

Ki-Tae Eom

List of Publications by Year in descending order

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16
papers

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1307594

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17
times ranked

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#	ARTICLE	IF	CITATIONS
1	Oxide Two-Dimensional Electron Gas with High Mobility at Room-Temperature. <i>Advanced Science</i> , 2022, 9, e2105652.	11.2	7
2	Variance-aware weight quantization of multi-level resistive switching devices based on Pt/LaAlO ₃ /SrTiO ₃ heterostructures. <i>Scientific Reports</i> , 2022, 12, .	3.3	6
3	Strong Interfacial Charge Trapping in Ultrathin SrRuO ₃ on SrTiO ₃ Probed by Noise Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5618-5625.	4.6	4
4	Cooperative evolution of polar distortion and nonpolar rotation of oxygen octahedra in oxide heterostructures. <i>Science Advances</i> , 2021, 7, .	10.3	20
5	One-dimensional Kronig-Penney superlattices at the LaAlO ₃ /SrTiO ₃ interface. <i>Nature Physics</i> , 2021, 17, 782-787.	16.7	9
6	Gate-tunable optical extinction of graphene nanoribbon nanoclusters. <i>APL Materials</i> , 2021, 9, 071101.	5.1	1
7	Electronically reconfigurable complex oxide heterostructure freestanding membranes. <i>Science Advances</i> , 2021, 7, .	10.3	15
8	Hot Electron Tunneling in Pt/LaAlO ₃ /SrTiO ₃ Heterostructures for Enhanced Photodetection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47208-47217.	8.0	8
9	Low-voltage magnetoelectric coupling in membrane heterostructures. <i>Science Advances</i> , 2021, 7, eabh2294.	10.3	18
10	In-plane quasi-single-domain BaTiO ₃ via interfacial symmetry engineering. <i>Nature Communications</i> , 2021, 12, 6784.	12.8	16
11	Engineered spin-orbit interactions in LaAlO ₃ /SrTiO ₃ -based 1D serpentine electron waveguides. <i>Science Advances</i> , 2020, 6, .	10.3	10
12	Gate-Tunable Optical Nonlinearities and Extinction in Graphene/LaAlO ₃ /SrTiO ₃ Nanostructures. <i>Nano Letters</i> , 2020, 20, 6966-6973.	9.1	6
13	Nanoscale control of LaAlO ₃ /SrTiO ₃ metal-insulator transition using ultra-low-voltage electron-beam lithography. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	5
14	Electron-Lattice Coupling in Correlated Materials of Low Electron Occupancy. <i>Nano Letters</i> , 2017, 17, 5458-5463.	9.1	6
15	Oxygen Vacancy Linear Clustering in a Perovskite Oxide. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3500-3505.	4.6	48
16	Effect of Laser Fluence on Electrical Properties of (Sr _{0.75} La _{0.25})TiO ₃ Thin Films Grown by Pulsed-Laser-Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8762-8765.	0.9	1