cr}_2\text{O}_4$ ($x=0.1, 0.3$). <i>Journal of Applied Physics</i> , 2009 , 105, 07A719	2.5	7
17	Exchange bias effect in multiferroic $\text{Eu}_{0.75}\text{Y}_{0.25}\text{MnO}_3$. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 2579-2582	2.8	6
16	Extrinsic and intrinsic nonlinear current-voltage characteristics in charge ordered oxides. <i>Journal of Applied Physics</i> , 2012 , 111, 033703	2.5	6
15	Field- and temperature-induced evolution of the magnetocaloric effect in $\text{Ba}_{0.3}\text{Sr}_{1.7}\text{Co}_2\text{Fe}_{12}\text{O}_{22}$ single crystals with heliconical magnetism. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 256006	1.8	4
14	Effects of Fe^{2+} substitution on magnetic and dielectric properties of CdCr_2S_4 . <i>Chinese Physics B</i> , 2011 , 20, 097503	1.2	4
13	Magnetodielectric effect and dielectric relaxation of spinel $\text{Cd}_{0.7}\text{Fe}_{0.3}\text{Cr}_2\text{S}_4$. <i>Journal of Applied Physics</i> , 2008 , 103, 07E308	2.5	4
12	Evolution of magnetic properties and magnetocaloric effect in $\text{TmNi}_{1-x}\text{Cu}_x\text{Al}$ ($x = 0, 0.1, 0.3, 0.5, 0.7, 0.9, 1$) compounds. <i>Journal of Applied Physics</i> , 2014 , 115, 17A909	2.5	3
11	Temperature- and Magnetic-Field-Induced Change of Electric Polarization in a Multiferroic $\text{Mn}_{0.93}\text{Co}_{0.07}\text{W}_{0.93}\text{O}_4$ Single Crystal. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 094708	1.5	3
10	Al-doping-induced magnetocapacitance in the multiferroic CuCrS_2 . <i>Chinese Physics B</i> , 2013 , 22, 027507	1.2	3
9	Powder X-ray diffraction and Rietveld analysis of $\text{Cd}_{1-x}\text{Cu}_x\text{Cr}_2\text{O}_4$ ($0.1 \leq x \leq 0.7$). <i>Powder Diffraction</i> , 2007 , 22, 340-343	1.8	3
8	Infrared measurement of Ge concentration in CZBi. <i>Journal of Crystal Growth</i> , 2005 , 279, 65-69	1.6	3
7	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
6	Magnetic properties and magnetocaloric effect in the $\text{HoNi}_{1-x}\text{Cu}_x\text{In}$ ($x=0, 0.1, 0.3, 0.4$) intermetallic compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 354, 49-53	2.8	1
5	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 Magnetism</i> , 2012 , 48, 3634-3637	2	1
4	Magnetism and permittivity properties of spinel $\text{Cd}_{0.5}\text{Fe}_{0.5}\text{Cr}_2\text{S}_4$. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 3239-3242	3	1

- 3 Evidence and evolution of magnetic polaron in HgCrSe investigated by electron spin resonance. *Journal of Physics Condensed Matter*, **2018**, 30, 255804 1.8 1
- 2 Magnetic-field-induced transition from metastable spin glass to possible antiferromagnetic/ferromagnetic phase separation in Cd_{0.5}Cu_{0.5}Cr₂O₄. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 2102-2106 2.8
- 1 Study on Enhancing the Thermoelectric Properties of Ti₂CrSn Alloys. *Metals*, **2021**, 11, 1503 2.3