

# Naoki Kishi

## List of Publications by Year in descending order

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92  
papers

931  
citations

471509

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526287

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92  
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92  
docs citations

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times ranked

1144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Purification and characterization of double-wall carbon nanotubes synthesized by catalytic chemical vapor deposition on mesoporous silica. <i>Chemical Physics Letters</i> , 2006, 418, 408-412.	2.6	76
2	Entrapping of Exohedral Metallofullerenes in Carbon Nanotubes: $(\text{CsC}_{60})_n@$ SWNT Nano-Peapods. <i>Journal of the American Chemical Society</i> , 2005, 127, 17972-17973.	13.7	47
3	Diameter-Dependent Band Gap Modification of Single-Walled Carbon Nanotubes by Encapsulated Fullerenes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 571-575.	3.1	47
4	Cross-sectional characterization of cupric oxide nanowires grown by thermal oxidation of copper foils. <i>Applied Surface Science</i> , 2010, 257, 62-66.	6.1	41
5	An efficient fabrication of vertically aligned carbon nanotubes on flexible aluminum foils by catalyst-supported chemical vapor deposition. <i>Nanotechnology</i> , 2008, 19, 245607.	2.6	38
6	Thin cuprous oxide films prepared by thermal oxidation of copper foils with water vapor. <i>Thin Solid Films</i> , 2012, 520, 2679-2682.	1.8	37
7	Enhanced Photoluminescence from Very Thin Double-Wall Carbon Nanotubes Synthesized by the Zeolite-CCVD Method. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24816-24821.	2.6	33
8	Effect of Fullerene Encapsulation on Radial Vibrational Breathing-Mode Frequencies of Single-Wall Carbon Nanotubes. <i>Physical Review Letters</i> , 2009, 103, 027403.	7.8	32
9	High-Yield Synthesis of Single-Wall Carbon Nanotubes on MCM41 Using Catalytic Chemical Vapor Deposition of Acetylene. <i>Journal of Physical Chemistry B</i> , 2006, 110, 130-135.	2.6	28
10	Study of Annealing Temperature Effect on the Photovoltaic Performance of BiOI-Based Materials. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3342.	2.5	28
11	Compression of ZnO nanoparticle films at elevated temperature for flexible dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2016, 656, 476-480.	5.5	24
12	A comparative study on optical properties of BiOI, Bi <sub>7</sub> O <sub>9</sub> I <sub>3</sub> and Bi <sub>5</sub> O <sub>7</sub> I materials. <i>Optical Materials</i> , 2021, 111, 110677.	3.6	24
13	Synthesis, enhanced stability and structural imaging of C <sub>60</sub> and C <sub>70</sub> double-wall carbon nanotube peapods. <i>Chemical Physics Letters</i> , 2007, 441, 94-99.	2.6	22
14	Hot-compress: A new postdeposition treatment for ZnO-based flexible dye-sensitized solar cells. <i>Materials Research Bulletin</i> , 2016, 80, 135-138.	5.2	22
15	A simple spin-assisted SILAR of bismuth oxyiodide films preparation for photovoltaic application. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	22
16	Synthesis of nitrogen-doped graphene by the thermal chemical vapor deposition method from a single liquid precursor. <i>Materials Letters</i> , 2014, 117, 199-203.	2.6	19
17	Structural Stability and Transformation of Aligned C <sub>60</sub> and C <sub>70</sub> Fullerenes in Double-Wall and Triple-Wall Carbon Nanotube-Peapods. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14652-14657.	3.1	18
18	Graphene synthesis by thermal chemical vapor deposition using solid precursor. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2151-2155.	2.2	17

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19	Relevance of precursor molarity in the prepared bismuth oxyiodide films by successive ionic layer adsorption and reaction for solar cell application. <i>Journal of Science: Advanced Materials and Devices</i> , 2019, 4, 116-124.	3.1	17
20	Meissner effect in honeycomb arrays of multiwalled carbon nanotubes. <i>Physical Review B</i> , 2007, 76, .	3.2	16
21	Enhancement of thermoelectric properties of PEDOT:PSS thin films by addition of anionic surfactants. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4030-4034.	2.2	16
22	The Synthesis of Highly Aligned Cupric Oxide Nanowires by Heating Copper Foil. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-8.	2.7	15
23	Angle dependence of synthesized BiOI prepared by dip coating and its effect on the photovoltaic performance. <i>Japanese Journal of Applied Physics</i> , 2019, 58, SAAD09.	1.5	15
24	Annealing effects on structural and photovoltaic properties of the dip-SILAR-prepared bismuth oxyhalides (BiOI, Bi <sub>7</sub> O <sub>9</sub> I <sub>3</sub> , Bi <sub>5</sub> O <sub>7</sub> I) films. <i>SN Applied Sciences</i> , 2021, 3, 1.	2.9	15
25	Synthesis and characterization of carbon nanotubes via ultrasonic spray pyrolysis method on zeolite. <i>Thin Solid Films</i> , 2010, 518, 6756-6760.	1.8	14
26	Synthesis of cupric oxide nanowires on spherical surface by thermal oxidation method. <i>Materials Letters</i> , 2013, 96, 192-194.	2.6	14
27	Improvement of organic solar cells using aluminium microstructures prepared in PEDOT:PSS buffer layer by using ultrasonic ablation technique. <i>Thin Solid Films</i> , 2016, 616, 73-79.	1.8	14
28	Effects of nanostructures on iron oxide based dye sensitized solar cells fabricated on iron foils. <i>Materials Research Bulletin</i> , 2016, 77, 126-130.	5.2	14
29	Nickel tetraphenylporphyrin doping into ZnO nanoparticles for flexible dye-sensitized solar cell application. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 04CS05.	1.5	14
30	Photovoltaic properties of an amorphous carbon/fullerene junction. <i>Carbon</i> , 2013, 60, 1-4.	10.3	11
31	Low-temperature Fabrication of Dye-sensitized Solar Cells on Plastic Films by Hot-pressing Method. <i>Chemistry Letters</i> , 2013, 42, 1263-1264.	1.3	11
32	Enrichment of Small-Diameter Double-Wall Carbon Nanotubes Synthesized by Catalyst-Supported Chemical Vapor Deposition Using Zeolite Supports. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 1797-1802.	1.5	10
33	Synthesis and Donor- $\pi$ -Acceptor Properties of Polyfluorene Derivatives Containing a Phenazasiline Moiety and an Electron Acceptor. <i>Heterocycles</i> , 2011, 83, 1977.	0.7	9
34	Low substrate temperature synthesis of carbon nanowalls by ultrasonic spray pyrolysis. <i>Thin Solid Films</i> , 2011, 519, 4162-4165.	1.8	9
35	Catalyst-free synthesis of carbon nanofibers by ultrasonic spray pyrolysis of ethanol. <i>Materials Letters</i> , 2012, 68, 240-242.	2.6	9
36	Pinhole-free Methylammonium Bismuth Iodide Perovskite Solar Cells Via All-Solution-Processed Multi-step Spin Coating. <i>Journal of Electronic Materials</i> , 2022, 51, 577-585.	2.2	9

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37	Synthesis of carbon nanofibers using C60, graphite and boron. <i>Materials Letters</i> , 2010, 64, 1243-1246.	2.6	7
38	Performance analysis of electrophorically deposited ZnO-based dye-sensitized solar cells prepared using compression at elevated temperature along with postannealing. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 01AA16.	1.5	7
39	Synthesis of Carbon Nanofibers from Carbon Particles by Ultrasonic Spray Pyrolysis of Ethanol. <i>IEICE Transactions on Electronics</i> , 2009, E92-C, 1432-1437.	0.6	6
40	Synthesis of graphenes on Ni foils by chemical vapor deposition of alcohol with IR-lamp heating. <i>Materials Letters</i> , 2012, 79, 21-24.	2.6	6
41	Nitrogen-doped carbon nanotubes synthesized on metal substrates from a single precursor. <i>Materials Letters</i> , 2013, 113, 114-117.	2.6	6
42	Large scale bi-layer graphene by suppression of nucleation from a solid precursor. <i>RSC Advances</i> , 2015, 5, 42645-42652.	3.6	6
43	TiO <sub>2</sub> /Bi <sub>5</sub> O <sub>7</sub> I Composite Films for Dye-Sensitized Solar Cells. <i>Journal of Electronic Materials</i> , 2020, 49, 1827-1834.	2.2	6
44	Synthesis of bismuth triiodide nanofibers by spin-coating at room temperature. <i>Materialia</i> , 2021, 16, 101077.	2.7	6
45	Optical and Electrical Properties of Nitrogen-Doped Diamond-Like Carbon Films Prepared by a Bipolar-Type Plasma-Based Ion Implantation. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 01AC04.	1.5	5
46	Effects of compression at elevated temperature for electrophorically deposited TiO <sub>2</sub> -based dye-sensitized solar cell. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 01AE13.	1.5	5
47	Role of polyethylene glycol addition on the improvement of P3HT:PCBM organic solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3332-3337.	2.2	5
48	SYNTHESIS OF DOUBLE-WALL CARBON NANOTUBES ON MESOPOROUS SILICA: INFLUENCES OF CATALYST PRETREATMENT ON THE NANOTUBE GROWTH. <i>Nano</i> , 2006, 01, 47-53.	1.0	4
49	Synthesis of thiolated few-layered graphene by thermal chemical vapor deposition using solid precursor. <i>Materials Letters</i> , 2015, 159, 114-117.	2.6	4
50	Ultrasonic ablation as a novel technique for producing pure aluminium nanoparticles dispersed in different liquids for different applications. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 075002.	1.5	4
51	Controlled Cu nanoparticle growth on wrinkle affecting deposition of large scale graphene. <i>Journal of Crystal Growth</i> , 2016, 449, 156-162.	1.5	4
52	POLY(3, 4-ETHYLENEDIOXYTHIOPHENE): POLY(STYRENESULFONATE)/SINGLE-WALL CARBON NANOTUBE COMPOSITE FILM FOR THE HOLE TRANSPORT LAYER IN POLYMER SOLAR CELLS. <i>Nano</i> , 2011, 06, 583-588.	1.0	3
53	Synthesis of iron oxide nanoflakes at lower temperature by air oxidation of iron foils. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 11RE04.	1.5	3
54	ZnO nanoparticles with different concentrations inside organic solar cell active layer. <i>Advances in Energy Research</i> , 2016, 4, 275-284.	0.4	3

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55	MICROSCOPIC CHARACTERIZATION OF THIN-MULTIWALL CARBON NANOTUBES SYNTHESIZED BY CATALYTIC CVD METHOD WITH MESOPOROUS SILICA. Nano, 2006, 01, 207-212.	1.0	2
56	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
57	Transparent conductive thin films of single-wall carbon nanotubes encapsulating dopant molecules. Applied Physics Letters, 2012, 100, 063121.	3.3	2
58	Recent Advances in Nanocarbon Materials. Journal of Nanomaterials, 2014, 2014, 1-2.	2.7	2
59	Single Phase CuO Thin Films Prepared by Thermal Oxidation in Air with Water Vapor. Advanced Materials Research, 0, 1109, 544-548.	0.3	2
60	Hot-compression: An effective postdeposition treatment for electrophoretically deposited dye-sensitized solar cell. , 2016, , .		2
61	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
62	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
63	Electrochemical Impedance Spectroscopy Characterization of a Bismuth Oxide (BiO) Electrochemical Cell in Terms of Various Morphologies. Journal of Electronic Materials, 2021, 50, 4058-4065.	2.2	2
64	Effect of TiO <sub>x</sub> and TiO <sub>2</sub> Layer on the Photovoltaic Property of BiOI Films. Key Engineering Materials, 0, 884, 372-378.	0.4	2
65	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
66	Synthesis of Core-Shell Si/Carbon Nanofibers on Silicon Substrates by Ultrasonic Spray Pyrolysis. Journal of Nanomaterials, 2012, 2012, 1-5.	2.7	1
67	Effects of H <sub>2</sub> 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
68	Growth of High-Quality (111) Oriented Cuprous Oxide Thin Films Oxidized in Water Vapor. Advanced Materials Research, 0, 832, 138-142.	0.3	1
69	SYNTHESIS OF ALIGNED COPPER OXIDE NANOWIRES ON FLUORINE-DOPED TIN OXIDE GLASS SUBSTRATE. Modern Physics Letters B, 2013, 27, 1350227.	1.9	1
70	Synthesis of high-density aligned Fe <sub>2</sub> O <sub>3</sub> nanowires via two-step thermal oxidation. International Journal of Materials Research, 2015, 106, 1291-1293.	0.3	1
71	Improvement of the Electrical Property of Silicon Nanoparticle Films Prepared via Hot Press Treatment. , 2018, , .		1
72	Improving Intrinsic Silicon Nanoparticle Film by Press Treatment for use in p-i-n Solar Cells. , 2018, , .		1

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73	Macroscale synthesis of CuO nanowires on FTO plane substrate. Modern Physics Letters B, 2019, 33, 1950138.	1.9	1
74	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
75	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
76	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
77	Effect of thickness on photovoltaic properties of amorphous carbon/fullerene junction. AIMS Materials Science, 2022, 9, 446-454.	1.4	1
78	Fabrication and properties of compact (CH <sub>3</sub> NH <sub>3</sub> ) <sub>3</sub> Bi <sub>2</sub> I <sub>9</sub> perovskite solar cell by the hot immersion method. Optical Materials: X, 2022, 15, 100158.	0.8	1
79	Raman Spectra of the carbon films by pulsed laser deposition using C<math>\infty</math> target. , 2010, , .		0
80	CARBON PRECURSOR DEPENDENCE OF CARBON NANOFIBERS SYNTHESIZED BY CATALYST-FREE ULTRASONIC SPRAY-PYROLYSIS METHOD. Modern Physics Letters B, 2013, 27, 1350213.	1.9	0
81	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
82	Flexible dye-sensitized solar cells from titanium oxide nanoparticles. , 2014, , .		0
83	Fabrication of Fe<sub>2</sub>O<sub>3</sub> nanoflakes-based electrochemical solar cells prepared by facile thermal oxidation. Modern Physics Letters B, 2016, 30, 1650192.	1.9	0
84	Mesopore-structured anatase-TiO <sub>2</sub> 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
85	EFFECT OF PRE-ANNEALING TEMPERATURE ON THE GROWTH OF ALIGNED $\pm$ -Fe<sub>2</sub>O<sub>3</sub> NANOWIRES VIA A TWO-STEP THERMAL OXIDATION. Surface Review and Letters, 2016, 23, 1650027.	1.1	0
86	Photovoltaic performance analysis of electrophoretically deposited ZnO-based dye-sensitized solar cells developed using variations of mechanical compressions along with post annealing. , 2017, , .		0
87	Study on Improvement of Settling Time for Pneumatic Servo Stage by Reviewing Feedforward Compensation. , 2019, , .		0
88	Effect of buffer layer on the properties of organic solar cells. AIP Conference Proceedings, 2019, , .	0.4	0
89	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
90	Introduction of Student Pocket Notebook for Encouraging Self-motivated Learning. IEEJ Transactions on Fundamentals and Materials, 2014, 134, 555-556.	0.2	0

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91	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
92	Synthesis and Characterization of BiOI Films for Photo-Electrochemical Cell via Simple Heating Process of BiI <sub>3</sub> . Defect and Diffusion Forum, 0, 416, 159-165.	0.4	0