Kazufumi Kobashi

List of Publications by Year
in descending order

51 papers	2,303 citations	430874 18 h-index	206112 48 g-index
51 all docs	51 docs citations	51 times ranked	3436 citing authors

#	Article	IF	Citations
1	Extracting the Full Potential of Singleâ€Walled Carbon Nanotubes as Durable Supercapacitor Electrodes Operable at 4 V with High Power and Energy Density. Advanced Materials, 2010, 22, E235-41.	21.0	582
2	One hundred fold increase in current carrying capacity in a carbon nanotubeâ€“copper composite. Nature Communications, 2013, 4, 2202.	12.8	422
3	Liquid sensing properties of fibres prepared by melt spinning from poly(lactic acid) containing multi-walled carbon nanotubes. Composites Science and Technology, 2010, 70, 343-349.	7.8	159
4	Soluble Ultra-Short Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2006, 128, 10568-10571.	13.7	119
5	Liquid sensing of melt-processed poly(lactic acid)/multi-walled carbon nanotube composite films. Sensors and Actuators B: Chemical, 2008, 134, 787-795.	7.8	99
6	Mechanically Durable and Highly Conductive Elastomeric Composites from Long Single-Walled Carbon Nanotubes Mimicking the Chain Structure of Polymers. Nano Letters, 2012, 12, 2710-2716.	9.1	94
7	Lithographically Integrated Microsupercapacitors for Compact, High Performance, and Designable Energy Circuits. Advanced Energy Materials, 2015, 5, 1500741.	19.5	67
8	In Situ Polymerization Initiated by Single-Walled Carbon Nanotube Salts. Chemistry of Materials, 2006, 18, 4764-4767.	6.7	62
9	Macroscopic Wall Number Analysis of Single-Walled, Double-Walled, and Few-Walled Carbon Nanotubes by X-ray Diffraction. Journal of the American Chemical Society, 2011, 133, 5716-5719.	13.7	62
10	Investigation of liquid sensing mechanism of poly(lactic acid)/multi-walled carbon nanotube composite films. Smart Materials and Structures, 2009, 18, 035008.	3.5	55
11	A dispersion strategy: dendritic carbon nanotube network dispersion for advanced composites. Chemical Science, 2013, 4, 727-733.	7.4	52
12	A sweet spot for highly efficient growth of vertically aligned single-walled carbon nanotube forests enabling their unique structures and properties. Nanoscale, 2016, 8, 162-171.	5.6	52
13	Liquid sensing properties of melt processed polypropylene/poly(Îµ-caprolactone) blends containing multiwalled carbon nanotubes. Composites Science and Technology, 2011, 71, 1451-1460.	7.8	50
14	Classification of Commercialized Carbon Nanotubes into Three General Categories as a Guide for Applications. ACS Applied Nano Materials, 2019, 2, 4043-4047.	5.0	39
15	Epoxy composite sheets with a large interfacial area from a high surface area-supplying single-walled carbon nanotube scaffold filler. Carbon, 2011, 49, 5090-5098.	10.3	33
16	Copolymer of Single-Walled Carbon Nanotubes and Poly(p-phenylene benzobisoxazole). Chemistry of Materials, 2007, 19, 291-300.	6.7	32
17	Hierarchical Three-Dimensional Layer-by-Layer Assembly of Carbon Nanotube Wafers for Integrated Nanoelectronic Devices. Nano Letters, 2012, 12, 4540-4545.	9.1	23
18	Nanotube length and density dependences of electrical and mechanical properties of carbon nanotube fibres made by wet spinning. Carbon, 2019, 152, 1-6.	10.3	23

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19	Improved thermal stability of silicone rubber nanocomposites with low filler content, achieved by well-dispersed carbon nanotubes. Composites Communications, 2020, 22, 100482.	6.3	23
20	Green, Scalable, Binderless Fabrication of a Single-Walled Carbon Nanotube Nonwoven Fabric Based on an Ancient Japanese Paper Process. ACS Applied Materials & Interfaces, 2013, 5, 12602-12608.	8.0	19
21	Torsion-Sensing Material from Aligned Carbon Nanotubes Wound onto a Rod Demonstrating Wide Dynamic Range. ACS Nano, 2013, 7, 3177-3182.	14.6	18
22	Whisker of poly(p-oxybenzoyl-co-p-mercaptobenzoyl)?influence of sequence on polymer morphology. Polymers for Advanced Technologies, 2000, 11, 747-756.	3.2	17
23	Dispersions of High-Quality Carbon Nanotubes with Narrow Aggregate Size Distributions by Viscous Liquid for Conducting Polymer Composites. ACS Applied Nano Materials, 2020, 3, 1391-1399.	5.0	16
24	Virtual experimentations by deep learning on tangible materials. Communications Materials, 2021, 2, .	6.9	16
25	Direct Synthesis of Wholly Aromatic Polyamides by Using Reaction-Induced Crystallization. Macromolecules, 2009, 42, 6128-6135.	4.8	12
26	Designing Neat and Composite Carbon Nanotube Materials by Porosimetric Characterization. Nanoscale Research Letters, 2017, 12, 616.	5.7	12
27	Controlling the structure of arborescent carbon nanotube networks for advanced rubber composites. Composites Science and Technology, 2018, 163, 10-17.	7.8	11
28	Nonuniform functional group distribution of carbon nanotubes studied by energy dispersive X-ray spectrometry imaging in SEM. Nanoscale, 2019, 11, 21487-21492.	5.6	11
29	Supercapacitor Electrodes of Blended Carbon Nanotubes with Diverse Conductive Porous Structures Enabling High Charge/Discharge Rates. ACS Applied Energy Materials, 2021, 4, 9712-9720.	5.1	11
30	Morphology Control of Poly(p-mercaptobenzoyl) by Modification of Oligomer End-group. Polymer Journal, 2005, 37, 471-479.	2.7	10
31	The limitation of electrode shape on the operational speed of a carbon nanotube based micro-supercapacitor. Sustainable Energy and Fuels, 2017, 1, 1282-1286.	4.9	10
32	A New, General Strategy for Fabricating Highly Concentrated and Viscoplastic Suspensions Based on a Structural Approach To Modulate Interparticle Interaction. Journal of the American Chemical Society, 2018, 140, 1098-1104.	13.7	9
33	Quantitative Method for Analyzing Dendritic Carbon Nanotube Agglomerates in Dispersions Using Differential Centrifugal Sedimentation. Journal of Physical Chemistry C, 2019, 123, 21252-21256.	3.1	9
34	Quantitative Surface Characterization of As-Grown and Acid-Treated Single-Walled Carbon Nanotubes: Implications for Functional Materials. ACS Applied Nano Materials, 2021, 4, 5273-5284.	5.0	9
35	Self-Assembling Polycondensation for Preparation of Poly(p-oxybenzoyl-alt-p-mercaptobenzoyl) Whisker. Macromolecules, 2003, 36, 4268-4275.	4.8	7
36	Outer-Surface Covalent Functionalization of Carbon Nanohorn Spherical Aggregates Assessed by Highly Spatial-Resolved Energy-Dispersive X-ray Spectrometry in Scanning Electron Microscopy. Journal of Physical Chemistry C, 2020, 124, 25142-25147.	3.1	7

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37	N₂ Gas Adsorption Sites of Single-Walled Carbon Nanotube Bundles: Identifying Interstitial Channels at Very Low Relative Pressure. Langmuir, 2021, 37, 9144-9150.	3.5	7
38	Influence of short distance sequence regularity on preparation of poly(p-oxybenzoyl-co-p-mercaptobenzoyl) whisker. Polymer, 2004, 45, 7099-7107.	3.8	6
39	Polymer Whiskers Composed ofp-Oxybenzoyl andp-Mercaptobenzoyl Having Graded Compositions. Macromolecules, 2004, 37, 7570-7577.	4.8	5
40	Seamless control of the electrical property of carbon nanotube buckypapers by a simple mixing approach. Materials Letters, 2021, 304, 130620.	2.6	5
41	Quantitative Evidence for the Dependence of Highly Crystalline Single Wall Carbon Nanotube Synthesis on the Growth Method. Nanomaterials, 2021, 11, 3461.	4.1	5
42	Polymer whiskers based on p-mercaptobenzoyl and p-oxybenzoyl blocks. Polymer, 2005, 46, 2191-2200.	3.8	4
43	Mechanically Robust Free-Standing Single-Walled Carbon Nanotube Thin Films With Uniform Mesh-Structure by Blade Coating. Frontiers in Materials, 2020, 7, .	2.4	4
44	Carbon Nanotube Length Distribution Estimation by One-Dimensional Plasmon Resonance for Solid-State Samples. Journal of Physical Chemistry C, 2021, 125, 19362-19367.	3.1	4
45	Dual Self-Assembling Polycondensation ofp-Acetoxybenzoic Acid andp-Acetamidobenzoic Acid. Macromolecular Rapid Communications, 2003, 24, 190-193.	3.9	3
46	Porosity and size analysis of porous microparticles by centrifugal sedimentation with and without density gradient. Powder Technology, 2022, 407, 117663.	4.2	3
47	Preparation of singleâ€walled carbon nanotubesâ€induced poly(<i>p</i>â€oxybenzoyl) crystals. Journal of Polymer Science Part A, 2008, 46, 1265-1277.	2.3	2
48	Liquid Crystalline Behaviors of Single-Walled Carbon Nanotubes in an Aqueous Sodium Cholate Dispersion. Langmuir, 2022, 38, 8899-8905.	3.5	2
49	Unravelling Effect of Carbon Nanotube Powders by Highly Viscous Liquids. Journal of the Society of Powder Technology, Japan, 2019, 56, 563-566.	0.1	1
50	Indentation behavior of suspended single-walled carbon nanotube films. Carbon Trends, 2021, 5, 100112.	3.0	0
51	Application of Carbon Nanotubes Unravelled by Viscous Liquids. Journal of the Society of Powder Technology, Japan, 2020, 57, 446-448.	0.1	0