Kazuhiro Kanda

List of Publications by Year
in descending order

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26	498	687363 13	677142 22
papers	citations	h-index	g-index

26	26	26	306
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Properties and Classification of Diamond-Like Carbon Films. Materials, 2021, 14, 315.	2.9	85
2	Comprehensive classification of DLC films formed by various methods using NEXAFS measurement. Diamond and Related Materials, 2008, 17, 1743-1745.	3.9	50
3	Characterization of Hard Diamond-Like Carbon Films Formed by Ar Gas Cluster Ion Beam-Assisted Fullerene Deposition. Japanese Journal of Applied Physics, 2002, 41, 4295-4298.	1.5	48
4	Surface Modification of Fluorocarbon Polymers by Synchrotron Radiation. Japanese Journal of Applied Physics, 2003, 42, 3983-3985.	1.5	40
5	Classification of DLC films in terms of biological response. Surface and Coatings Technology, 2012, 207, 350-354.	4.8	37
6	Local structural analysis of a-SiC :H films formed by decomposition of tetramethylsilane in microwave discharge flow of Ar. Diamond and Related Materials, 2011, 20, 364-367.	3.9	24
7	Quantitative NEXAFS and solid-state NMR studies of sp 3 /(sp 2 + sp 3) ratio in the hydrogenated DLC films. Diamond and Related Materials, 2017, 73, 232-240.	3.9	24
8	Elementary Analysis of Diamond-Like Carbon Film Formed by Focused-Ion-Beam Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2007, 46, 8003-8004.	1.5	23
9	Investigation of pitting corrosion of diamond-like carbon films using synchrotron-based spectromicroscopy. Journal of Applied Physics, 2016, 120, .	2.5	20
10	Structural analysis of amorphous carbon films by spectroscopic ellipsometry, RBS/ERDA, and NEXAFS. Applied Physics Letters, 2017, 110, .	3.3	19
11	Synchrotron radiation photoelectron spectroscopy and near-edge X-ray absorption fine structure study on oxidative etching of diamond-like carbon films by hyperthermal atomic oxygen. Applied Surface Science, 2010, 256, 7678-7683.	6.1	17
12	Study of Synchrotron Radiation Near-Edge X-Ray Absorption Fine-Structure of Amorphous Hydrogenated Carbon Films at Various Thicknesses. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	15
13	Synchrotron Radiation Effect in the Soft X-ray Region on the Surface Properties of Pyromellitic Dianhydride-Oxydianline Polyimide. Japanese Journal of Applied Physics, 2004, 43, 3938-3940.	1.5	13
14	Local Structure Analysis on Si-Containing DLC Films Based on the Measurement of C K-Edge and Si K-Edge X-ray Absorption Spectra. Coatings, 2020, 10, 330.	2.6	11
15	Structural Changes in Diamond-Like Carbon Films Fabricated by Ga Focused-Ion-Beam-Assisted Deposition Caused by Annealing. Japanese Journal of Applied Physics, 2010, 49, 06GH06.	1.5	10
16	Comprehensive Classification of Near-Edge X-ray Absorption Fine Structure Spectra of Si-Containing Diamond-Like Carbon Thin Films. Japanese Journal of Applied Physics, 2013, 52, 095504.	1.5	8
17	Soft X-ray irradiation effect on the surface and material properties of highly hydrogenated diamond-like carbon thin films. Diamond and Related Materials, 2014, 44, 8-10.	3.9	8
18	Fabrication of fluorine-terminated diamond-like carbon thin film using a hyperthermal atomic fluorine beam. Diamond and Related Materials, 2011, 20, 703-706.	3.9	6

#	Article	IF	Citations
19	Effect of the Soft X-rays on Highly Hydrogenated Diamond-Like Carbon Films. Japanese Journal of Applied Physics, 2011, 50, 055801.	1.5	6
20	Resistance of Hydrogenated Titanium-Doped Diamond-Like Carbon Film to Hyperthermal Atomic Oxygen. Metals, 2015, 5, 1957-1970.	2.3	6
21	Soft X-ray irradiation effect on the fluorinated DLC film. Diamond and Related Materials, 2017, 79, 14-20.	3.9	6
22	Effect of the Soft X-rays on Highly Hydrogenated Diamond-Like Carbon Films. Japanese Journal of Applied Physics, 2011, 50, 055801.	1.5	6
23	Effect of Soft X-ray Irradiation on Film Properties of a Hydrogenated Si-Containing DLC Film. Materials, 2021, 14, 924.	2.9	5
24	Hyperthermal Atomic Oxygen Beam Irradiation Effect on the Hydrogenated Si-doped DLC Film. Transactions of the Materials Research Society of Japan, 2015, 40, 363-368.	0.2	4
25	Structural analysis of amorphous carbon films by BEMA theory based on spectroscopic ellipsometry measurement. Diamond and Related Materials, 2017, 79, 46-59.	3.9	4
26	Erosion of fluorinated diamond-like carbon films by exposure to soft X-rays. Japanese Journal of Applied Physics, 2018, 57, 045501.	1.5	3