

Yu Saito

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,843
citations

471371

17
h-index

752573

20
g-index

20
all docs

20
docs citations

20
times ranked

3955
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity protected by spin-valley locking in ion-gated MoS ₂ . Nature Physics, 2016, 12, 144-149.	6.5	419
2	Highly crystalline 2D superconductors. Nature Reviews Materials, 2017, 2, .	23.3	412
3	Independent superconductors and correlated insulators in twisted bilayer graphene. Nature Physics, 2020, 16, 926-930.	6.5	276
4	Metallic ground state in an ion-gated two-dimensional superconductor. Science, 2015, 350, 409-413.	6.0	243
5	Superconductivity Series in Transition Metal Dichalcogenides by Ionic Gating. Scientific Reports, 2015, 5, 12534.	1.6	234
6	Ambipolar Insulator-to-Metal Transition in Black Phosphorus by Ionic-Liquid Gating. ACS Nano, 2015, 9, 3192-3198.	7.3	180
7	Nonreciprocal charge transport in noncentrosymmetric superconductors. Science Advances, 2017, 3, e1602390.	4.7	180
8	Hofstadter subband ferromagnetism and symmetry-broken Chern insulators in twisted bilayer graphene. Nature Physics, 2021, 17, 478-481.	6.5	138
9	Isospin magnetism and spin-polarized superconductivity in Bernal bilayer graphene. Science, 2022, 375, 774-778.	6.0	127
10	Isospin Pomeranchuk effect in twisted bilayer graphene. Nature, 2021, 592, 220-224.	13.7	125
11	Gate-Optimized Thermoelectric Power Factor in Ultrathin WSe ₂ Single Crystals. Nano Letters, 2016, 16, 2061-2065.	4.5	123
12	Gate-Tuned Thermoelectric Power in Black Phosphorus. Nano Letters, 2016, 16, 4819-4824.	4.5	113
13	Nonreciprocal transport in gate-induced polar superconductor SrTiO ₃ . Science Advances, 2020, 6, eaay9120.	4.7	71
14	Quantum phase transitions in highly crystalline two-dimensional superconductors. Nature Communications, 2018, 9, 778.	5.8	63
15	Gate-induced superconductivity in two-dimensional atomic crystals. Superconductor Science and Technology, 2016, 29, 093001.	1.8	47
16	Deep-learning-based quality filtering of mechanically exfoliated 2D crystals. Npj Computational Materials, 2019, 5, .	3.5	46
17	Gate-controlled low carrier density superconductors: Toward the two-dimensional BCS-BEC crossover. Physical Review B, 2018, 98, .	1.1	24
18	Quantum and classical ratchet motions of vortices in a two-dimensional trigonal superconductor. Physical Review Research, 2020, 2, .	1.3	14

#	ARTICLE	IF	CITATIONS
19	Dynamical vortex phase diagram of two-dimensional superconductivity in gated MoS_2 . Physical Review Materials, 2020, 4, .	0.9	7
20	Electric-field Control of Electronic States in WS_2 Nanodevices by Electrolyte Gating. Journal of Visualized Experiments, 2018, , .	0.2	1