

Masahito Ban

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

329
citations

1040056

9
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

281
citing authors

#	ARTICLE	IF	CITATIONS
1	Internal stress reduction by incorporation of silicon in diamond-like carbon films. <i>Surface and Coatings Technology</i> , 2003, 162, 1-5.	4.8	86
2	Tribological characteristics of Si-containing diamond-like carbon films under oil-lubrication. <i>Wear</i> , 2002, 253, 331-338.	3.1	68
3	Stress and structural properties of diamond-like carbon films deposited by electron beam excited plasma CVD. <i>Diamond and Related Materials</i> , 2003, 12, 47-56.	3.9	62
4	Growth of microcrystalline silicon film by electron beam excited plasma chemical vapor deposition without hydrogen dilution. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1998, 16, 3134-3137.	2.1	15
5	Diamond-like carbon films deposited by electron beam excited plasma chemical vapor deposition. <i>Diamond and Related Materials</i> , 2002, 11, 1353-1359.	3.9	15
6	Effects of diamond-like carbon thin film and wrinkle microstructure on cell proliferation. <i>Diamond and Related Materials</i> , 2018, 90, 194-201.	3.9	15
7	Investigation of nanoplastic cytotoxicity using SH-SY5Y human neuroblastoma cells and polystyrene nanoparticles. <i>Toxicology in Vitro</i> , 2021, 76, 105225.	2.4	15
8	Chemical resistance of DLC thin film deposited PMMA substrates. <i>Surface and Coatings Technology</i> , 2009, 203, 2587-2590.	4.8	13
9	Deposition of diamond-like carbon thin films containing photocatalytic titanium dioxide nanoparticles. <i>Diamond and Related Materials</i> , 2012, 25, 92-97.	3.9	10
10	Effect of Ar+O ₂ Plasma Etching on Microwave Characteristics of YBa ₂ Cu ₃ O _{7-x} Based Resonators. <i>Japanese Journal of Applied Physics</i> , 1996, 35, 4318-4321.	1.5	6
11	Partial formation of linear concavo-convex microstructure onto microwells by diamond-like carbon thin film deposition. <i>Diamond and Related Materials</i> , 2017, 74, 138-144.	3.9	5
12	SiO ₂ passivation film effects on microwave characteristics of YBa ₂ Cu ₃ O _{7-x} based resonators. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 290, 345-353.	1.2	4
13	Proliferation of mesenchymal stem cells by graphene-attached soft material structure. <i>Diamond and Related Materials</i> , 2021, 111, 108229.	3.9	3
14	Formation of Photosensitizing Crystalline C ₆₀ Particles by Ink-Jet Method. <i>World Journal of Nano Science and Engineering</i> , 2012, 02, 110-115.	0.3	3
15	Trends of Antibacterial, Antivirus and Antibiofilm Surface Treatments. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2021, 72, 252-258.	0.2	3
16	Impedance Characteristics of Monolayer and Bilayer Graphene Films with Biofilm Formation and Growth. <i>Sensors</i> , 2022, 22, 3548.	3.8	3
17	Fabrication of arrayed microwells with wrinkle microstructure by ink-jet and diamond-like carbon thin film deposition process. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 249, 114422.	3.5	2
18	Interconnection of Mesenchymal Stem Cells Using Regularly Arrayed Wrinkle Microstructures Fabricated by Diamond-like Carbon Thin Film Deposition. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2021, 72, 567-570.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Application of Carbon Nanomaterials to Biointerface. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2014, 65, 262-267.	0.2	0