Naoki Kishi

List of Publications by Year
in descending order

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92	931	471509 17	526287 27
papers	citations	h-index	g-index

92	92	92	1144
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pinhole-free Methylammonium Bismuth Iodide Perovskite Solar Cells Via All-Solution-Processed Multi-step Spin Coating. Journal of Electronic Materials, 2022, 51, 577-585.	2.2	9
2	Effect of thickness on photovoltaic properties of amorphous carbon/fullerene junction. AIMS Materials Science, 2022, 9, 446-454.	1.4	1
3	Fabrication and properties of compact (CH3NH3)3Bi2I9 perovskite solar cell by the hot immersion method. Optical Materials: X, 2022, 15, 100158.	0.8	1
4	A comparative study on optical properties of BiOI, Bi7O9I3 and Bi5O7I materials. Optical Materials, 2021, 111, 110677.	3.6	24
5	Annealing effects on structural and photovoltaic properties of the dip-SILAR-prepared bismuth oxyhalides (BiOI, Bi7O9I3, Bi5O7I) films. SN Applied Sciences, 2021, 3, 1.	2.9	15
6	Electrochemical Impedance Spectroscopy Characterization of a Bismuth Oxyiodide (BiOI) Electrochemical Cell in Terms of Various Morphologies. Journal of Electronic Materials, 2021, 50, 4058-4065.	2.2	2
7	Synthesis of bismuth triiodide nanofibers by spin-coating at room temperature. Materialia, 2021, 16, 101077.	2.7	6
8	A novel approach towards compact and improved-crystallinity methylammonium bismuth iodide film via hot immersion method. Materials Letters: X, 2021, 12, 100096.	0.7	1
9	A simple spin-assisted SILAR of bismuth oxyiodide films preparation for photovoltaic application. SN Applied Sciences, 2020, 2, 1.	2.9	22
10	TiO2/Bi5O7I Composite Films for Dye-Sensitized Solar Cells. Journal of Electronic Materials, 2020, 49, 1827-1834.	2.2	6
11	Study of Annealing Temperature Effect on the Photovoltaic Performance of BiOI-Based Materials. Applied Sciences (Switzerland), 2019, 9, 3342.	2.5	28
12	Study on Improvement of Settling Time for Pneumatic Servo Stage by Reviewing Feedforward Compensation. , 2019, , .		0
13	Effect of buffer layer on the properties of organic solar cells. AIP Conference Proceedings, 2019, , .	0.4	0
14	Macroscale synthesis of CuO nanowires on FTO plane substrate. Modern Physics Letters B, 2019, 33, 1950138.	1.9	1
15	Direct existence to suggest activity of copper ions surface diffusion on nanowire in growth process. Modern Physics Letters B, 2019, 33, 1950249.	1.9	1
16	Charge-neutral and self-doped cyclopentadithiophene-based conjugated polymers: Influence of side chain on optical, electrical, and thermoelectric properties. Polymer, 2019, 181, 121787.	3.8	2
17	Relevance of precursor molarity in the prepared bismuth oxyiodide films by successive ionic layer adsorption and reaction for solar cell application. Journal of Science: Advanced Materials and Devices, 2019, 4, 116-124.	3.1	17
18	Improved photovoltaic properties of amorphous carbon/fullerene junction by nitrogen doping. Journal of Materials Science: Materials in Electronics, 2019, 30, 6628-6632.	2.2	1

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19	Angle dependence of synthesized BiOI prepared by dip coating and its effect on the photovoltaic performance. Japanese Journal of Applied Physics, 2019, 58, SAAD09.	1.5	15
20	Role of polyethylene glycol addition on the improvement of P3HT:PCBM organic solar cells. Journal of Materials Science: Materials in Electronics, 2019, 30, 3332-3337.	2.2	5
21	Enhancement of thermoelectric properties of PEDOT:PSS thin films by addition of anionic surfactants. Journal of Materials Science: Materials in Electronics, 2018, 29, 4030-4034.	2.2	16
22	Improvement of the Electrical Property of Silicon Nanoparticle Films Prepared via Hot Press Treatment. , 2018, , .		1
23	Improving Intrinsic Silicon Nanoparticle Film by Press Treatment for use in pâ€“iâ€“n Solar Cells. , 2018, , .		1
24	Nickel tetraphenylporphyrin doping into ZnO nanoparticles for flexible dye-sensitized solar cell application. Japanese Journal of Applied Physics, 2017, 56, 04CS05.	1.5	14
25	Photovoltaic performance analysis of electrophoretically deposited ZnO-based dye-sensitized solar cells developed using variations of mechanical compressions along with post annealing. , 2017, , .		0
26	Effects of compression at elevated temperature for electrophorically deposited TiO2-based dye-sensitized solar cell. Japanese Journal of Applied Physics, 2016, 55, 01AE13.	1.5	5
27	Hot-compression: An effective postdeposition treatment for electrophoretically deposited dye-sensitized solar cell. , 2016, , .		2
28	Hot-compress: A new postdeposition treatment for ZnO-based flexible dye-sensitized solar cells. Materials Research Bulletin, 2016, 80, 135-138.	5.2	22
29	Improvement of organic solar cells using aluminium microstructures prepared in PEDOT:PSS buffer layer by using ultrasonic ablation technique. Thin Solid Films, 2016, 616, 73-79.	1.8	14
30	Performance analysis of electrophorically deposited ZnO-based dye-sensitized solar cells prepared using compression at elevated temperature along with postannealing. Japanese Journal of Applied Physics, 2016, 55, 01AA16.	1.5	7
31	Controlled Cu nanoparticle growth on wrinkle affecting deposition of large scale graphene. Journal of Crystal Growth, 2016, 449, 156-162.	1.5	4
32	Effects of reduction temperature on copper nanowires growth by thermal reduction of copper oxide nanowires. Modern Physics Letters B, 2016, 30, 1650193.	1.9	2
33	Fabrication of Fe₂O₃ nanoflakes-based electrochemical solar cellsÂprepared by facile thermal oxidation. Modern Physics Letters B, 2016, 30, 1650192.	1.9	0
34	Mesopore-structured anatase-TiO2 thin films for the electron transport layer in inverted-type polymer solar cells. Journal of Materials Science: Materials in Electronics, 2016, 27, 221-225.	2.2	0
35	Effects of nanostructures on iron oxide based dye sensitized solar cells fabricated on iron foils. Materials Research Bulletin, 2016, 77, 126-130.	5.2	14
36	EFFECT OF PRE-ANNEALING TEMPERATURE ON THE GROWTH OF ALIGNED Î±-Fe₂O₃ NANOWIRES VIA A TWO-STEP THERMAL OXIDATION. Surface Review and Letters, 2016, 23, 1650027.	1.1	0

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37	Compression of ZnO nanoparticle films at elevated temperature for flexible dye-sensitized solar cells. Journal of Alloys and Compounds, 2016, 656, 476-480.	5.5	24
38	ZnO nanoparticles with different concentrations inside organic solar cell active layer. Advances in Energy Research, 2016, 4, 275-284.	0.4	3
39	Synthesis of thiolated few-layered graphene by thermal chemical vapor deposition using solid precursor. Materials Letters, 2015, 159, 114-117.	2.6	4
40	Large scale bi-layer graphene by suppression of nucleation from a solid precursor. RSC Advances, 2015, 5, 42645-42652.	3.6	6
41	Synthesis of high-density aligned Fe2O3 nanowires via two-step thermal oxidation. International Journal of Materials Research, 2015, 106, 1291-1293.	0.3	1
42	Ultrasonic ablation as a novel technique for producing pure aluminium nanoparticles dispersed in different liquids for different applications. Japanese Journal of Applied Physics, 2015, 54, 075002.	1.5	4
43	Catalyst-Free Synthesis of Zinc Oxide Nanowires by Thermal Oxidation of Zinc Film. Transactions of the Materials Research Society of Japan, 2015, 40, 11-13.	0.2	0
44	Recent Advances in Nanocarbon Materials. Journal of Nanomaterials, 2014, 2014, 1-2.	2.7	2
45	Synthesis of nitrogen-doped graphene by the thermal chemical vapor deposition method from a single liquid precursor. Materials Letters, 2014, 117, 199-203.	2.6	19
46	Synthesis of iron oxide nanoflakes at lower temperature by air oxidation of iron foils. Japanese Journal of Applied Physics, 2014, 53, 11RE04.	1.5	3
47	Flexible dye-sensitized solar cells from titanium oxide nanoparticles. , 2014, , .		0
48	Introduction of Student Pocket Notebook for Encouraging Self-motivated Learning. IEEJ Transactions on Fundamentals and Materials, 2014, 134, 555-556.	0.2	0
49	Graphene synthesis by thermal chemical vapor deposition using solid precursor. Journal of Materials Science: Materials in Electronics, 2013, 24, 2151-2155.	2.2	17
50	Nitrogen-doped carbon nanotubes synthesized on metal substrates from a single precursor. Materials Letters, 2013, 113, 114-117.	2.6	6
51	Effects of H2 gas addition into process and H ion implantation on the microstructure of hydrogenated amorphous carbon films prepared by bipolar-type plasma based ion implantation. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 328-332.	1.4	1
52	Photovoltaic properties of an amorphous carbon/fullerene junction. Carbon, 2013, 60, 1-4.	10.3	11
53	Synthesis of cupric oxide nanowires on spherical surface by thermal oxidationmethod. Materials Letters, 2013, 96, 192-194.	2.6	14
54	CARBON PRECURSOR DEPENDENCE OF CARBON NANOFIBERS SYNTHESIZED BY CATALYST-FREE ULTRASONIC SPRAY-PYROLYSIS METHOD. Modern Physics Letters B, 2013, 27, 1350213.	1.9	0

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55	SYNTHESIS OF ALIGNED COPPER OXIDE NANOWIRES ON FLUORINE-DOPED TIN OXIDE GLASS SUBSTRATE. Modern Physics Letters B, 2013, 27, 1350227.	1.9	1
56	SYNTHESIS OF ZINC OXIDE THIN FILM WITH THREAD-LIKE NANOWIRES ON FLUORINE DOPED TIN OXIDE GLASS SUBSTRATES. Modern Physics Letters B, 2013, 27, 1350237.	1.9	0
57	Low-temperature Fabrication of Dye-sensitized Solar Cells on Plastic Films by Hot-pressing Method. Chemistry Letters, 2013, 42, 1263-1264.	1.3	11
58	Synthesis of Core-Shell Si/Carbon Nanofibers on Silicon Substrates by Ultrasonic Spray Pyrolysis. Journal of Nanomaterials, 2012, 2012, 1-5.	2.7	1
59	Optical and Electrical Properties of Nitrogen-Doped Diamond-Like Carbon Films Prepared by a Bipolar-Type Plasma-Based Ion Implantation. Japanese Journal of Applied Physics, 2012, 51, 01AC04.	1.5	5
60	Transparent conductive thin films of single-wall carbon nanotubes encapsulating dopant molecules. Applied Physics Letters, 2012, 100, 063121.	3.3	2
61	Catalyst-free synthesis of carbon nanofibers by ultrasonic spray pyrolysis of ethanol. Materials Letters, 2012, 68, 240-242.	2.6	9
62	Synthesis of graphenes on Ni foils by chemical vapor deposition of alcohol with IR-lamp heating. Materials Letters, 2012, 79, 21-24.	2.6	6
63	Thin cuprous oxide films prepared by thermal oxidation of copper foils with water vapor. Thin Solid Films, 2012, 520, 2679-2682.	1.8	37
64	The Synthesis of Highly Aligned Cupric Oxide Nanowires by Heating Copper Foil. Journal of Nanomaterials, 2011, 2011, 1-8.	2.7	15
65	Synthesis and Donor-ï€-Acceptor Properties of Polyfluorene Derivatives Containing a Phenazasiline Moiety and an Electron Acceptor. Heterocycles, 2011, 83, 1977.	0.7	9
66	Low substrate temperature synthesis of carbon nanowalls by ultrasonic spray pyrolysis. Thin Solid Films, 2011, 519, 4162-4165.	1.8	9
67	POLY(3, 4-ETHYLENEDIOXYTHIOPHENE): POLY(STYRENESULFONATE)/SINGLE-WALL CARBON NANOTUBE COMPOSITE FILM FOR THE HOLE TRANSPORT LAYER IN POLYMER SOLAR CELLS. Nano, 2011, 06, 583-588.	1.0	3
68	Simultaneous Formation of Both Single- and Multi-Wall Carbon Nanotubes by Ultrasonic Spray Pyrolysis. Japanese Journal of Applied Physics, 2011, 50, 020213.	1.5	2
69	Simultaneous Formation of Both Single- and Multi-Wall Carbon Nanotubes by Ultrasonic Spray Pyrolysis. Japanese Journal of Applied Physics, 2011, 50, 020213.	1.5	0
70	Synthesis of carbon nanofibers using C60, graphite and boron. Materials Letters, 2010, 64, 1243-1246.	2.6	7
71	Synthesis and characterization of carbon nanotubes via ultrasonic spray pyrolysis method on zeolite. Thin Solid Films, 2010, 518, 6756-6760.	1.8	14
72	Cross-sectional characterization of cupric oxide nanowires grown by thermal oxidation of copper foils. Applied Surface Science, 2010, 257, 62-66.	6.1	41

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73	Raman Spectra of the carbon films by pulsed laser deposition using C<inf>60</inf> target. , 2010, , .		0
74	Effect of Fullerene Encapsulation on Radial Vibrational Breathing-Mode Frequencies of Single-Wall Carbon Nanotubes. Physical Review Letters, 2009, 103, 027403.	7.8	32
75	Diameter-Dependent Band Gap Modification of Single-Walled Carbon Nanotubes by Encapsulated Fullerenes. Journal of Physical Chemistry C, 2009, 113, 571-575.	3.1	47
76	Synthesis of Single- and Double-Wall Carbon Nanotubes by Gas Flow-Modified Catalyst-Supported Chemical Vapor Deposition. IEICE Transactions on Electronics, 2009, E92-C, 1483-1486.	0.6	1
77	Synthesis of Carbon Nanofibers from Carbon Particles by Ultrasonic Spray Pyrolysis of Ethanol. IEICE Transactions on Electronics, 2009, E92-C, 1432-1437.	0.6	6
78	An efficient fabrication of vertically aligned carbon nanotubes on flexible aluminum foils by catalyst-supported chemical vapor deposition. Nanotechnology, 2008, 19, 245607.	2.6	38
79	Enrichment of Small-Diameter Double-Wall Carbon Nanotubes Synthesized by Catalyst-Supported Chemical Vapor Deposition Using Zeolite Supports. Japanese Journal of Applied Physics, 2007, 46, 1797-1802.	1.5	10
80	Structural Stability and Transformation of Aligned C60and C70Fullerenes in Double-Wall and Triple-Wall Carbon Nanotube-Peapods. Journal of Physical Chemistry C, 2007, 111, 14652-14657.	3.1	18
81	Meissner effect in honeycomb arrays of multiwalled carbon nanotubes. Physical Review B, 2007, 76, .	3.2	16
82	Synthesis, enhanced stability and structural imaging of C60 and C70 double-wall carbon nanotube peapods. Chemical Physics Letters, 2007, 441, 94-99.	2.6	22
83	High-Yield Synthesis of Single-Wall Carbon Nanotubes on MCM41 Using Catalytic Chemical Vapor Deposition of Acetylene. Journal of Physical Chemistry B, 2006, 110, 130-135.	2.6	28
84	Enhanced Photoluminescence from Very Thin Double-Wall Carbon Nanotubes Synthesized by the Zeolite-CCVD Method. Journal of Physical Chemistry B, 2006, 110, 24816-24821.	2.6	33
85	Purification and characterization of double-wall carbon nanotubes synthesized by catalytic chemical vapor deposition on mesoporous silica. Chemical Physics Letters, 2006, 418, 408-412.	2.6	76
86	SYNTHESIS OF DOUBLE-WALL CARBON NANOTUBES ON MESOPOROUS SILICA: INFLUENCES OF CATALYST PRETREATMENT ON THE NANOTUBE GROWTH. Nano, 2006, 01, 47-53.	1.0	4
87	MICROSCOPIC CHARACTERIZATION OF THIN-MULTIWALL CARBON NANOTUBES SYNTHESIZED BY CATALYTIC CVD METHOD WITH MESOPOROUS SILICA. Nano, 2006, 01, 207-212.	1.0	2
88	Entrapping of Exohedral Metallofullerenes in Carbon Nanotubes:â€‰ (CsC60)n@SWNT Nano-Peapods. Journal of the American Chemical Society, 2005, 127, 17972-17973.	13.7	47
89	Growth of High-Quality (111) Oriented Cuprous Oxide Thin Films Oxidized in Water Vapor. Advanced Materials Research, 0, 832, 138-142.	0.3	1
90	Single Phase CuO Thin Films Prepared by Thermal Oxidation in Air with Water Vapor. Advanced Materials Research, 0, 1109, 544-548.	0.3	2

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91	Effect of TiO_x and TiO₂ Layer on the Photovoltaic Property of BiOI Films. Key Engineering Materials, 0, 884, 372-378.	0.4	2
92	Synthesis and Characterization of BiOI Films for Photo-Electrochemical Cell via Simple Heating Process of Bil₃. Defect and Diffusion Forum, 0, 416, 159-165.	0.4	0