

Yoshiki Sugimoto

List of Publications by Year in descending order

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15
docs citations

15
times ranked

185
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between axial compression strength and longitudinal microvoid size for PAN-based carbon fibers. Carbon, 2012, 50, 2860-2869.	10.3	23
2	Structure change of carbon fibers during axial compression. Carbon, 2013, 57, 416-424.	10.3	23
3	Structure changes during tensile deformation and mechanical properties of a twisted carbon nanotube yarn. Carbon, 2013, 60, 193-201.	10.3	22
4	Reduction in tensile strength of polyacrylonitrile-based carbon fibers in liquids and its application to defect analysis. Carbon, 2013, 65, 63-70.	10.3	21
5	Elucidation of damage factors to recycled carbon fibers recovered from CFRPs by pyrolysis for finding optimal recovery conditions. Composites Part B: Engineering, 2021, 218, 108939.	12.0	16
6	Determination of intrinsic strength of carbon fibers. Carbon, 2016, 100, 208-213.	10.3	12
7	Yarns of carbon nanotubes and reduced graphene oxides. Carbon, 2020, 165, 358-377.	10.3	10
8	Simultaneous evaluation of tensile strength and interfacial shear strength of short length carbon fibers using fragmentation test. Carbon, 2020, 161, 83-88.	10.3	9
9	Evaluation of kinetic friction coefficients between single carbon fibers. Carbon, 2020, 167, 264-269.	10.3	7
10	Determination of Carbon Fiber Strength Distribution Using Bundle Fiber Tensile Test: Correction of Measurement System Elongation and Kinetic Friction Between Fibers in the Fiber Bundle. Journal of Materials Research, 2021, 36, 961-969.	2.6	4
11	Estimation of the fiber orientation distribution of carbon fiber-reinforced plastics using small-angle X-ray scattering. Carbon Trends, 2022, 9, 100194.	3.0	3
12	Extraordinarily large swelling energy of iodine-treated poly(vinyl alcohol) demonstrated by jump of a film. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1357-1365.	2.1	2
13	Protection of carbon fiber surfaces with silicon-based ceramic coating. Journal of the Ceramic Society of Japan, 2019, 127, 331-334.	1.1	2
14	Analysis of stress distribution near a blunt surface notch tip in an orthotropic fiber under tension. Theoretical and Applied Fracture Mechanics, 2017, 89, 29-34.	4.7	1
15	Ceramic molds suitable for rapid forming of CFRP composites via microwave irradiation. International Journal of Applied Ceramic Technology, 2019, 16, 2380-2384.	2.1	1