Naoto Kikuchi

List of Publications by Year in Descending Order

59 papers	1,060 citations	18 h-index	31 g-index
61 ext. papers	1,142 ext. citations	3.7 avg, IF	4.03 L-index

#	Paper	IF	Citations
59	Effect of intentional chemical doping on crystallographic and electric properties of the pyrochlore Bi2Sn2O7. *Materials and Design*, **2022**, 216, 110549	8.1	0
58	Bipolar Semiconducting Properties in □SnWO Based on the Characteristic Defect Structure. *Inorganic Chemistry*, **2021**, 60, 8035-8041	5.1	4
57	Site-Selective Oxygen Vacancy Formation Derived from the Characteristic Crystal Structures of Sn□Nb Complex Oxides. *Journal of Physical Chemistry C*, **2021**, 125, 17117-17124	3.8	3
56	Tailoring the Hole Mobility in SnO Films by Modulating the Growth Thermodynamics and Kinetics. *Journal of Physical Chemistry C*, **2020**, 124, 1755-1760	3.8	12
55	Improvement of the hole mobility of SnO epitaxial films grown by pulsed laser deposition. *Journal of Materials Chemistry C*, **2019**, 7, 6332-6336	7.1	14
54	Electrical and optical properties of wide-gap n-type Sn2Ta2O7 films. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2019**, 37, 031501	2.9	4
53	Effect of Crystal Structure on Hole Carrier Generation in Wide-gap P-type Tin-Niobate. *MRS Advances*, **2019**, 4, 27-32	0.7	3
52	Carrier Generation in p-Type Wide-Gap Oxide: SnNb2O6 Foordite. *Chemistry of Materials*, **2018**, 30, 8221-8225	9.8	22
51	Disappearance of Localized Valence Band Maximum of Ternary Tin Oxide with Pyrochlore Structure, Sn2Nb2O7. *Journal of Physical Chemistry C*, **2017**, 121, 9480-9488	3.8	23
50	Mechanisms of the structural modification of Ti films by pulsed direct current and inductively coupled plasma-assisted pulsed direct current sputtering. *Thin Solid Films*, **2017**, 634, 73-84	2.2	2
49	Preparation of p-type semiconductor perovskite La1−SrxCoO3 films and their p− heterostructure devices. *Applied Surface Science*, **2017**, 422, 869-872	6.7	3
48	Carrier generation in a p-type oxide semiconductor: Sn2(Nb2−Tax)O7. *Physical Review Materials*, **2017**, 1,	3.2	26
47	Super-hydrophilic and solar-heat-reflective coatings for smart windows. *Thin Solid Films*, **2013**, 532, 147-150	2.2	14
46	Microstructure of orientation controlled VO2 thin films via ZnO buffer. *Thin Solid Films*, **2013**, 529, 119-122	2.2	11
45	Interface stress induced hardness enhancement and superelasticity in polytetrafluoroethylene/metal multilayer thin films. *Thin Solid Films*, **2011**, 520, 404-412	2.2	11
44	Influence of oxygen pressure on the structural, electrical and optical properties of VO2 thin films deposited on ZnO/glass substrates by pulsed laser deposition. *Thin Solid Films*, **2010**, 518, 7441-7444	2.2	33
43	Growth of b-axis oriented VO2 thin films on glass substrates using ZnO buffer layer. *Applied Surface Science*, **2010**, 256, 6834-6837	6.7	21

42	Preparation of Delafossite CuYO2 by Metal-citric Acid Complex Decomposition Method. *Materials Research Society Symposia Proceedings*, **2009**, 1166, 13		2
41	Preparation of transparent conductive TiO2:Nb thin films by pulsed laser deposition. *Applied Surface Science*, **2009**, 255, 9695-9698	6.7	34
40	Growth of carbon with vertically aligned nanoscale flake structure in capacitively coupled rf glow discharge. *Vacuum*, **2008**, 82, 754-759	3.7	16
39	Pulsed laser deposition synthesis of superconducting (Cu,C)Ba□O thin films. *Vacuum*, **2008**, 83, 531-533	3.7	2
38	Fabrication of transparent CuCrO2:Mg/ZnO p□ junctions prepared by pulsed laser deposition on glass substrate. *Vacuum*, **2008**, 83, 614-617	3.7	29
37	Fabrication of ZnO and CuCrO2:Mg thin films by pulsed laser deposition with in situ laser annealing and its application to oxide diodes. *Thin Solid Films*, **2008**, 516, 5941-5947	2.2	31
36	Deposition of superconducting (Cu, C)Ba□O films by pulsed laser deposition at moderate temperature. *Superconductor Science and Technology*, **2007**, 20, S461-S466	3.1	6
35	Preparation of transparent CuCrO2:Mg/ZnO p□ junctions by pulsed laser deposition. *Thin Solid Films*, **2006**, 515, 2415-2418	2.2	53
34	Fabrication of (Cu, C)Ba2CuOy superconducting thin film by RF magnetron sputtering. *Journal of Physics: Conference Series*, **2006**, 43, 289-292	0.3	11
33	Mechanisms of carrier generation and transport in Ni-doped Cu2O. *Vacuum*, **2006**, 80, 756-760	3.7	20
32	Carrier Generation in Wide-Gap Conductor, Zinc Antimonate. *Journal of the American Ceramic Society*, **2005**, 88, 2793-2797	3.8	14
31	Electrical and structural properties of Ni-doped Cu2O films prepared by pulsed laser deposition. *Thin Solid Films*, **2005**, 486, 33-37	2.2	75
30	Epitaxial growth of (Cu,C)Ba2Can□CunOx (n=1) film deposited on SrTiO3 substrate by r.f. sputtering. *Vacuum*, **2004**, 74, 585-590	3.7	5
29	Polyimide-based organic thin films prepared by rf magnetron sputtering. *Thin Solid Films*, **2003**, 433, 274-276	2.2	5
28	Preparation of amorphous Si1□Cx (0□□1) films by alternate deposition of Si and C thin layers using a dual magnetron sputtering source. *Surface and Coatings Technology*, **2002**, 149, 76-81	4.4	8
27	Transparent conducting oxide, InSbO4 with random rutile structure. *Vacuum*, **2002**, 65, 81-84	3.7	6
26	Electrical and mechanical properties of SnO2:Nb films for touch screens. *Vacuum*, **2002**, 66, 365-371	3.7	54
25	Imidized organic thin films deposited on glass substrates. *Thin Solid Films*, **2001**, 392, 254-257	2.2	16

24	Effects of excess oxygen introduced during sputter deposition on carrier mobility in as-deposited and postannealed indium□tin□oxide films. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2001**, 19, 1636-1641	2.9	14
23	Phonon scattering in electron transport phenomena of ITO films. *Vacuum*, **2000**, 59, 492-499	3.7	31
22	Ion fraction and energy distribution of Ti flux incident to substrate surface in RF-plasma enhanced magnetron sputtering. *Vacuum*, **2000**, 59, 586-593	3.7	18
21	Elastic and plastic energies in sputtered multilayered Ti□TiN films estimated by nanoindentation. *Surface and Coatings Technology*, **2000**, 126, 131-135	4.4	32
20	Optical properties of SrMoO3 thin film. *Journal of Applied Physics*, **2000**, 87, 4617-4619	2.5	34
19	Preparation of TiC films by alternate deposition of Ti and C layers using a dual magnetron sputtering source. *Surface and Coatings Technology*, **1999**, 120-121, 378-382	4.4	19
18	Effects of Ar pressure on ion flux energy distribution and ion fraction in r.f.-plasma-assisted magnetron sputtering. *Surface and Coatings Technology*, **1999**, 120-121, 189-193	4.4	18
17	Effects of coil dc potential on ion energy distribution measured by an energy-resolved mass spectrometer in ionized physical vapor deposition. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1999**, 17, 2360-2363	2.9	11
16	Plastic and Elastic Behavior of Sputtered Bilayered Films by Nanoindedtation. *Materials Research Society Symposia Proceedings*, **1999**, 594, 513		
15	Free carrier absorption in highly conducting amorphous oxides. *Journal of Non-Crystalline Solids*, **1998**, 227-230, 513-516	3.9	6
14	High Efficiency-Carrier-Generation in Li+-Implanted MgIn2O4 Thin Films. *Journal of the Ceramic Society of Japan*, **1997**, 105, 275-277		
13	Transparent, Conducting, Amorphous Oxides: Effect of Chemical Composition on Electrical and Optical Properties of Cadmium Germanates. *Journal of the American Ceramic Society*, **1997**, 80, 22-26	3.8	14
12	Working hypothesis to explore novel wide band gap electrically conducting amorphous oxides and examples. *Journal of Non-Crystalline Solids*, **1996**, 198-200, 165-169	3.9	172
11	Amorphous transparent electroconductor 2CdO?GeO2: Conversion of amorphous insulating cadmium germanate by ion implantation. *Applied Physics Letters*, **1995**, 67, 2663-2665	3.4	38
10	Factors Affecting the Solid-State Polymerization of 1,4-Bis(1,3-octadecadiynyl)benzene to a Polydiacetylene. *Macromolecules*, **1995**, 28, 5363-5369	5.5	11
9	High-Resolution Solid-State13C NMR Studies on Molecular Motions and Solid-State Polymerization of Octatetraynes. *Bulletin of the Chemical Society of Japan*, **1995**, 68, 791-802	5.1	6
8	A Polydiacetylene From an Asymmetrically-Substituted Octatetrayne Compound for Nonlinear Optics. *Molecular Crystals and Liquid Crystals*, **1994**, 247, 99-109		4
7	New technique for coprecipitation of organic dye with polymer under high vacuum. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1994**, 12, 876-878	2.9	10

6	Condensed States and Optical Properties of the Densely Dissolved Organic Compounds in Polymer Matrices by Coprecipitation. *Molecular Crystals and Liquid Crystals*, **1994**, 252, 185-193		
5	Anomalous Association of 3,3?-Diethyloxadicarbocyanine Iodide in Saturated Solutions or Acetone and Water. *Chemistry Letters*, **1994**, 23, 153-156	1.7	1
4	Synthesis and Solid-State Polymerization of□(1,3-Butadiynyl) Substituted 1-Alkanol and Alkanoic Acid. *Bulletin of the Chemical Society of Japan*, **1994**, 67, 455-461	5.1	13
3	Synthesis of Diacetylene-Substituted Polydiacetylenes with Alkoxycarbonylurethane Substtuents and Their Optical Properties. *Molecular Crystals and Liquid Crystals*, **1994**, 255, 103-112		3
2	Preparation of Cordierite Ceramics by the Sol-Gel Process and Their Properties. *Journal of the Ceramic Society of Japan*, **1993**, 101, 824-829		11
1	Elaboration of near-valence band defect states leading deterioration of ambipolar operation in SnO thin-film transistors. *Nano Select*,	3.1	1