

Masaki Nakano

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,325
citations

361413

20
h-index

414414

32
g-index

35
all docs

35
docs citations

35
times ranked

4438
citing authors

#	ARTICLE	IF	CITATIONS
1	Collective bulk carrier delocalization driven by electrostatic surface charge accumulation. Nature, 2012, 487, 459-462.	27.8	659
2	Endeavor of Iontronics: From Fundamentals to Applications of Ion-Controlled Electronics. Advanced Materials, 2017, 29, 1607054.	21.0	386
3	Memristive phase switching in two-dimensional 1T-TaS ₂ crystals. Science Advances, 2015, 1, e1500606.	10.3	224
4	Schottky contact on a ZnO (0001) single crystal with conducting polymer. Applied Physics Letters, 2007, 91, .	3.3	118
5	Layer-by-Layer Epitaxial Growth of Scalable WSe ₂ on Sapphire by Molecular Beam Epitaxy. Nano Letters, 2017, 17, 5595-5599.	9.1	105
6	Current-Confinement Structure and Extremely High Current Density in Organic Light-Emitting Transistors. Advanced Materials, 2012, 24, 6141-6146.	21.0	85
7	Single-crystal organic charge-transfer interfaces probed using Schottky-gated heterostructures. Nature Materials, 2012, 11, 788-794.	27.5	76
8	Infrared-sensitive electrochromic device based on VO ₂ . Applied Physics Letters, 2013, 103, .	3.3	75
9	A Scaling Relation of Anomalous Hall Effect in Ferromagnetic Semiconductors and Metals. Japanese Journal of Applied Physics, 2007, 46, L642-L644.	1.5	60
10	A strained organic field-effect transistor with a gate-tunable superconducting channel. Nature Communications, 2013, 4, 2379.	12.8	55
11	Intrinsic 2D Ferromagnetism in V ₅ Se ₈ Epitaxial Thin Films. Nano Letters, 2019, 19, 8806-8810.	9.1	54
12	Electronic-Field Control of Two-Dimensional Electrons in Polymer-Gated Oxide Semiconductor Heterostructures. Advanced Materials, 2010, 22, 876-879.	21.0	48
13	A Ferromagnetic Oxide Semiconductor as Spin Injection Electrode in Magnetic Tunnel Junction. Japanese Journal of Applied Physics, 2005, 44, L896-L898.	1.5	45
14	Longitudinal diffusion behavior of hemicyanine dyes across phospholipid vesicle membranes as studied by second-harmonic generation and fluorescence spectroscopies. Analytical and Bioanalytical Chemistry, 2006, 386, 627-632.	3.7	32
15	Current switching of electronic structures in two-dimensional S_2 crystals. Physical Review B, 2017, 95, .	3.2	32
16	Small gap semiconducting organic charge-transfer interfaces. Applied Physics Letters, 2010, 96, 232102.	3.3	28
17	Distinct Substrate Effect on the Reversibility of the Metal-Insulator Transitions in Electrolyte-Gated VO ₂ Thin Films. Advanced Electronic Materials, 2015, 1, 1500093.	5.1	28
18	MgxZn1-xO-Based Schottky Photodiode for Highly Color-Selective Ultraviolet Light Detection. Applied Physics Express, 2008, 1, 121201.	2.4	25

#	ARTICLE	IF	CITATIONS
19	Raising the metal-insulator transition temperature of VO ₂ thin films by surface adsorption of organic polar molecules. Applied Physics Express, 2015, 8, 121101.	2.4	25
20	Extended Polymorphism of Two-Dimensional Material. Nano Letters, 2017, 17, 5567-5571.	9.1	25
21	Ultrafast switching to an insulating-like metastable state by amplitudon excitation of a charge density wave. Nature Physics, 2021, 17, 909-914.	16.7	19
22	Co-doped TiO ₂ films grown on glass: Room-temperature ferromagnetism accompanied with anomalous Hall effect and magneto-optical effect. Applied Physics Letters, 2009, 94, .	3.3	17
23	Gate Control of Percolative Conduction in Strongly Correlated Manganite Films. Advanced Materials, 2014, 26, 2874-2877.	21.0	17
24	Transport properties of a few nanometer-thick TiSe ₂ films grown by molecular-beam epitaxy. Applied Physics Letters, 2018, 113, 073101.	3.3	17
25	Superconducting 3R-Ta _{1+x} Se ₂ with Giant In-Plane Upper Critical Fields. Nano Letters, 2020, 20, 1725-1730.	9.1	16
26	Spin-Orbit-Induced Ising Ferromagnetism at a van der Waals Interface. Nano Letters, 2021, 21, 1807-1814.	9.1	14
27	Angle dependence of H_c with a crossover between the orbital and paramagnetic limits. Physical Review Research, 2020, 2, .	3.6	11
28	Electrical Conduction at the Interface between Insulating van der Waals Materials. Advanced Functional Materials, 2019, 29, 1900354.	14.9	10
29	Room Temperature Ferromagnetic Semiconductor Rutile Ti _{1-x} Co _x O ₂ Epitaxial Thin Films Grown by Sputtering Method. Applied Physics Express, 0, 1, 111302.	2.4	5
30	Signatures of charge-order correlations in transport properties of electron-doped cuprate superconductors. Physical Review B, 2018, 98, .	3.2	5
31	An Organic Light Emitting Device Employing Transparent Rutile TiO ₂ as an Anode. Japanese Journal of Applied Physics, 2006, 45, L1061-L1063.	1.5	4
32	Asymmetric Phase Transitions Observed at the Interface of a Field-Effect Transistor Based on an Organic Mott Insulator. European Journal of Inorganic Chemistry, 2014, 2014, 3841-3844.	2.0	4
33	Improved Performance of Organic Light-Emitting Device with Anatase TiO ₂ Anode. Japanese Journal of Applied Physics, 2008, 47, 1276-1278.	1.5	1
34	Properties and functionalities of organic-oxide heterointerfaces. , 2016, , .		0
35	Terahertz pulse-induced melting of charge density wave through the coherent excitation of amplitude mode in 3R-Ta _{1+x} Se ₂ . , 2021, , .		0