

# Kexin Jin

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ferroelectricity-like Polarization and Metallicity at GdAlO <sub>3</sub> /SrTiO <sub>3</sub> Heterointerfaces. <i>Journal of Physical Chemistry C</i> , 2022, 126, 611-616.	3.1	7
2	Manipulating Spin-Orbit Coupling at Oxide Interfaces by Lanthanum Cobaltate. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1117-1123.	4.3	5
3	Tunable dielectric and energy storage properties in nonstoichiometric NaNbO <sub>3</sub> thin films. <i>Ceramics International</i> , 2022, 48, 16215-16220.	4.8	4
4	Orientation-dependent crack patterns at the surface of SrTiO <sub>3</sub> crystals induced by laser irradiation. <i>Physica B: Condensed Matter</i> , 2022, 637, 413853.	2.7	2
5	Anomalous Hall effect superimposed in polycrystalline SrRuO <sub>3</sub> thick film. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	5
6	Circular Photogalvanic Effect in Oxide Two-Dimensional Electron Gases. <i>Physical Review Letters</i> , 2022, 128, 187401.	7.8	14
7	Quasi two-dimensional electron gas generated by laser irradiation at rutile TiO <sub>2</sub> surface. <i>Scripta Materialia</i> , 2022, 216, 114741.	5.2	1
8	Manipulation of 2DEG at double-doped high-entropy heterointerfaces. <i>Nanoscale</i> , 2022, 14, 9771-9780.	5.6	3
9	First observation of magnon transport in organic-inorganic hybrid perovskite. <i>Matter</i> , 2022, , .	10.0	4
10	A comparison of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterointerfaces grown by spin coating and pulsed laser deposition methods. <i>Journal of Crystal Growth</i> , 2021, 558, 125912.	1.5	1
11	Review on fabrication methods of SrTiO <sub>3</sub> -based two dimensional conductive interfaces. <i>EPL Applied Physics</i> , 2021, 93, 21302.	0.7	1
12	Effect of Rare Earth Elements at Amorphous ReAlO <sub>3</sub> /SrTiO <sub>3</sub> (Re = La, Pr, Nd,) Tj ETQq0 0.0 rgBT /Overlock 10	4.6	4
13	Display of Spin-Orbit Coupling at ReAlO <sub>3</sub> /SrTiO <sub>3</sub> (Re = La, Pr, Nd, Sm, and Gd) Heterointerfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 21964-21970.	8.0	6
14	Controlling transport properties at LaFeO <sub>3</sub> /SrTiO <sub>3</sub> interfaces by defect engineering. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 245001.	1.8	3
15	Giant enhancing photoresponse at LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces by the nickelate buffer layer. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	6
16	Modulated in-plane carrier distribution of oxide two-dimensional electron gas systems by light assisted electrostatic gating. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 225102.	2.8	3
17	Tuning Magnetism and Photocurrent in Mn-Doped Organic-Inorganic Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2577-2584.	4.6	36
18	Revealing the Photocharge-Transfer Mechanism at Manganite-Buffered LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interfaces by Giant Photoresponse. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 11197-11203.	8.0	6

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19	Nonlinear diffusion potential induced anti-ohmic effect. Journal Physics D: Applied Physics, 2020, 53, 185304.	2.8	0
20	Enhanced self-powered photoresponse in perovskite films with in situ induced p-n homojunction by Ar <sup>+</sup> bombardment. Optical Materials, 2020, 100, 109687.	3.6	5
21	Creation and control of quasi-two dimensional electron gas at yttrium aluminum oxides/strontium titanate heterointerfaces by spin coating. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126283.	2.1	4
22	Photoresponsive properties at (001), (111) and (110) LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. Journal of Physics Condensed Matter, 2020, 32, 135002.	1.8	4
23	Electrical study of antiferroelectric NaNbO <sub>3</sub> thin films integrated directly on 4H-SiC. Journal of Physics and Chemistry of Solids, 2020, 143, 109477.	4.0	2
24	High breakdown voltage in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. Applied Physics Letters, 2020, 117, 261601.	3.3	1
25	Giant Electric Bias-Induced Tunability of Photoluminescence and Photoresistance in Hybrid Perovskite Films on Ferroelectric Substrates. Advanced Optical Materials, 2019, 7, 1901092.	7.3	8
26	Modified photoelectric properties of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> via surface passivation induced by argon ions bombardment. Thin Solid Films, 2019, 685, 360-365.	1.8	3
27	Two-Dimensional Electron Gases at LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Nanostructured Heterointerfaces with a Buffering Layer for Oxide-Based Electronics. ACS Applied Nano Materials, 2019, 2, 7197-7203.	5.0	6
28	Magnetic Conductive Outer Layer in Oxygen-Deficient TiO <sub>2</sub> Single Crystals. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900160.	2.4	2
29	Doped Manipulation of Photoluminescence and Carrier Lifetime from CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Thin Films. ACS Applied Materials & Interfaces, 2019, 11, 16174-16180.	8.0	13
30	Influence of annealing temperature on physical properties of NaNbO <sub>3</sub> thin films prepared by a water-based sol-gel process. Journal of Applied Physics, 2019, 126, 225101.	2.5	5
31	Thickness dependence of photoresponsive properties at SrTiO <sub>3</sub> -based oxide heterointerfaces under different strains. Journal of Materials Science, 2019, 54, 108-115.	3.7	13
32	Highly conductive two-dimensional electron gas at the interface of Al <sub>2</sub> O <sub>3</sub> /SrTiO <sub>3</sub> . Journal of Materials Science, 2019, 54, 4780-4787.	3.7	9
33	Large recoverable energy density with excellent thermal stability in Mn-modified NaNbO <sub>3</sub> -CaZrO <sub>3</sub> lead-free thin films. Journal of the American Ceramic Society, 2018, 101, 3460-3467.	3.8	57
34	Orientation Dependence of Columnar Dendritic Growth with Sidebranching Behaviors in Directional Solidification: Insights from Phase-Field Simulations. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 1547-1559.	2.1	17
35	Phase-field crystal simulation facet and branch crystal growth. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	9
36	Magnetism Control by Doping in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Heterointerfaces. ACS Applied Materials & Interfaces, 2018, 10, 14209-14213.	8.0	33

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37	Enhanced Photoresponsive Properties of Perovskite Films on Metal Oxide LaAlO <sub>3</sub> Substrates. Journal of Physical Chemistry C, 2018, 122, 10495-10500.	3.1	12
38	Review of photoresponsive properties at SrTiO <sub>3</sub> -based heterointerfaces. Chinese Physics B, 2018, 27, 117804.	1.4	11
39	Quasi-two-dimensional electron gas at $\hat{\Gamma}^3$ -Al <sub>2</sub> O <sub>3</sub> /SrTiO <sub>3</sub> heterointerfaces fabricated by spin coating method. Journal of Applied Physics, 2018, 124, .	2.5	8
40	Enhanced magneto-electric effect in manganite tricolor superlattice with artificially broken symmetry. Chinese Physics B, 2018, 27, 097701.	1.4	1
41	Designing CdS/Se heterojunction as high-performance self-powered UV-visible broadband photodetector. APL Materials, 2018, 6, 076106.	5.1	22
42	Dynamic evolution of photogenerated carriers at complex oxide heterointerfaces. Journal of Applied Physics, 2018, 124, 035302.	2.5	7
43	The tunable optical magneto-electric effect in patterned manganese oxide superlattices. Applied Physics Letters, 2018, 112, 192904.	3.3	2
44	Orientation-Dependent Optical Magnetoelectric Effect in Patterned BaTiO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> Heterostructures. ACS Applied Materials & Interfaces, 2018, 10, 30895-30900.	8.0	8
45	Temperature-dependent photovoltage response in La <sub>0.9</sub> Li <sub>0.1</sub> MnO <sub>3</sub> /SrTiO <sub>3</sub> -Nb heterojunction induced by a low intensity pulse laser. Solid State Communications, 2017, 251, 35-38.	1.9	7
46	Tunability of Band Gap and Photoluminescence in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Films by Anodized Aluminum Oxide Templates. Scientific Reports, 2017, 7, 1918.	3.3	29
47	Modulation of persistent magnetoresistance by piezo-strain effect in manganite-based heterostructures. Applied Physics Letters, 2017, 110, .	3.3	14
48	Photoexcited-carrier transport in barium strontium titanate/strontium titanate heterostructures. Journal of Applied Physics, 2017, 122, 115307.	2.5	5
49	Modulated Transport Behavior of Two-Dimensional Electron Gas at Ni-Doped LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Heterointerfaces. ACS Applied Materials & Interfaces, 2017, 9, 39011-39017.	8.0	36
50	Bandgap Narrowing in Bi-Doped CH <sub>3</sub> NH <sub>3</sub> PbCl <sub>3</sub> Perovskite Single Crystals and Thin Films. Journal of Physical Chemistry C, 2017, 121, 17436-17441.	3.1	78
51	The Frustration-induced Ferroelectricity of a Manganite Tricolor Superlattice with Artificially Broken Symmetry. Scientific Reports, 2017, 7, 6201.	3.3	9
52	Degenerate seaweed to tilted dendrite transition and their growth dynamics in directional solidification of non-axially oriented crystals: a phase-field study. Scientific Reports, 2016, 6, 26625.	3.3	50
53	Electrical-Transport and Magnetodielectric Properties in YMnO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> Heterostructure. Journal of Physical Chemistry C, 2016, 120, 22318-22322.	3.1	11
54	Phase-field modeling of epitaxial growth with the Ehrlich-Schwoebel barrier: Model validation and application. Science China Technological Sciences, 2015, 58, 753-762.	4.0	1

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55	Photoinduced modulation and relaxation characteristics in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterointerface. Scientific Reports, 2015, 5, 8778.	3.3	48
56	Stability range of tilted dendritic arrays during directional solidification. Science China Technological Sciences, 2014, 57, 2530-2535.	4.0	2
57	Photoinduced phase transition and relaxation in bare SrTiO <sub>3</sub> single crystals. Journal of Applied Physics, 2013, 114, .	2.5	16
58	Suppression of photovoltaic effect by magnetic field in Pr <sub>0.65</sub> (Ca <sub>0.75</sub> Sr <sub>0.25</sub> ) <sub>0.35</sub> MnO <sub>3</sub> /Nb:SrTiO <sub>3</sub> heterostructure. Applied Physics Letters, 2013, 103, .	3.3	11
59	Dependence of negative differential resistance on electronic phase separation in unpatterned manganite films. Applied Physics Letters, 2012, 100, 062402.	3.3	17
60	Tunable photovoltaic effect and solar cell performance of self-doped perovskite SrTiO <sub>3</sub> . AIP Advances, 2012, 2, .	1.3	28
61	Rectifying and photovoltaic properties in La <sub>0.7</sub> Sr <sub>0.3</sub> CoO <sub>3</sub> /Si heterostructure. Applied Physics A: Materials Science and Processing, 2012, 106, 219-222.	2.3	2
62	Transport and photoinduced properties in highly Sr-deficient manganite films. Applied Physics A: Materials Science and Processing, 2009, 95, 789-792.	2.3	9
63	Positive colossal magnetoresistance effect in ZnO/La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> heterostructure. Applied Physics Letters, 2008, 92, .	3.3	46
64	Photoinduced effect on carrier transport properties in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /Si heterostructure. Journal Physics D: Applied Physics, 2008, 41, 045105.	2.8	16
65	Photoinduced effect in charge-ordering La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> film. Journal of Applied Physics, 2007, 101, 083701.	2.5	21
66	Photoinduced characteristics in La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> film. Journal of Materials Science, 2007, 42, 9617-9621.	3.7	20
67	Voltage-induced resistance change in La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> film. Journal of Materials Science, 2006, 41, 3881-3883.	3.7	5
68	Manipulation of perovskite film by bias-induced reversible lattice deformation toward tunable photoelectric performances. Nano Select, 0, .	3.7	0