

# Daisuke Shimamoto

## List of Publications by Year in descending order

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50  
papers

788  
citations

567144

15  
h-index

526166

27  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1097  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship study between crystal structure and thermal/mechanical properties of polyamide 6 reinforced and unreinforced by carbon fiber from macro and local view. <i>Polymer</i> , 2014, 55, 6186-6194.	1.8	82
2	Selective Optical Property Modification of Double-Walled Carbon Nanotubes by Fluorination. <i>ACS Nano</i> , 2008, 2, 485-488.	7.3	64
3	Synthesis and Isolation of Molybdenum Atomic Wires. <i>Nano Letters</i> , 2008, 8, 237-240.	4.5	61
4	Robust, Conducting, and Transparent Polymer Composites Using Surface-Modified and Individualized Double-Walled Carbon Nanotubes. <i>Advanced Materials</i> , 2008, 20, 4509-4512.	11.1	58
5	Properties of One-Dimensional Molybdenum Nanowires in a Confined Environment. <i>Nano Letters</i> , 2009, 9, 1487-1492.	4.5	43
6	Bright Photoluminescence from the Inner Tubes of Peapod-Derived Double-Walled Carbon Nanotubes. <i>Small</i> , 2009, 5, 2678-2682.	5.2	38
7	Nonlinear optical absorption and reflection of single wall carbon nanotube thin films by Z-scan technique. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	37
8	Strong and stable photoluminescence from the semiconducting inner tubes within double walled carbon nanotubes. <i>Applied Physics Letters</i> , 2009, 94, 083106.	1.5	34
9	Chirality-Dependent Transport in Double-Walled Carbon Nanotube Assemblies: The Role of Inner Tubes. <i>ACS Nano</i> , 2011, 5, 7547-7554.	7.3	28
10	Raman and Fluorescence Spectroscopic Studies of a DNA-Dispersed Double-Walled Carbon Nanotube Solution. <i>ACS Nano</i> , 2010, 4, 1060-1066.	7.3	25
11	Bulk Synthesis of Narrow Diameter and Highly Crystalline Triple-Walled Carbon Nanotubes by Coalescing Fullerene Peapods. <i>Advanced Materials</i> , 2011, 23, 1761-1764.	11.1	25
12	Wet-jet milling-assisted exfoliation of h-BN particles with lamination structure. <i>Ceramics International</i> , 2015, 41, 10512-10519.	2.3	20
13	Diameter-selective separation of double-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2008, 93, 223107.	1.5	18
14	Defect-Enhanced Dispersion of Carbon Nanotubes in DNA Solutions. <i>ChemPhysChem</i> , 2009, 10, 2414-2417.	1.0	18
15	Boron Atoms as Loop Accelerator and Surface Stabilizer in Platelet-Type Carbon Nanofibers. <i>ChemPhysChem</i> , 2010, 11, 2345-2348.	1.0	15
16	The Ni-plated carbon fiber as a tracer for observation of the fiber orientation in the carbon fiber reinforced plastic with X-ray CT. <i>Composites Part B: Engineering</i> , 2015, 76, 38-43.	5.9	15
17	CdSe quantum dot-decorated double walled carbon nanotubes: The effect of chemical moieties. <i>Applied Physics Letters</i> , 2008, 93, 051901.	1.5	13
18	Correlation between in Situ Raman Scattering and Electrical Conductance for an Individual Double-Walled Carbon Nanotube. <i>Nano Letters</i> , 2009, 9, 383-387.	4.5	13

#	ARTICLE	IF	CITATIONS
19	Effect of microwave irradiation on carbon fiber/epoxy resin composite fabricated by vacuum assisted resin transfer molding. <i>Advanced Composite Materials</i> , 2016, 25, 71-79.	1.0	12
20	Hysteretic transfer characteristics of double-walled and single-walled carbon nanotube field-effect transistors. <i>Applied Physics Letters</i> , 2007, 91, 143118.	1.5	11
21	Evaluation of measurement method for carbon fiber length using an optical image scanner. <i>Advanced Composite Materials</i> , 2018, 27, 605-614.	1.0	10
22	Curing Effects on Interfacial Adhesion between Recycled Carbon Fiber and Epoxy Resin Heated by Microwave Irradiation. <i>Materials</i> , 2018, 11, 493.	1.3	10
23	Raman study on electrochemical lithium insertion into multiwalled carbon nanotubes. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 1183-1188.	1.2	9
24	A simple route to short cup-stacked carbon nanotubes by sonication. <i>Carbon</i> , 2010, 48, 3643-3647.	5.4	9
25	Effect of wet jet milling of carbon nanotube on electrical properties of polymer nanocomposites. <i>Materials Chemistry and Physics</i> , 2014, 148, 1178-1183.	2.0	9
26	Quantitative evaluation of interfacial adhesion between fiber and resin in carbon fiber/epoxy composite cured by semiconductor microwave device. <i>Composite Interfaces</i> , 2016, 23, 395-404.	1.3	9
27	Simultaneous evaluation of tensile strength and interfacial shear strength of short length carbon fibers using fragmentation test. <i>Carbon</i> , 2020, 161, 83-88.	5.4	9
28	Controlled growth of one-dimensional clusters of molybdenum atoms using double-walled carbon nanotube templating. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	8
29	Suppression of thermal degradation for interface between carbon fiber and resin matrix in carbon fiber reinforced thermoplastic using hexagonal boron nitride. <i>Journal of the Ceramic Society of Japan</i> , 2014, 122, 732-735.	0.5	8
30	Exfoliation of hexagonal boron nitride using wet-rotating disc milling. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 512-515.	0.5	8
31	Exfoliation of non-swelling muscovite on dodecylammonium chloride intercalation between layers using wet-jet milling. <i>Advanced Powder Technology</i> , 2017, 28, 1911-1919.	2.0	8
32	Kinetic Study of Resin-Curing on Carbon Fiber/Epoxy Resin Composites by Microwave Irradiation. <i>Open Journal of Composite Materials</i> , 2014, 04, 85-96.	0.4	8
33	Carbon fiber sampling method for determining the fiber length distribution. <i>Advanced Composite Materials</i> , 2021, 30, 59-76.	1.0	7
34	Transparent and Conductive Polyethylene Oxide Film by the Introduction of Individualized Single-Walled Carbon Nanotubes. <i>Macromolecular Rapid Communications</i> , 2009, 30, 2084-2088.	2.0	6
35	Sensitive G-Band Raman Features for the Electrical Conductivity of Multi-Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3940-3944.	0.9	6
36	Fiber orientation and flexural properties of short carbon fiber/epoxy composites. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 125-128.	0.5	6

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37	Determination of the stacking order of curved few-layered graphene systems. <i>Nanoscale</i> , 2012, 4, 6419.	2.8	5
38	Improvement of thermal and mechanical properties of carbon fiber reinforced plastic composite with exfoliated hexagonal boron nitride particles. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 808-812.	0.5	4
39	The effects of pulverization treatment for the mechanical properties of polyamide 6 fiber filled with carbon nanotubes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 254, 114514.	1.7	4
40	Photocatalysis-induced selective decoration of semiconducting single walled carbon nanotubes: hole-doping effect. <i>Chemical Communications</i> , 2010, 46, 6977.	2.2	3
41	Thermal Response Analysis of Porous Carbon-based Non-Ablative Heatshield in an Arcjet Flow Condition. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2018, 61, 211-218.	0.4	3
42	Synthesis of catalytic chemical vapor grown carbon fibers: carbon nanotube and carbon nanofiber. <i>Tanso</i> , 2010, 2010, 153-160.	0.1	3
43	Influence of kneading time on network formation and electrical properties of wet jet milling treated and untreated SWCNT reinforced polyamide 6 nanocomposites by impedance spectroscopy. <i>Polymer</i> , 2015, 80, 18-26.	1.8	2
44	Improvement of thermal propagation in carbon fiber/thermoplastic composite with hexagonal boron nitride powder. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 1055-1058.	0.5	1
45	Ceramic molds suitable for rapid forming of CFRP composites via microwave irradiation. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 2380-2384.	1.1	1
46	Optical Spectroscopic Studies of Thermally Coalesced Single-Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3878-3883.	0.9	0
47	Influence of Thermal Effusivity of Ceramic Dense Mold on Microwave-heating of Carbon Fiber Reinforced Plastic. <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2017, 64, 532-537.	0.1	0
48	Effect of wet-rotating disc milling process for preparation of stable dispersed Al <sub>2</sub> O <sub>3</sub> slurries and dense green bodies. <i>Materials Today: Proceedings</i> , 2019, 16, 163-172.	0.9	0
49	Optical studies of inner tubes within double-walled carbon nanotubes. <i>Tanso</i> , 2009, 2009, 172-179.	0.1	0
50	Analytical Evaluation on Mechanical Characteristics of Discontinuous Carbon Fiber Reinforced Thermoplastic Composites. <i>The Proceedings of the Materials and Mechanics Conference</i> , 2017, 2017, OS1010.	0.0	0