

# Ariando

## List of Publications by Year in descending order

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195  
papers

6,496  
citations

70961

41  
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88477

70  
g-index

200  
all docs

200  
docs citations

200  
times ranked

7813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupled harmonic oscillator models for correlated plasmons in one-dimensional and quasi-one-dimensional systems. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 065601.	0.7	0
2	Observation of perfect diamagnetism and interfacial effect on the electronic structures in infinite layer Nd <sub>0.8</sub> Sr <sub>0.2</sub> NiO <sub>2</sub> superconductors. <i>Nature Communications</i> , 2022, 13, 743.	5.8	34
3	Infinite-Layer Nickelate Superconductors: A Current Experimental Perspective of the Crystal and Electronic Structures. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	10
4	Unravelling a new many-body large-hole polaron in a transition metal oxide that promotes high photocatalytic activity. <i>NPG Asia Materials</i> , 2022, 14, .	3.8	5
5	Superconductivity in infinite-layer nickelate La <sub>1-x</sub> Ca <sub>x</sub> NiO <sub>2</sub> thin films. <i>Science Advances</i> , 2022, 8, eabl9927.	4.7	90
6	Correlated cation lattice symmetry and oxygen octahedral rotation in perovskite oxide heterostructures. <i>Journal of Applied Physics</i> , 2021, 129, 025303.	1.1	2
7	Antiferromagnetic half-skyrmions and bimerons at room temperature. <i>Nature</i> , 2021, 590, 74-79.	13.7	121
8	Reversible hydrogen control of antiferromagnetic anisotropy in $\text{Fe}_2\text{O}_3$ . <i>Nature Communications</i> , 2021, 12, 1668.	5.8	30
9	Chemical Vapor Deposition of Superconducting FeTe <sub>1-x</sub> Se <sub>x</sub> Nanosheets. <i>Nano Letters</i> , 2021, 21, 5338-5344.	4.5	15
10	Decision trees within a molecular memristor. <i>Nature</i> , 2021, 597, 51-56.	13.7	78
11	A New Spin-Correlated Plasmon in Novel Highly Oriented Single-Crystalline Gold Quantum Dots. <i>Nano Letters</i> , 2021, 21, 7448-7456.	4.5	7
12	Electronic subbands in the interface revealed by quantum oscillations in high magnetic fields. <i>Physical Review Research</i> , 2021, 3, .		
13	Multifunctional oxides for topological magnetic textures by design. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 093001.	1.3	3
14	Skyrmionics in correlated oxides. <i>MRS Bulletin</i> , 2021, 46, 1053-1062.	1.7	5
15	Enhanced Magnetic Anisotropy and Orbital Symmetry Breaking in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2020, 30, 1909536.	7.8	17
16	Phase Diagram and Superconducting Dome of Infinite-Layer Nd <sub>1-x</sub> Thin Film. <i>Physical Review Letters</i> , 2020, 125, 147003.	2.9	204
17	Organic Memristors: Nanometer-Scale Uniform Conductance Switching in Molecular Memristors ( <i>Adv. Mater.</i> 42(2020)). <i>Advanced Materials</i> , 2020, 32, 2070318.	11.1	2
18	Magnetic Anisotropy of a Quasi Two-Dimensional Canted Antiferromagnet. <i>Nano Letters</i> , 2020, 20, 1890-1895.	4.5	13

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19	Interfacial Oxygen-Driven Charge Localization and Plasmon Excitation in Unconventional Superconductors. <i>Advanced Materials</i> , 2020, 32, 2000153.	11.1	10
20	Graphene: Room-Temperature Colossal Magnetoresistance in Terraced Single-Layer Graphene (Adv. Tj ETQq0 0 0 rgBT /Qverlock 10	11.1	2
21	Emergent Topological Hall Effect at a Charge-Transfer Interface. <i>Small</i> , 2020, 16, e2004683.	5.2	14
22	Phase-controllable growth of ultrathin 2D magnetic FeTe crystals. <i>Nature Communications</i> , 2020, 11, 3729.	5.8	120
23	Room-Temperature Colossal Magnetoresistance in Terraced Single-Layer Graphene. <i>Advanced Materials</i> , 2020, 32, e2002201.	11.1	25
24	Cuprate Thin Films: Interfacial Oxygen-Driven Charge Localization and Plasmon Excitation in Unconventional Superconductors (Adv. Mater. 34/2020). <i>Advanced Materials</i> , 2020, 32, 2070257.	11.1	0
25	Tunable and enhanced Rashba spin-orbit coupling in iridate-manganite heterostructures. <i>Physical Review B</i> , 2020, 102, .	1.1	21
26	Nanometer-Scale Uniform Conductance Switching in Molecular Memristors. <i>Advanced Materials</i> , 2020, 32, e2004370.	11.1	18
27	Optically Controllable 2D Material/Complex Oxide Heterointerface. <i>Advanced Science</i> , 2020, 7, 2002393.	5.6	5
28	Role of hybridization and on-site correlations in generating plasmons in strongly correlated $La_{2-x}Mn_2O_{7-x}$ <i>Physical Review B</i> , 2020, 101, .	11.1	2
29	Correlated plasmons in the topological insulator Bi <sub>2</sub> Se <sub>3</sub> induced by long-range electron correlations. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	11
30	Spin Correlated-Plasmons at Room Temperature Driven by Electronic Correlations in Lead-Free 2D Hybrid Organic-Inorganic Perovskites. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14272-14278.	1.5	5
31	Characteristic Lengths of Interlayer Charge Transfer in Correlated Oxide Heterostructures. <i>Nano Letters</i> , 2020, 20, 2493-2499.	4.5	11
32	Atomic Origin of Interface-Dependent Oxygen Migration by Electrochemical Gating at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Heterointerface. <i>Advanced Science</i> , 2020, 7, 2000729.	5.6	2
33	Unusual Hole and Electron Midgap States and Orbital Reconstructions Induced Huge Ferroelectric Tunneling Electroresistance in BaTiO <sub>3</sub> /SrTiO <sub>3</sub> . <i>Nano Letters</i> , 2020, 20, 1101-1109.	4.5	7
34	Review on ferroelectric/polar metals. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SI0802.	0.8	53
35	Aperiodic quantum oscillations in the two-dimensional electron gas at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	16
36	Topological Hall Effect: Emergent Topological Hall Effect at a Charge-Transfer Interface (Small) Tj ETQq0 0 0 rgBT /Qverlock 10 Tf 50 6	5.2	1

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37	Formation of two-dimensional small polarons at the conducting $\text{LaAlO}_3/\text{SrTiO}_3$ interface. <i>Physical Review B</i> , 2019, 100, .		
38	Excitons: Modulation of New Excitons in Transition Metal Dichalcogenide/Perovskite Oxide System (Adv. Sci. 12/2019). <i>Advanced Science</i> , 2019, 6, 1970073.	5.6	3
39	Tunable spin and orbital polarization in $\text{SrTiO}_3$ -based heterostructures. <i>New Journal of Physics</i> , 2019, 21, 103016.	1.2	10
40	Artificial two-dimensional polar metal by charge transfer to a ferroelectric insulator. <i>Communications Physics</i> , 2019, 2, .	2.0	26
41	Quantum Correlated Plasmons and Their Tunability in Undoped and Doped Mott-Insulator Cuprates. <i>ACS Photonics</i> , 2019, 6, 3281-3289.	3.2	9
42	Optical Properties of Bacteriorhodopsin/Gold Bionano Interfaces. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26516-26521.	1.5	1
43	Correlated Lattice Instability and Emergent Charged Domain Walls at Oxide Heterointerfaces. <i>Advanced Functional Materials</i> , 2019, 29, 1906655.	7.8	6
44	Erasable and recreatable two-dimensional electron gas at the heterointerface of $\text{SrTiO}_3$ and a water-dissolvable overlayer. <i>Science Advances</i> , 2019, 5, eaaw7286.	4.7	24
45	Modulation of New Excitons in Transition Metal Dichalcogenide/Perovskite Oxide System. <i>Advanced Science</i> , 2019, 6, 1900446.	5.6	6
46	Controlling the Magnetic Properties of $\text{LaMnO}_3/\text{SrTiO}_3$ Heterostructures by Stoichiometry and Electronic Reconstruction: Atomic-Scale Evidence. <i>Advanced Materials</i> , 2019, 31, 1901386.	11.1	27
47	New Family of Plasmonic Photocatalysts without Noble Metals. <i>Chemistry of Materials</i> , 2019, 31, 2320-2327.	3.2	25
48	Dielectric resonator method for determining gap symmetry of superconductors through anisotropic nonlinear Meissner effect. <i>Review of Scientific Instruments</i> , 2019, 90, 043901.	0.6	8
49	Ferromagnet/Two-Dimensional Semiconducting Transition-Metal Dichalcogenide Interface with Perpendicular Magnetic Anisotropy. <i>ACS Nano</i> , 2019, 13, 2253-2261.	7.3	31
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55	Signatures of electronic nematicity in (111) $\text{LaAlO}_3/\text{SrTiO}_3$ interfaces. <i>Physical Review B</i> , 2018, 98, .	1.1	8
56	Control of Synaptic Plasticity Learning of Ferroelectric Tunnel Memristor by Nanoscale Interface Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12862-12869.	4.0	109
57	Direct Observation of Room-Temperature Stable Magnetism in $\text{LaAlO}_3/\text{SrTiO}_3$ Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9774-9781.	4.0	12
58	Modulation of Manganite Nanofilm Properties Mediated by Strong Influence of Strontium Titanate Excitons. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 35563-35570.	4.0	5
59	Comparison of Typical Photocatalytic Systems with Intrinsic Plasmonic Photocatalysts Based on Strontium Niobate for Water Splitting. <i>Energy Technology</i> , 2018, 6, 60-71.	1.8	5
60	Generation of multiple plasmons in strontium niobates mediated by local field effects. <i>Physical Review B</i> , 2018, 98, .	1.1	20
61	Oxygen Electromigration and Energy Band Reconstruction Induced by Electrolyte Field Effect at Oxide Interfaces. <i>Physical Review Letters</i> , 2018, 121, 146802.	2.9	30
62	Anatase $\text{TiO}_2$ A Model System for Large Polaron Transport. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 38201-38208.	4.0	19
63	Strong spin-orbit coupling and magnetism in (111) $(\text{La}_{0.3}\text{Sr}_{0.7})(\text{Al}_{0.65}\text{Ta}_{0.35})\text{O}_3/\text{SrTiO}_3$ . <i>Physical Review B</i> , 2018, 98, .	1.1	3
64	Oxygen electronic screening and hybridization determining the insulator-metal transition of $\text{EuMn}_2\text{O}_7$ . <i>Physical Review B</i> , 2018, 98, .	1.1	2
65	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. <i>Advanced Functional Materials</i> , 2018, 28, 1801766.	7.8	18
66	Tuning Bifunctional Oxygen Electrocatalysts by Changing the Site Rare Earth Element in Perovskite Nickelates. <i>Advanced Functional Materials</i> , 2018, 28, 1803712.	7.8	122
67	Anisotropic superconductivity and frozen electronic states at the (111) $\text{LaAlO}_3/\text{SrTiO}_3$ interface. <i>Physical Review B</i> , 2018, 98, .		
68	Interface Engineering and Emergent Phenomena in Oxide Heterostructures. <i>Advanced Materials</i> , 2018, 30, e1802439.	11.1	118
69	Mott variable range hopping and bad-metal in lightly doped spin-orbit Mott insulator $\text{BaIrO}_3$ . <i>Physical Review Materials</i> , 2018, 2, .	0.9	2
70	Effect of Extrinsically Introduced Passive Interface Layer on the Performance of Ferroelectric Tunnel Junctions. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5050-5055.	4.0	15
71	Anisotropic multicarrier transport at the (111) $\text{LaAlO}_3/\text{SrTiO}_3$ interface. <i>Physical Review B</i> , 2017, 95, .		22
72	Self-powered sensitive and stable UV-visible photodetector based on $\text{GdNiO}_3/\text{Nb-doped SrTiO}_3$ heterojunctions. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	35

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73	Multi-Nonvolatile State Resistive Switching Arising from Ferroelectricity and Oxygen Vacancy Migration. <i>Advanced Materials</i> , 2017, 29, 1606165.	11.1	84
74	Electron transport and visible light absorption in a plasmonic photocatalyst based on strontium niobate. <i>Nature Communications</i> , 2017, 8, 15070.	5.8	64
75	Tunable and low-loss correlated plasmons in Mott-like insulating oxides. <i>Nature Communications</i> , 2017, 8, 15271.	5.8	42
76	Electrical Transport Anisotropy Controlled by Oxygen Vacancy Concentration in (111) $\text{LaAlO}_3/\text{SrTiO}_3$ Interface Structures. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600830.	1.9	13
77	Investigation of the metal-insulator transition in $\text{NdNiO}_3$ films by site-selective X-ray absorption spectroscopy. <i>Nanoscale</i> , 2017, 9, 6094-6102.	2.8	28
78	Magnetoresistance in the superconducting state at the (111) $\text{LaAlO}_3/\text{SrTiO}_3$ interface. <i>Physical Review B</i> , 2017, 95, 074402.	1.1	14
79	The Mechanism of Electrolyte Gating on High- $T_c$ Cuprates: The Role of Oxygen Migration and Electrostatics. <i>ACS Nano</i> , 2017, 11, 9950-9956.	7.3	21
80	Unraveling local spin polarization of Zhang-Rice singlet in lightly hole-doped cuprates using high-energy optical conductivity. <i>Physical Review B</i> , 2017, 95, .	1.1	15
81	Electrostatic tuning of magnetism at the conducting (111) $(\text{La}_{0.3}\text{Sr}_{0.7})(\text{Al}_{0.65}\text{Ta}_{0.35})/\text{SrTiO}_3$ interface. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	6
82	Oxygen Passivation Mediated Tunability of Trion and Excitons in $\text{MoS}_2$ . <i>Physical Review Letters</i> , 2017, 119, 077402.	2.9	55
83	La interstitial defect-induced insulator-metal transition in the oxide heterostructures $\text{LaAlO}_3/\text{SrTiO}_3$ . <i>Physical Review B</i> , 2017, 96, .	1.1	18
84	Decreasing the Hydroxylation Affinity of $\text{LaSrMnO}_3$ Perovskites To Promote Oxygen Reduction Electrocatalysis. <i>Chemistry of Materials</i> , 2017, 29, 9990-9997.	3.2	37
85	Giant crystalline anisotropic magnetoresistance in nonmagnetic perovskite oxide heterostructures. <i>Physical Review B</i> , 2017, 95, .	1.1	18
86	Polarization behavior of zinc oxide thin films studied by temperature dependent spectroscopic ellipsometry. <i>Optical Materials Express</i> , 2017, 7, 3902.	1.6	16
87	Interface-Induced Enhancement of Ferromagnetism in Insulating $\text{LaMnO}_3$ Ultrathin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44931-44937.	4.0	23
88	Electrical properties and subband occupancy at the $\text{LaAlO}_3/\text{SrTiO}_3$ interface. <i>Physical Review Materials</i> , 2017, 1, .	0.9	8
89	Origin and Quenching of Novel ultraviolet and blue emission in $\text{NdGaO}_3$ : Concept of Super-Hydrogenic Dopants. <i>Scientific Reports</i> , 2016, 6, 36352.	1.6	2
90	Effect of Ta concentration on the refractive index of $\text{TiO}_2:\text{Ta}$ studied by spectroscopic ellipsometry. <i>AIP Conference Proceedings</i> , 2016, .	0.3	3

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91	Magnetic Modes in Rare Earth Perovskites: A Magnetic-Field-Dependent Inelastic Light Scattering study. Scientific Reports, 2016, 6, 36859.	1.6	8
92	Drude Lorentz model for dielectric constant of multilayer epitaxial graphene on C-face SiC measured by synchrotron radiation. AIP Conference Proceedings, 2016, , .	0.3	1
93	Controlling Kondo-like Scattering at the SrTiO <sub>3</sub> -based Interfaces. Scientific Reports, 2016, 6, 25455.	1.6	35
94	High field magneto-transport in two-dimensional electron gas LaAlO <sub>3</sub> /SrTiO <sub>3</sub> . Applied Physics Letters, 2016, 109, .	1.5	22
95	Electronic defect states at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterointerface revealed by O K-edge X-ray absorption spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 13844-13851.	1.3	29
96	The Effect of Polar Fluctuation and Lattice Mismatch on Carrier Mobility at Oxide Interfaces. Nano Letters, 2016, 16, 2307-2313.	4.5	39
97	Tuning polarization states and interface properties of $\text{BaTiO}_3$ by metal capping layers. Physical Review B, 2016, 93, .		
98	Coexistence of Midgap Antiferromagnetic and Mott States in Undoped, Hole- and Electron-Doped Ambipolar Cuprates. Physical Review Letters, 2016, 116, 197002.	2.9	13
99	Local Electrical Imaging of Tetragonal Domains and Field-Induced Ferroelectric Twin Walls in Conducting $\text{SrTiO}_3$ . Physical Review Letters, 2016, 116, 257601.	2.9	43
100	Long-range magnetic coupling across a polar insulating layer. Nature Communications, 2016, 7, 11015.	5.8	19
101	Electron-soft phonon scattering in $\text{SrTiO}_3$ . Physical Review B, 2016, 94, .		8
102	Emergent nanoscale superparamagnetism at oxide interfaces. Nature Communications, 2016, 7, 12566.	5.8	51
103	Tailoring Self-Polarization of $\text{BaTiO}_3$ Thin Films by Interface Engineering and Flexoelectric Effect. Advanced Materials Interfaces, 2016, 3, 1600737.	1.9	37
104	Strong Modification of Excitons and Optical Conductivity for Different Dielectric Environments in ZnO Films. IEEE Photonics Journal, 2016, 8, 1-9.	1.0	20
105	Anomalous photoresponse in the deep-ultraviolet due to resonant excitonic effects in oxygen plasma treated few-layer graphene. Carbon, 2016, 106, 330-335.	5.4	19
106	Liquid-Gated High Mobility and Quantum Oscillation of the Two-Dimensional Electron Gas at an Oxide Interface. ACS Nano, 2016, 10, 4532-4537.	7.3	54
107	Gate Tunable In-plane and Out-of-plane Spin-Orbit Coupling and Spin-Splitting Anisotropy at LaAlO <sub>3</sub> /SrTiO <sub>3</sub> (110) Interface. Advanced Electronic Materials, 2015, 1, 1500114.	2.6	31
108	Two-dimensional superconductor-insulator quantum phase transitions in an electron-doped cuprate. Physical Review B, 2015, 92, .	1.1	44

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109	Anisotropic optical properties of rhombohedral and tetragonal thin film $\text{BiFeO}_3$ . Physical Review B, 2015, 92, .	1.1	17
110	Interplay of electronic reconstructions, surface oxygen vacancies, and lattice distortions in insulator-metal transition of $\text{LaAlO}_3$ . Physical Review B, 2015, 92, . <a href="#">Unraveling strong electronic correlations in</a>	1.1	38
111	$\text{SrTiO}_3$ thin films unveiling strong electronic correlations in $\text{LaAlO}_3/\text{SrTiO}_3$ interfaces. Physical Review B, 2015, 92, .	1.1	25
112	Unexpected observation of spatially separated Kondo scattering and ferromagnetism in Ta alloyed anatase $\text{TiO}_2$ thin films. Scientific Reports, 2015, 5, 13011.	1.6	13
113	Tailoring the Two Dimensional Electron Gas at Polar $\text{ABO}_3/\text{SrTiO}_3$ Interfaces for Oxide Electronics. Scientific Reports, 2015, 5, 13314.	1.6	23
114	Optical properties analysis of Ta-doped $\text{TiO}_2$ thin films on $\text{LaAlO}_3$ substrates. AIP Conference Proceedings, 2015, , .	0.3	2
115	Functional ferroelectric tunnel junctions on silicon. Scientific Reports, 2015, 5, 12576.	1.6	51
116	Temperature dependence of photoluminescence spectra of bilayer two-dimensional electron gases in $\text{LaAlO}_3/\text{SrTiO}_3$ superlattices: coexistence of Auger recombination and single-carrier trapping. AIP Advances, 2015, 5, .	0.6	4
117	Tuning the conductivity threshold and carrier density of two-dimensional electron gas at oxide interfaces through interface engineering. AIP Advances, 2015, 5, .	0.6	2
118	Parallel charge sheets of electron liquid and gas in $\text{La}_{0.5}\text{Sr}_{0.5}\text{TiO}_3/\text{SrTiO}_3$ heterostructures. Scientific Reports, 2015, 5, 18282.	1.6	12
119	Effect of Nb and Ta substitution on donor electron transport and ultrafast carrier dynamics in anatase $\text{TiO}_2$ thin films. Journal of Materials Chemistry C, 2015, 3, 6329-6333.	2.7	11
120	Fabrication of transparent conducting films composed of $\text{In}^{3+}$ doped $\text{CuS}$ and their application in flexible electroluminescent devices. Journal of Materials Chemistry C, 2015, 3, 8700-8705.	2.7	12
121	Unraveling how electronic and spin structures control macroscopic properties of manganite ultra-thin films. NPC Asia Materials, 2015, 7, e196-e196.	3.8	20
122	Nature of Electron Scattering in $\text{LaAlO}_3/\text{SrTiO}_3$ Interfaces Near the Critical Thickness. Advanced Materials Interfaces, 2015, 2, 1400437.	1.9	2
123	Ultrathin $\text{BaTiO}_3$ -Based Ferroelectric Tunnel Junctions through Interface Engineering. Nano Letters, 2015, 15, 2568-2573.	4.5	81
124	Mechanical Tuning of $\text{LaAlO}_3/\text{SrTiO}_3$ Interface Conductivity. Nano Letters, 2015, 15, 3547-3551.	4.5	75
125	Highly Active Epitaxial $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ Surfaces for the Oxygen Reduction Reaction: Role of Charge Transfer. Journal of Physical Chemistry Letters, 2015, 6, 1435-1440.	2.1	107
126	Electron Transport at the $\text{TiO}_2$ Surfaces of Rutile, Anatase, and Strontium Titanate: The Influence of Orbital Corrugation. ACS Applied Materials & Interfaces, 2015, 7, 24616-24621.	4.0	39



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127	Imaging and control of ferromagnetism in LaMnO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. Science, 2015, 349, 716-719.	6.0	153
128	Optical conductivity renormalization of graphene on SrTiO <sub>3</sub> due to resonant excitonic effects mediated by Ti	1.1	20
129	Optical and electronic structure of quasi-freestanding multilayer graphene on the carbon face of SiC. Europhysics Letters, 2014, 108, 37009.	0.7	13
130	Tunable bilayer two-dimensional electron gas in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> superlattices. Applied Physics Letters, 2014, 105, .	1.5	17
131	Current-driven spin orbit field in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. Applied Physics Letters, 2014, 105, .	1.5	52
132	Bandgap Enhancement: Bandgap Control of the Oxygen Vacancy Induced Two Dimensional Electron Gas in SrTiO <sub>3</sub> (Adv. Mater. Interfaces 6/2014). Advanced Materials Interfaces, 2014, 1, .	1.9	1
133	Dominant role of oxygen vacancies in electrical properties of unannealed LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces. Journal of Applied Physics, 2014, 115, .	1.1	25
134	Theoretical study of optical conductivity of graphene with magnetic and nonmagnetic adatoms. Physical Review B, 2014, 90, .	1.1	10
135	Bandgap Control of the Oxygen Vacancy Induced Two Dimensional Electron Gas in SrTiO <sub>3</sub> . Advanced Materials Interfaces, 2014, 1, 1400155.	1.9	27
136	Room Temperature Magnetic Graphene Oxide Iron Oxide Nanocomposite Based Magnetoresistive Random Access Memory Devices via Spin Dependent Trapping of Electrons. Small, 2014, 10, 1945-1952.	5.2	21
137	Large spectral weight transfer in optical conductivity of SrTiO <sub>3</sub> induced by intrinsic vacancies. Journal of Applied Physics, 2014, 115, 213706.	1.1	12
138	Biaxial strain-induced transport property changes in atomically tailored SrTiO <sub>3</sub> systems. Physical Review B, 2014, 90, .	1.1	38
139	Mechanisms of charge transfer and redistribution in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> revealed by high-energy optical conductivity. Nature Communications, 2014, 5, 3663.	5.8	70
140	Magnetic properties of L10-FePt/Fe exchange-coupled composite nanodots. Journal Physics D: Applied Physics, 2014, 47, 245001.	1.3	7
141	Tunable optical absorption and interactions in graphene via oxygen plasma. Physical Review B, 2014, 89, .	1.1	42
142	Reversible room-temperature ferromagnetism in Nb-doped SrTiO <sub>3</sub> single crystals. Physical Review B, 2013, 87, .	1.1	29
143	Anisotropic two-dimensional electron gas at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> (110) interface. Nature Communications, 2013, 4, 1838.	5.8	96
144	Oxygen electrocatalysis on (001)-oriented manganese perovskite films: Mn valency and charge transfer at the nanoscale. Energy and Environmental Science, 2013, 6, 1582.	15.6	146

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145	vacancies and anomalous spectral-weight transfer in $Ti_{1-x}Ta_xO_2$ thin films. Physical Review B, 2012, 85, 114407.	1.1	20
146	Origin of the Two-Dimensional Electron Gas at $LaAlO_3/SrTiO_3$ Heterointerfaces. Physical Review X, 2013, 3, 031047.	2.8	144
147	Tuning the Interface Conductivity of $LaAlO_3/SrTiO_3$ Using Ion Beams: Implications for Patterning. ACS Nano, 2013, 7, 10572-10581.	7.3	34
148	Magnetism at the edge: New phenomena at oxide interfaces. MRS Bulletin, 2013, 38, 1040-1047.	1.7	26
149	Conducting channel at the $LaAlO_3/SrTiO_3$ heterointerface. Physical Review Letters, 2012, 108, 186801.	1.1	13
150	Fourfold oscillation in anisotropic magnetoresistance and planar Hall effect at the $LaAlO_3/SrTiO_3$ heterointerface. Physical Review B, 2013, 87, 080401.	1.1	52
151	The influence of La substitution and oxygen reduction in ambipolar La-doped $YBa_2Cu_3O_{7-x}$ thin films. Superconductor Science and Technology, 2012, 25, 124003.	1.8	0
152	Large room-temperature quantum linear magnetoresistance in multilayered epitaxial graphene: Evidence for two-dimensional magnetotransport. Applied Physics Letters, 2012, 101, 112401.	1.5	42
153	Evolution of variable range hopping in strongly localized two dimensional electron gas at $NdAlO_3/SrTiO_3$ (100) heterointerfaces. Applied Physics Letters, 2012, 101, 231604.	1.5	14
154	Coherently coupled ZnO and VO <sub>2</sub> interface studied by photoluminescence and electrical transport across a phase transition. Applied Physics Letters, 2012, 100, 112401.	1.5	10
155	Tailoring the electronic properties of SrRuO <sub>3</sub> films in SrRuO <sub>3</sub> /LaAlO <sub>3</sub> superlattices. Applied Physics Letters, 2012, 101, 223105.	1.5	20
156	Electronic correlation and strain effects at the interfaces between polar and nonpolar complex oxides. Physical Review B, 2012, 86, 115401.	1.1	63
157	Metallic state in La-doped $YBa_2Cu_3O_{7-x}$ thin films. Physical Review B, 2012, 86, 115401.	1.1	5
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