

# Kexin Jin

## List of Publications by Year in descending order

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| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Bandgap Narrowing in Bi-Doped $\text{CH}_3\text{NH}_3\text{PbCl}_3$ Perovskite Single Crystals and Thin Films. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17436-17441.  | 3.1 | 78        |
| 2  | Large recoverable energy density with excellent thermal stability in Mn <sup>2+</sup> -modified $\text{NaNbO}_3/\text{CaZrO}_3$ lead-free thin films. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3460-3467.   | 3.8 | 57        |
| 3  | Degenerate seaweed to tilted dendrite transition and their growth dynamics in directional solidification of non-axially oriented crystals: a phase-field study. <i>Scientific Reports</i> , 2016, 6, 26625.  | 3.3 | 50        |
| 4  | Photoinduced modulation and relaxation characteristics in $\text{LaAlO}_3/\text{SrTiO}_3$ heterointerface. <i>Scientific Reports</i> , 2015, 5, 8778.  | 3.3 | 48        |
| 5  | Positive colossal magnetoresistance effect in $\text{ZnO} \cdot \text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ heterostructure. <i>Applied Physics Letters</i> , 2008, 92, .  | 3.3 | 46        |
| 6  | Modulated Transport Behavior of Two-Dimensional Electron Gas at Ni-Doped $\text{LaAlO}_3/\text{SrTiO}_3$ Heterointerfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39011-39017.   | 8.0 | 36        |
| 7  | Tuning Magnetism and Photocurrent in Mn-Doped Organic-Inorganic Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2577-2584.   | 4.6 | 36        |
| 8  | Magnetism Control by Doping in $\text{LaAlO}_3/\text{SrTiO}_3$ Heterointerfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 14209-14213.  | 8.0 | 33        |
| 9  | Tunability of Band Gap and Photoluminescence in $\text{CH}_3\text{NH}_3\text{PbI}_3$ Films by Anodized Aluminum Oxide Templates. <i>Scientific Reports</i> , 2017, 7, 1918.  | 3.3 | 29        |
| 10 | Tunable photovoltaic effect and solar cell performance of self-doped perovskite $\text{SrTiO}_3$ . <i>AIP Advances</i> , 2012, 2, .  | 1.3 | 28        |
| 11 | Designing CdS/Se heterojunction as high-performance self-powered UV-visible broadband photodetector. <i>APL Materials</i> , 2018, 6, 076106.   | 5.1 | 22        |
| 12 | Photoinduced effect in charge-ordering $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ film. <i>Journal of Applied Physics</i> , 2007, 101, 083701.   | 2.5 | 21        |
| 13 | Photoinduced characteristics in $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ film. <i>Journal of Materials Science</i> , 2007, 42, 9617-9621.  | 3.7 | 20        |
| 14 | Dependence of negative differential resistance on electronic phase separation in unpatterned manganite films. <i>Applied Physics Letters</i> , 2012, 100, 062402.  | 3.3 | 17        |
| 15 | Orientation Dependence of Columnar Dendritic Growth with Sidebranching Behaviors in Directional Solidification: Insights from Phase-Field Simulations. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 1547-1559. | 2.1 | 17        |
| 16 | Photoinduced effect on carrier transport properties in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{Si}$ heterostructure. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 045105.   | 2.8 | 16        |
| 17 | Photoinduced phase transition and relaxation in bare $\text{SrTiO}_3$ single crystals. <i>Journal of Applied Physics</i> , 2013, 114, .  | 2.5 | 16        |
| 18 | Modulation of persistent magnetoresistance by piezo-strain effect in manganite-based heterostructures. <i>Applied Physics Letters</i> , 2017, 110, .   | 3.3 | 14        |

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|----|---|-----|-----------|
| 19 | Circular Photogalvanic Effect in Oxide Two-Dimensional Electron Gases. <i>Physical Review Letters</i> , 2022, 128, 187401.  | 7.8 | 14        |
| 20 | Doped Manipulation of Photoluminescence and Carrier Lifetime from $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16174-16180.                              | 8.0 | 13        |
| 21 | Thickness dependence of photoresponsive properties at $\text{SrTiO}_3$ -based oxide heterointerfaces under different strains. <i>Journal of Materials Science</i> , 2019, 54, 108-115.  | 3.7 | 13        |
| 22 | Enhanced Photoresponsive Properties of Perovskite Films on Metal Oxide $\text{LaAlO}_3$ Substrates. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10495-10500.  | 3.1 | 12        |
| 23 | Suppression of photovoltaic effect by magnetic field in $\text{Pr}_{0.65}(\text{Ca}_{0.75}\text{Sr}_{0.25})_{0.35}\text{MnO}_3/\text{Nb}:\text{SrTiO}_3$ heterostructure. <i>Applied Physics Letters</i> , 2013, 103, .           | 3.3 | 11        |
| 24 | Electrical-Transport and Magnetodielectric Properties in $\text{YMnO}_3/\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Heterostructure. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22318-22322.                           | 3.1 | 11        |
| 25 | Review of photoresponsive properties at $\text{SrTiO}_3$ -based heterointerfaces. <i>Chinese Physics B</i> , 2018, 27, 117804.  | 1.4 | 11        |
| 26 | Transport and photoinduced properties in highly Sr-deficient manganite films. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 789-792.   | 2.3 | 9         |
| 27 | The Frustration-induced Ferroelectricity of a Manganite Tricolor Superlattice with Artificially Broken Symmetry. <i>Scientific Reports</i> , 2017, 7, 6201.   | 3.3 | 9         |
| 28 | Phase-field crystal simulation facet and branch crystal growth. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.  | 2.3 | 9         |
| 29 | Highly conductive two-dimensional electron gas at the interface of $\text{Al}_2\text{O}_3/\text{SrTiO}_3$ . <i>Journal of Materials Science</i> , 2019, 54, 4780-4787.  | 3.7 | 9         |
| 30 | Quasi-two-dimensional electron gas at $\hat{\Gamma}^3\text{-Al}_2\text{O}_3/\text{SrTiO}_3$ heterointerfaces fabricated by spin coating method. <i>Journal of Applied Physics</i> , 2018, 124, .                                  | 2.5 | 8         |
| 31 | Orientation-Dependent Optical Magnetoelectric Effect in Patterned $\text{BaTiO}_3/\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30895-30900.          | 8.0 | 8         |
| 32 | Giant Electric Bias-Induced Tunability of Photoluminescence and Photoresistance in Hybrid Perovskite Films on Ferroelectric Substrates. <i>Advanced Optical Materials</i> , 2019, 7, 1901092.                                     | 7.3 | 8         |
| 33 | Temperature-dependent photovoltage response in $\text{La}_{0.9}\text{Li}_{0.1}\text{MnO}_3/\text{SrTiO}_3\text{-Nb}$ heterojunction induced by a low intensity pulse laser. <i>Solid State Communications</i> , 2017, 251, 35-38. | 1.9 | 7         |
| 34 | Dynamic evolution of photogenerated carriers at complex oxide heterointerfaces. <i>Journal of Applied Physics</i> , 2018, 124, 035302.  | 2.5 | 7         |
| 35 | Ferroelectricity-like Polarization and Metallicity at $\text{GdAlO}_3/\text{SrTiO}_3$ Heterointerfaces. <i>Journal of Physical Chemistry C</i> , 2022, 126, 611-616.  | 3.1 | 7         |
| 36 | Two-Dimensional Electron Gases at $\text{LaAlO}_3/\text{SrTiO}_3$ Nanostructured Heterointerfaces with a Buffering Layer for Oxide-Based Electronics. <i>ACS Applied Nano Materials</i> , 2019, 2, 7197-7203.                     | 5.0 | 6         |

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|----|--|------|-----------|
| 37 | Giant enhancing photoresponse at LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces by the nickelate buffer layer. Applied Physics Letters, 2020, 117, .  | 3.3  | 6         |
| 38 | Revealing the Photocharge-Transfer Mechanism at Manganite-Buffered LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interfaces by Giant Photoresponse. ACS Applied Materials & Interfaces, 2020, 12, 11197-11203.                            | 8.0  | 6         |
| 39 | Display of Spin-Orbit Coupling at ReAlO <sub>3</sub> /SrTiO <sub>3</sub> (Re = La, Pr, Nd, Sm, and Gd) Heterointerfaces. ACS Applied Materials & Interfaces, 2021, 13, 21964-21970.  | 8.0  | 6         |
| 40 | Voltage-induced resistance change in La <sub>2</sub> /3Sr <sub>1</sub> /3MnO <sub>3</sub> film. Journal of Materials Science, 2006, 41, 3881-3883.   | 3.7  | 5         |
| 41 | Photoexcited-carrier transport in barium strontium titanate/strontium titanate heterostructures. Journal of Applied Physics, 2017, 122, 115307.  | 2.5  | 5         |
| 42 | 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         |
| 43 | 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         |
| 44 | Manipulating Spin-Orbit Coupling at Oxide Interfaces by Lanthanum Cobaltate. ACS Applied Electronic Materials, 2022, 4, 1117-1123.   | 4.3  | 5         |
| 45 | Anomalous Hall effect superimposed in polycrystalline SrRuO <sub>3</sub> thick film. Applied Physics Letters, 2022, 120, .   | 3.3  | 5         |
| 46 | 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         |
| 47 | Photoresponsive properties at (001), (111) and (110) LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces. Journal of Physics Condensed Matter, 2020, 32, 135002.   | 1.8  | 4         |
| 48 | 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         |
| 49 | Tunable dielectric and energy storage properties in nonstoichiometric NaNbO <sub>3</sub> thin films. Ceramics International, 2022, 48, 16215-16220.  | 4.8  | 4         |
| 50 | First observation of magnon transport in organic-inorganic hybrid perovskite. Matter, 2022, , .  | 10.0 | 4         |
| 51 | 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         |
| 52 | Modulated in-plane carrier distribution of oxide two-dimensional electron gas systems by light assisted electrostatic gating. Journal Physics D: Applied Physics, 2020, 53, 225102.  | 2.8  | 3         |
| 53 | Controlling transport properties at LaFeO <sub>3</sub> /SrTiO <sub>3</sub> interfaces by defect engineering. Journal of Physics Condensed Matter, 2021, 33, 245001.  | 1.8  | 3         |
| 54 | Manipulation of 2DEG at double-doped high-entropy heterointerfaces. Nanoscale, 2022, 14, 9771-9780.  | 5.6  | 3         |

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|----|--|-----|-----------|
| 55 | 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         |
| 56 | Stability range of tilted dendritic arrays during directional solidification. Science China Technological Sciences, 2014, 57, 2530-2535.   | 4.0 | 2         |
| 57 | The tunable optical magneto-electric effect in patterned manganese oxide superlattices. Applied Physics Letters, 2018, 112, 192904.  | 3.3 | 2         |
| 58 | 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         |
| 59 | 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         |
| 60 | Orientation-dependent crack patterns at the surface of SrTiO <sub>3</sub> crystals induced by laser irradiation. Physica B: Condensed Matter, 2022, 637, 413853.                             | 2.7 | 2         |
| 61 | 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         |
| 62 | Enhanced magneto-electric effect in manganite tricolor superlattice with artificially broken symmetry. Chinese Physics B, 2018, 27, 097701.  | 1.4 | 1         |
| 63 | A comparison of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterointerfaces grown by spin coating and pulsed laser deposition methods. Journal of Crystal Growth, 2021, 558, 125912.             | 1.5 | 1         |
| 64 | Review on fabrication methods of SrTiO <sub>3</sub> -based two dimensional conductive interfaces. EPJ Applied Physics, 2021, 93, 21302.  | 0.7 | 1         |
| 65 | 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         |
| 66 | Quasi two-dimensional electron gas generated by laser irradiation at rutile TiO <sub>2</sub> surface. Scripta Materialia, 2022, 216, 114741.   | 5.2 | 1         |
| 67 | Nonlinear diffusion potential induced anti-ohmic effect. Journal Physics D: Applied Physics, 2020, 53, 185304.   | 2.8 | 0         |
| 68 | Manipulation of perovskite film by bias-induced reversible lattice deformation toward tunable photoelectric performances. Nano Select, 0, , .  | 3.7 | 0         |