

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	Isospin magnetism and spin-polarized superconductivity in Bernal bilayer graphene. <i>Science</i> , 2022, 375, 774-778.	6.0	127
2	Hofstadter subband ferromagnetism and symmetry-broken Chern insulators in twisted bilayer graphene. <i>Nature Physics</i> , 2021, 17, 478-481.	6.5	138
3	Isospin Pomeranchuk effect in twisted bilayer graphene. <i>Nature</i> , 2021, 592, 220-224.	13.7	125
4	Independent superconductors and correlated insulators in twisted bilayer graphene. <i>Nature Physics</i> , 2020, 16, 926-930.	6.5	276
5	Nonreciprocal transport in gate-induced polar superconductor SrTiO ₃ . <i>Science Advances</i> , 2020, 6, eaay9120.	4.7	71
6	Dynamical vortex phase diagram of two-dimensional superconductivity in gated MoS_2 . <i>Physical Review Materials</i> , 2020, 4, .	0.9	7
7	Quantum and classical ratchet motions of vortices in a two-dimensional trigonal superconductor. <i>Physical Review Research</i> , 2020, 2, .	1.3	14
8	Deep-learning-based quality filtering of mechanically exfoliated 2D crystals. <i>Npj Computational Materials</i> , 2019, 5, .	3.5	46
9	Quantum phase transitions in highly crystalline two-dimensional superconductors. <i>Nature Communications</i> , 2018, 9, 778.	5.8	63
10	Electric-field Control of Electronic States in WS ₂ ; Nanodevices by Electrolyte Gating. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	1
11	Gate-controlled low carrier density superconductors: Toward the two-dimensional BCS-BEC crossover. <i>Physical Review B</i> , 2018, 98, .	1.1	24
12	Nonreciprocal charge transport in noncentrosymmetric superconductors. <i>Science Advances</i> , 2017, 3, e1602390.	4.7	180
13	Highly crystalline 2D superconductors. <i>Nature Reviews Materials</i> , 2017, 2, .	23.3	412
14	Gate-Tuned Thermoelectric Power in Black Phosphorus. <i>Nano Letters</i> , 2016, 16, 4819-4824.	4.5	113
15	Gate-induced superconductivity in two-dimensional atomic crystals. <i>Superconductor Science and Technology</i> , 2016, 29, 093001.	1.8	47
16	Superconductivity protected by spin-valley locking in ion-gated MoS ₂ . <i>Nature Physics</i> , 2016, 12, 144-149.	6.5	419
17	Gate-Optimized Thermoelectric Power Factor in Ultrathin WSe ₂ Single Crystals. <i>Nano Letters</i> , 2016, 16, 2061-2065.	4.5	123
18	Superconductivity Series in Transition Metal Dichalcogenides by Ionic Gating. <i>Scientific Reports</i> , 2015, 5, 12534.	1.6	234

#	ARTICLE	IF	CITATIONS
19	Ambipolar Insulator-to-Metal Transition in Black Phosphorus by Ionic-Liquid Gating. ACS Nano, 2015, 9, 3192-3198.	7.3	180
20	Metallic ground state in an ion-gated two-dimensional superconductor. Science, 2015, 350, 409-413.	6.0	243