

Yoshinori Sato

List of Publications by Year in descending order

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37
papers

1,113
citations

567281

15
h-index

434195

31
g-index

40
all docs

40
docs citations

40
times ranked

1697
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of length on cytotoxicity of multi-walled carbon nanotubes against human acute monocytic leukemia cell line THP-1 in vitro and subcutaneous tissue of rats in vivo. <i>Molecular BioSystems</i> , 2005, 1, 176.	2.9	318
2	Cu-Doped ZnS Hollow Particle with High Activity for Hydrogen Generation from Alkaline Sulfide Solution under Visible Light. <i>Chemistry of Materials</i> , 2008, 20, 1997-2000.	6.7	168
3	Apatite formation on carbon nanotubes. <i>Materials Science and Engineering C</i> , 2006, 26, 675-678.	7.3	115
4	Structure–property relationships in thermally-annealed multi-walled carbon nanotubes. <i>Carbon</i> , 2014, 66, 219-226.	10.3	74
5	Super-Robust, Lightweight, Conducting Carbon Nanotube Blocks Cross-Linked by De-fluorination. <i>ACS Nano</i> , 2008, 2, 348-356.	14.6	46
6	Long-term biopersistence of tangled oxidized carbon nanotubes inside and outside macrophages in rat subcutaneous tissue. <i>Scientific Reports</i> , 2013, 3, 2516.	3.3	43
7	Novel Method to Evaluate the Carbon Network of Single-Walled Carbon Nanotubes by Hydrogen Physisorption. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14937-14941.	3.1	41
8	Single-walled carbon nanotube-derived novel structural material. <i>Journal of Materials Research</i> , 2006, 21, 1537-1542.	2.6	35
9	In Vitro and In Vivo Evaluation of a Three-Dimensional Porous Multi-Walled Carbon Nanotube Scaffold for Bone Regeneration. <i>Nanomaterials</i> , 2017, 7, 46.	4.1	35
10	Work function, carrier type, and conductivity of nitrogen-doped single-walled carbon nanotube catalysts prepared by annealing via defluorination and efficient oxygen reduction reaction. <i>Carbon</i> , 2019, 142, 518-527.	10.3	28
11	Relation of the Number of Cross-Links and Mechanical Properties of Multi-Walled Carbon Nanotube Films Formed by a Dehydration Condensation Reaction. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23159-23163.	2.6	23
12	Efficiency and long-term durability of a nitrogen-doped single-walled carbon nanotube electrocatalyst synthesized by defluorination-assisted nanotube-substitution for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9184-9195.	10.3	21
13	A three-dimensional block structure consisting exclusively of carbon nanotubes serving as bone regeneration scaffold and as bone defect filler. <i>PLoS ONE</i> , 2017, 12, e0172601.	2.5	21
14	Structural and Electrochemical Characterization of Ethylenediaminated Single-Walled Carbon Nanotubes Prepared from Fluorinated SWCNTs. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14948-14956.	3.1	19
15	Highly Crystalline Single-Walled Carbon Nanotube Field Emitters: Energy-Loss-Free High Current Output and Long Durability with High Power. <i>ACS Applied Electronic Materials</i> , 2019, 1, 163-171.	4.3	17
16	Defluorination-assisted nanotube-substitution reaction with ammonia gas for synthesis of nitrogen-doped single-walled carbon nanotubes. <i>Carbon</i> , 2015, 94, 1052-1060.	10.3	16
17	Preparation of Single-Walled Carbon Nanotube Solids and Their Mechanical Properties. <i>Journal of Materials Research</i> , 2005, 20, 2609-2612.	2.6	13
18	Electrochemical capacitors using nitrogen-doped vertically aligned multi-walled carbon nanotube electrodes prepared by defluorination. <i>Carbon</i> , 2018, 132, 539-547.	10.3	13

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19	Asymmetric and symmetric absorption peaks observed in infrared spectra of CO ₂ adsorbed on TiO ₂ nanotubes. <i>Journal of Chemical Physics</i> , 2016, 144, 154703.	3.0	10
20	Characterization of Silver Nanoparticle-Decorated Single-Walled Carbon Nanotube Films. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009, 17, 587-599.	2.1	8
21	In Situ Electrochemical Raman Spectroscopy of Air-Oxidized Semiconducting Single-Walled Carbon Nanotube Bundles in Aqueous Sulfuric Acid Solution. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7133-7143.	3.1	8
22	Functionalization of primary amine groups to single-walled carbon nanotubes by reacting fluorinated SWCNTs with ammonia gas at a low temperature. <i>Carbon</i> , 2021, 172, 360-371.	10.3	7
23	Internal distribution of micro-/nano-sized ceramics and metals particles in mice. <i>Journal of the Ceramic Society of Japan</i> , 2010, 118, 525-529.	1.1	5
24	Is the tensile strength of carbon nanotubes enhanced by supported materials?: Effect of supported amorphous alumina nanoparticles on the tensile strength of carbon nanotubes. <i>Carbon</i> , 2017, 118, 339-342.	10.3	5
25	Pt-Pd Nanoalloy for the Unprecedented Activation of Carbon-Fluorine Bond at Low Temperature. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1180-1185.	3.2	5
26	Slippage-inhibiting effect of interfacial cross-linking of nanotubes by defluorination on the mechanical properties of free-standing multi-walled carbon nanotube yarns: Comparison with individual multi-walled carbon nanotubes. <i>Carbon</i> , 2021, 179, 1-12.	10.3	5
27	Boron-Assisted Transformation to Rod-Like Graphitic Carbons from Multi-Walled Carbon Nanotubes in Boron-Mixed Multi-Walled Carbon Nanotube Solids. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2431-2439.	8.0	4
28	Effects of Polycarbosilane Addition on the Mechanical Properties of Single-Walled Carbon Nanotube Solids. <i>JSME International Journal Series A-Solid Mechanics and Material Engineering</i> , 2005, 48, 189-193.	0.4	3
29	The Purity and Thermal Stability in Air of Metal-Encapsulating Carbon Nanocapsules (MECNCs). <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2007, 15, 303-309.	2.1	3
30	Influence of supported PtPd nanoparticles on the tensile strength of individual multi-walled carbon nanotubes: strength decrease by the interaction of metal and nanotube. <i>RSC Advances</i> , 2017, 7, 49917-49922.	3.6	3
31	Evaluation of Mechanical Properties of Single-Walled Carbon Nanotube Solids Prepared by Spark Plasma Sintering. <i>Funtai Oyobi Fummtsu Yakini/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2005, 52, 826-830.	0.2	1
32	Mechanical Properties of Single-Walled Carbon Nanotube Solids Prepared by Spark Plasma Sintering. <i>Journal of Solid Mechanics and Materials Engineering</i> , 2007, 1, 854-863.	0.5	0
33	Small and Shaping the Future Energy Eco-house System. , 2010, , .		0
34	216 Mechanical Properties of Single-Walled Carbon Nanotube Solids Prepared by Spark Plasm Sintering. <i>The Proceedings of Conference of Tohoku Branch</i> , 2004, 2004.39, 76-77.	0.0	0
35	212 Preparation of Single-Walled Carbon Nanotube Solids and Their Mechanical Properties. <i>The Proceedings of Conference of Tohoku Branch</i> , 2005, 2005.40, 74-75.	0.0	0
36	Carbon Nanotube-Bio Interface. <i>Hyomen Kagaku</i> , 2009, 30, 202-206.	0.0	0

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37	Oxygen reduction reaction catalytic activity of carbon nanotubes in aqueous acid solutions. Tanso, 2020, 2020, 185-193.	0.1	0