

Kenji Itaka

List of Publications by Year in descending order

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66
papers

1,175
citations

516710

16
h-index

395702

33
g-index

66
all docs

66
docs citations

66
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	Revised phase diagram of the high- T_c cuprate superconductor Pb-doped $\text{Bi}_2\text{Te}_2\text{Se}$. <i>Physical Review B</i> , 2022, 105, .	3.2	3
2	Divergent Nematic Susceptibility near the Pseudogap Critical Point in a Cuprate Superconductor. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 064707.	1.6	36
3	Study of Carbothermal Reduction of Silica, Alumina and Titania Under Argon Gas. <i>Springer Proceedings in Energy</i> , 2020, , 295-301.	0.3	1
4	Combinatorial screening of halide perovskite thin films and solar cells by mask-defined IR laser molecular beam epitaxy. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 307-315.	6.1	26
5	Development of Real-Time Weight Monitoring System for the Carbothermic Reduction Process of Silica. <i>Materials Transactions</i> , 2016, 57, 1930-1935.	1.2	2
6	Optimization of the Granulation Binders of High-Purity Carbothermic Reduction for Solar-Grade Silicon. <i>Materials Transactions</i> , 2016, 57, 1936-1944.	1.2	3
7	Control of the wetting properties of He_4 crystals in superfluid. <i>Physical Review E</i> , 2016, 93, 052806.	2.1	6
8	Programmable Persistent Interfacial Metallic State Induced by Frozen Ions in Inorganic "Glass Solid Electrolyte. <i>Advanced Functional Materials</i> , 2015, 25, 3043-3048.	14.9	2
9	Direct Carbothermic Silica Reduction from Purified Silica to Solar-Grade Silicon. <i>Journal of Physics: Conference Series</i> , 2015, 596, 012015.	0.4	8
10	Gate voltage dependence of $1/f$ noise in carbon nanotubes with the different metal contacts. , 2013, , .		4
11	Diameter dependence of $1/f$ noise in carbon nanotube field effect transistors using noise spectroscopy. <i>Applied Surface Science</i> , 2013, 267, 101-105.	6.1	11
12	Effect of hydrogen radical on decomposition of chlorosilane source gases. <i>Journal of Physics: Conference Series</i> , 2013, 441, 012003.	0.4	2
13	Field-effect transistors of the block co-oligomers based on thiophene and pyridine. <i>Thin Solid Films</i> , 2012, 520, 4445-4448.	1.8	3
14	Combinatorial Investigation of ZrO_2 -Based Dielectric Materials for Dynamic Random-Access Memory Capacitors. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 06GH12.	1.5	2
15	Strong Pressure Effect in the Sublimation from Tetracene Single Crystals and Development of Surface Cleaning Technique for Organic Semiconductors. <i>Applied Physics Express</i> , 2011, 4, 021601.	2.4	3
16	Vacuum and Pressured Combinatorial Processings for Exploration of Environmental Catalysts. <i>Topics in Catalysis</i> , 2010, 53, 35-39.	2.8	3
17	Suppression of Fermi Level Pinning and Flat Band Voltage Shift by Inserting Diamond-Like Carbon at a High- k/SiO_2 Interface in a Gate Stack Structure. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 06GH03.	1.5	1
18	Combinatorial fabrication and magnetic properties of homoepitaxial Co and Li co-doped NiO thin-film nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3595-3599.	2.3	11

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19	Composition-spread thin films of pentacene and 6,13-pentacenequinone fabricated by using continuous-wave laser molecular beam epitaxy. <i>Applied Surface Science</i> , 2008, 254, 2336-2341.	6.1	12
20	Field-induced resistance switching at metal/perovskite manganese oxide interface. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 148, 13-15.	3.5	5
21	Molecular Layer-by-Layer Growth of C ₆₀ Thin Films by Continuous-Wave Infrared Laser Deposition. <i>Applied Physics Express</i> , 2008, 1, 015005.	2.4	39
22	Continuous wave infrared laser deposition of organic thin films. <i>Journal of Physics: Conference Series</i> , 2007, 59, 520-525.	0.4	10
23	High-Throughput Characterization of Metal Electrode Performance for Electric-Field-Induced Resistance Switching in Metal/Pr _{0.7} Ca _{0.3} MnO ₃ /Metal Structures. <i>Advanced Materials</i> , 2007, 19, 1711-1713.	21.0	88
24	Development of a high-throughput thermoelectric screening tool for combinatorial thin film libraries. <i>Applied Surface Science</i> , 2007, 254, 765-767.	6.1	39
25	Electrical characterization of single grain and single grain boundary of pentacene thin film by nano-scale electrode array. <i>Current Applied Physics</i> , 2006, 6, 109-113.	2.4	7
26	Combinatorial synthesis of Li-doped NiO thin films and their transparent conducting properties. <i>Applied Surface Science</i> , 2006, 252, 2524-2528.	6.1	82
27	Fabrication of combinatorial nm-planar electrode array for high throughput evaluation of organic semiconductors. <i>Applied Surface Science</i> , 2006, 252, 2568-2572.	6.1	2
28	Combinatorial approach to the fabrication of organic thin films. <i>Applied Surface Science</i> , 2006, 252, 2562-2567.	6.1	10
29	Design and development of an ultra-compact drum-shaped chamber for combinatorial pulsed laser deposition. <i>Applied Surface Science</i> , 2006, 252, 2461-2465.	6.1	1
30	High-Mobility C60 Field-Effect Transistors Fabricated on Molecular- Wetting Controlled Substrates. <i>Advanced Materials</i> , 2006, 18, 1713-1716.	21.0	213
31	Single Grain and Single Grain Boundary Resistance of Pentacene Thin Film Characterized Using a Nanoscale Electrode Array. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 3708-3711.	1.5	6
32	Fabrication of Planar Nano-gap Electrodes for Single Molecule Evaluation. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 3766-3767.	1.5	5
33	Molecular-Wetting Control by Ultrasoother Pentacene Buffer for High-crystallinity Organic Field-Effect Transistors. <i>Materials Research Society Symposia Proceedings</i> , 2006, 965, 1.	0.1	0
34	Pulsed laser deposition of oxide gate dielectrics for pentacene organic field-effect transistors. <i>Thin Solid Films</i> , 2005, 486, 218-221.	1.8	30
35	Sharp metal-insulator transition in Sr(Ti _{1-x} V _x)O ₃ thin films on SrTiO ₃ substrates. <i>Thin Solid Films</i> , 2005, 486, 222-225.	1.8	2
36	Ani-situ Fabrication and Characterization System Developed for High Performance Organic Semiconductor Devices. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 3757-3759.	1.5	13

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37	Molecular Beam Epitaxy of Highly Oriented Pentacene Thin Films on an Atomically Flat Sapphire Substrate. Japanese Journal of Applied Physics, 2005, 44, 6249-6251.	1.5	12
38	Fabrication of Liquid Crystal Polymer Films and Their Passivation Effect for Organic Devices. Japanese Journal of Applied Physics, 2005, 44, 4164-4166.	1.5	1
39	Fabrication of Highly Oriented Rubrene Thin Films by the Use of Atomically Finished Substrate and Pentacene Buffer Layer. Japanese Journal of Applied Physics, 2005, 44, 3740-3742.	1.5	57
40	High-Performance Organic Field-Effect Transistors Based on π -Extended Tetrathiafulvalene Derivatives. Journal of the American Chemical Society, 2005, 127, 10142-10143.	13.7	156
41	The First Observation of $^1\text{H-NMR}$ Spectrum of Pentacene. Japanese Journal of Applied Physics, 2004, 43, L315-L316.	1.5	19
42	Pulsed laser deposition of c^* axis oriented pentacene films. Applied Physics A: Materials Science and Processing, 2004, 79, 875-877.	2.3	12
43	Rapid characterization of thermoelectric properties of composition spread $(\text{La}_{1-x}\text{Ca}_x)\text{VO}_3$ films. Applied Surface Science, 2004, 223, 20-23.	6.1	7
44	Combinatorial Physical Vapor Deposition of π -Conjugated Organic Thin Film Libraries. Macromolecular Rapid Communications, 2004, 25, 196-203.	3.9	14
45	Combinatorial Pulsed Laser Deposition of Pentacene Films for Field Effect Devices. Macromolecular Rapid Communications, 2004, 25, 334-338.	3.9	17

46

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55	High-speed evaluation of thermoelectric materials using multi-channel measurement system. Magyar Árvad Közlemények, 2002, 69, 1051-1058.	1.4	19
56	Reduction of interlayer coherence around 1/3 of matching field in Bose glass phase of YBa ₂ Cu ₃ O _{7-δ} with columnar defects. Physica C: Superconductivity and Its Applications, 2001, 357-360, 435-437.	1.2	1
57	Vortex phase diagrams of Bi ₂ Sr ₂ CaCu ₂ O _{8+y} in tilted fields studied by a Hall probe. Physica C: Superconductivity and Its Applications, 2001, 357-360, 446-449.	1.2	3
58	Magneto-optical imaging of vortex lattice melting transition in Bi ₂ Sr ₂ CaCu ₂ O _{8+y} . Physica C: Superconductivity and Its Applications, 2001, 357-360, 568-571.	1.2	8
59	Vortex phase transitions in Bi ₂ Sr ₂ CaCu ₂ O _{8+y} in fields nearly parallel and perpendicular to the CuO ₂ plane. Physica C: Superconductivity and Its Applications, 2001, 364-365, 499-503.	1.2	2
60	Pulsed Laser Epitaxy and Magnetic Properties of Single Phase Y-Type Magnetoplumbite Thin Films. Japanese Journal of Applied Physics, 2001, 40, L1343-L1345.	1.5	9
61	Asymmetric Field Profile in Bose Glass Phase of Irradiated YBa ₂ Cu ₃ O _{7-δ} : Loss of Interlayer Coherence around 1/3 of Matching Field. Physical Review Letters, 2001, 86, 5144-5147.	7.8	20
62	Vortex matter phase transitions under tilted fields in pristine and Pb-substituted Bi ₂ Sr ₂ CaCu ₂ O _{8+y} . Physica C: Superconductivity and Its Applications, 2000, 341-348, 1183-1184.	1.2	3
63	Peak effect and vortex channeling in heavily Pb-substituted Bi ₂ Sr ₂ CaCu ₂ O _{8+y} with planar defects. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1265-1266.	1.2	1
64	Evidence for planar pinning in heavily Pb-substituted Bi ₂ Sr ₂ CaCu ₂ O _{8+y} single crystals. Physical Review B, 1999, 60, R9951-R9954.	3.2	11
65	Novel Asymmetric Critical State in YBa ₂ Cu ₃ O _{7-δ} with Columnar Defects. Journal of Low Temperature Physics, 1999, 117, 1369-1373.	1.4	1
66	Evidence for Planar Pinning in Heavily Pb-Doped Bi ₂ Sr ₂ CaCu ₂ O _{8+y} Single Crystals. , 1999, , 485-488.		1