Masako Yudasaka

List of Publications by Year in Descending Order

430 papers	18,905 citations	75 h-index	116 g-index
447 ext. papers	20,125 ext. citations	6 avg, IF	6.57 L-index

#	Paper	IF	Citations
430	Polymer-coated carbon nanotube hybrids with functional peptides for gene delivery into plant mitochondria.. *Nature Communications*, **2022**, 13, 2417	17.4	1
429	Cold-induced Conversion of Connective Tissue Skeleton in Brown Adipose Tissues. *Acta Histochemica Et Cytochemica*, **2021**, 54, 131-141	1.9	1
428	Control of anisotropic conduction of carbon nanotube sheets and their use as planar-type thermoelectric conversion materials. *Science and Technology of Advanced Materials*, **2021**, 22, 272-279	7.1	2
427	Antibody-Conjugated Gel-Coated Single-Walled Carbon Nanotubes as Photothermal Agents.. *ACS Applied Bio Materials*, **2021**, 4, 5049-5056	4.1	2
426	Comparative assessments of the biodistribution and toxicity of oxidized single-walled carbon nanotubes dispersed with two different reagents after intravenous injection. *Nanotoxicology*, **2021**, 15, 798-811	5.3	2
425	Structure Dependence of Photoluminescence Solvatochromic Energy Shifts Based on Exciton Localization in Locally Functionalized Single-Walled Carbon Nanotubes. *Journal of Physical Chemistry C*, **2021**, 125, 12758-12766	3.8	2
424	Electron doping of single-walled carbon nanotubes using pyridine-boryl radicals. *Chemical Communications*, **2021**, 57, 6019-6022	5.8	0
423	Thermal deposition method for p□ patterning of carbon nanotube sheets for planar-type thermoelectric generator. *Journal of Materials Chemistry A*, **2021**, 9, 12188-12195	13	2
422	Ibandronate-Loaded Carbon Nanohorns Fabricated Using Calcium Phosphates as Mediators and Their Effects on Macrophages and Osteoclasts. *ACS Applied Materials & Interfaces*, **2021**, 13, 3701-3712	9.5	1
421	Carbon nanohorn coating by electrodeposition accelerate bone formation on titanium implant. *Artificial Cells, Nanomedicine and Biotechnology*, **2021**, 49, 20-29	6.1	4
420	Stable aqueous dispersions of carbon nanohorns loaded with minocycline and exhibiting antibacterial activity. *Carbon*, **2020**, 166, 36-45	10.4	0
419	Clearance of single-wall carbon nanotubes from the mouse lung: a quantitative evaluation. *Nanoscale Advances*, **2020**, 2, 1551-1559	5.1	5
418	Supramolecular Chemistry-Based One-Pot High-Efficiency Separation of Solubilizer-Free Pure Semiconducting Single-Walled Carbon Nanotubes: Molecular Strategy and Mechanism. *Journal of the American Chemical Society*, **2020**, 142, 11847-11856	16.4	6
417	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. *Nature Nanotechnology*, **2020**, 15, 164-166	28.7	40
416	Thermal Conversion of Triazine-Based Covalent Organic Frameworks to Nitrogen-Doped Nanoporous Carbons and Their Capacitor Performance. *Bulletin of the Chemical Society of Japan*, **2020**, 93, 414-420	5.1	8
415	Thermoelectric Properties of Thin Films from Sorted Single-Walled Carbon Nanotubes. *Materials*, **2020**, 13,	3.5	3
414	Radical Polymer Grafting on the Surface of Single-Walled Carbon Nanotubes Enhances Photoluminescence in the Near-Infrared Region: Implications for Bioimaging and Biosensing. *ACS Applied Nano Materials*, **2020**, 3, 8840-8847	5.6	8

413	Directly crosslinked dextran gels for SWCNT separation. *Carbon*, **2020**, 156, 422-429	10.4	6
412	Carbon nanohorn/liposome systems: Preformulation, design and in vitro toxicity studies. *Materials Science and Engineering C*, **2019**, 105, 110114	8.3	6
411	Single-step isolation of carbon nanotubes with narrow-band light emission characteristics. *Scientific Reports*, **2019**, 9, 535	4.9	17
410	Thermoelectric properties of sorted semiconducting single-walled carbon nanotube sheets. *Science and Technology of Advanced Materials*, **2019**, 20, 97-104	7.1	14
409	Diameter-Dependent Degradation of 11 Types of Carbon Nanotubes: Safety Implications. *ACS Applied Nano Materials*, **2019**, 2, 4293-4301	5.6	14
408	Effect of nitrogen-containing polymer wrapped around carbon nanotubes for Li□O2 battery cathode. *Polymer Journal*, **2019**, 51, 921-927	2.7	3
407	Brighter near-IR emission of single-walled carbon nanotubes modified with a cross-linked polymer coating. *Chemical Communications*, **2019**, 55, 6854-6857	5.8	6
406	Time-dependent degradation of carbon nanotubes correlates with decreased reactive oxygen species generation in macrophages. *International Journal of Nanomedicine*, **2019**, 14, 2797-2807	7.3	21
405	Characterization and Biodistribution Analysis of Oxygen-Doped Single-Walled Carbon Nanotubes Used as in Vivo Fluorescence Imaging Probes. *Bioconjugate Chemistry*, **2019**, 30, 1323-1330	6.3	18
404	Development of Thermoelectric Conversion Materials Using Carbon Nanotube Sheets. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 400-408	5.1	35
403	A Simple Method for Removal of Carbon Nanotubes from Wastewater Using Hypochlorite. *Scientific Reports*, **2019**, 9, 1284	4.9	13
402	Meta-linkage Design of Bis-aryldiazonium Modifiers for Wavelength Tuning of Near Infrared Photoluminescence from Locally Functionalized Single-walled Carbon Nanotubes. *Chemistry Letters* , **2019**, 48, 791-794	1.7	5
401	Air-Stable n-Type Single-Walled Carbon Nanotubes Doped with Benzimidazole Derivatives for Thermoelectric Conversion and Their Air-Stable Mechanism. *ACS Applied Nano Materials*, **2019**, 2, 4703-4710	5.6	28
400	The relationship between inherent properties of carbon nanotubes and electrochemical durability of supported-Pt catalysts. *Diamond and Related Materials*, **2019**, 97, 107459	3.5	2
399	Alkaline Stability of Anion-Conductive Ionomer Coated on a Carbon Surface. *ACS Omega*, **2019**, 4, 17134-17139	3.7	10
398	Fate of Carbon Nanotubes Locally Implanted in Mice Evaluated by Near-Infrared Fluorescence Imaging: Implications for Tissue Regeneration. *ACS Applied Nano Materials*, **2019**, 2, 1382-1390	5.6	7
397	Oxygen-doped carbon nanotubes for near-infrared fluorescent labels and imaging probes. *Scientific Reports*, **2018**, 8, 6272	4.9	48
396	Insights into the Low Overpotential Electroreduction of CO2 to CO on a Supported Gold Catalyst in an Alkaline Flow Electrolyzer. *ACS Energy Letters*, **2018**, 3, 193-198	20.1	263

395	Size-dependent cell uptake of carbon nanotubes by macrophages: A comparative and quantitative study. *Carbon*, **2018**, 127, 93-101	10.4	44
394	Preparation, electrical properties, and supercapacitor applications of fibrous aggregates of single-walled carbon nanohorns. *Carbon*, **2018**, 138, 379-383	10.4	4
393	Polymer-Coated Carbon Nanotubes as a Molecular Heater Platform for Hyperthermic Therapy. *Journal of Hard Tissue Biology*, **2018**, 27, 139-146	0.4	4
392	Control of the Near Infrared Photoluminescence of Locally Functionalized Single-Walled Carbon Nanotubes via Doping by Azacrown-Ether Modification. *Chemistry - A European Journal*, **2018**, 24, 9393-9398	4.8	16
391	Immobilization of a carbon nanomaterial-based localized drug-release system using a bispecific material-binding peptide. *International Journal of Nanomedicine*, **2018**, 13, 1643-1652	7.3	7
390	Quantification of Carbon Nanotubes Taken up by Macrophage Cells Using Optical Absorption Method. *E-Journal of Surface Science and Nanotechnology*, **2018**, 16, 93-96	0.7	2
389	Synthesis of Single-Walled Carbon Nanotubes Coated with Thiol-Reactive Gel via Emulsion Polymerization. *Journal of the American Chemical Society*, **2018**, 140, 8544-8550	16.4	11
388	Fabrication process optimization of membrane electrode assembly for higher performance in unitized reversible fuel cell. *The Proceedings of Conference of Kyushu Branch*, **2018**, 2018.71, F23	0	
387	Fasting-dependent Vascular Permeability Enhancement in Brown Adipose Tissues Evidenced by Using Carbon Nanotubes as Fluorescent Probes. *Scientific Reports*, **2018**, 8, 14446	4.9	13
386	Multistep Wavelength Switching of Near-Infrared Photoluminescence Driven by Chemical Reactions at Local Doped Sites of Single-Walled Carbon Nanotubes. *Chemistry - A European Journal*, **2018**, 24, 19162-19165	4.8	14
385	Chiral Selective Chemical Reaction of Flavin-Derivative-Wrapped Semiconducting Single-Walled Carbon Nanotubes Based on a Specific Recognition. *Bulletin of the Chemical Society of Japan*, **2018**, 91, 1646-1651	5.1	8
384	Electronic Structure of a Polybenzimidazole-Wrapped Single-Wall Carbon Nanotube. *Journal of Physical Chemistry C*, **2018**, 122, 15979-15985	3.8	6
383	A highly efficient and durable carbon nanotube-based anode electrocatalyst for water electrolyzers. *Journal of Materials Chemistry A*, **2017**, 5, 10584-10590	13	16
382	Significance of Optimization of Phospholipid Poly(Ethylene Glycol) Quantity for Coating Carbon Nanohorns to Achieve Low Cytotoxicity. *Bulletin of the Chemical Society of Japan*, **2017**, 90, 662-666	5.1	11
381	Electrospinning of poly(vinylpyrrodine) template for formation of ZrO2 nanoclusters for enhancing properties of composite proton conducting membranes. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2017**, 66, 289-298	3	8
380	Decorating unoxidized-carbon nanotubes with homogeneous Ni-Co spinel nanocrystals show superior performance for oxygen evolution/reduction reactions. *Scientific Reports*, **2017**, 7, 45384	4.9	37
379	Near-Infrared Photoluminescent Carbon Nanotubes for Imaging of Brown Fat. *Scientific Reports*, **2017**, 7, 44760	4.9	55
378	Gold Nanoparticles on Polymer-Wrapped Carbon Nanotubes: An Efficient and Selective Catalyst for the Electroreduction of CO. *ChemPhysChem*, **2017**, 18, 3274-3279	3.2	48

377	High Electronic Conductivity and Air Stability of Ultrasmall Copper-Metal Nanoparticles Supported on Pyridine-Based Polybenzimidazole Carbon Nanotube Composite. *ChemCatChem*, **2017**, 9, 4282-4286	5.2	6
376	Carbon nanotubes forming cores of fibrous aggregates of carbon nanohorns. *Carbon*, **2017**, 122, 665-668	10.4	8
375	Hypochlorite degrades 2D graphene oxide sheets faster than 1D oxidised carbon nanotubes and nanohorns. *Npj 2D Materials and Applications*, **2017**, 1,	8.8	19
374	Boron- and nitrogen-doped single-walled carbon nanohorns with graphite-like thin sheets prepared by CO2 laser ablation method. *Carbon*, **2017**, 111, 675-680	10.4	23
373	Electrochemical immunosensor for the determination of 8-isoprostane aging biomarker using carbon nanohorns-modified disposable electrodes. *Journal of Electroanalytical Chemistry*, **2017**, 793, 197-202	4.1	15
372	Nanocarbon Materials: Preparation and Characterization of Newly Discovered Fibrous Aggregates of Single-Walled Carbon Nanohorns (Adv. Mater. 33/2016). *Advanced Materials*, **2016**, 28, 7173-7173	24	
371	Industrial-scale separation of high-purity single-chirality single-wall carbon nanotubes for biological imaging. *Nature Communications*, **2016**, 7, 12056	17.4	141
370	Requirement for the Formation of Crosslinked Polymers on Single-walled Carbon Nanotubes Using Vinyl Monomers. *Chemistry Letters*, **2016**, 45, 274-276	1.7	6
369	Individualized p-Doped Carbon Nanohorns. *Angewandte Chemie*, **2016**, 128, 10624-10628	3.6	2
368	Individualized p-Doped Carbon Nanohorns. *Angewandte Chemie - International Edition*, **2016**, 55, 10468-72	12.4	12
367	Growth and Deposition of Au Nanoclusters on Polymer-wrapped Graphene and Their Oxygen Reduction Activity. *Scientific Reports*, **2016**, 6, 21314	4.9	31
366	Preparation and Characterization of Newly Discovered Fibrous Aggregates of Single-Walled Carbon Nanohorns. *Advanced Materials*, **2016**, 28, 7174-7	24	16
365	Magnetically and Near-Infrared Light-Powered Supramolecular Nanotransporters for the Remote Control of Enzymatic Reactions. *Angewandte Chemie - International Edition*, **2016**, 55, 6476-81	16.4	24
364	Carbon Nanohorns and Their High Potential in Biological Applications. *Carbon Nanostructures*, **2016**, 77-107	0.6	3
363	Ultrafast electron transfer in all-carbon-based SWCNT-C60 donor-acceptor nanoensembles connected by poly(phenylene-ethynylene) spacers. *Nanoscale*, **2016**, 8, 14716-24	7.7	15
362	Carbon nanohorns allow acceleration of osteoblast differentiation via macrophage activation. *Nanoscale*, **2016**, 8, 14514-22	7.7	18
361	Physicochemically functionalized carbon nanohorns for multi-dimensional cancer elimination. *Carbon*, **2016**, 97, 45-53	10.4	15
360	Interfacial engineering of epoxy/carbon nanotubes using reactive glue for effective reinforcement of the composite. *Polymer Journal*, **2016**, 48, 183-188	2.7	4

359	Photo-swing extraction system for the separation of lanthanide using a pyrene group-containing thermosensitive polymer combined with carbon nanotubes. *Separation Science and Technology*, **2016**, 51, 2492-2500	2.5	4
358	Quantitative analyses of PEGylated phospholipids adsorbed on single walled carbon nanohorns by high resolution magic angle spinning 1H NMR. *Carbon*, **2016**, 101, 213-217	10.4	10
357	Synthesis, characterization and photoinduced charge separation of carbon nanohorn-oligothienylenevinylene hybrids. *Physical Chemistry Chemical Physics*, **2016**, 18, 1828-37	3.6	7
356	Preparation of small-sized graphene oxide sheets and their biological applications. *Journal of Materials Chemistry B*, **2016**, 4, 121-127	7.3	20
355	On the Degradation of PtNi nanocatalysts for PEM Fuel Cells: An Identical Location Aberration-corrected STEM Study. *Microscopy and Microanalysis*, **2016**, 22, 1358-1359	0.5	1
354	Radiolabeling, whole-body single photon emission computed tomography/computed tomography imaging, and pharmacokinetics of carbon nanohorns in mice. *International Journal of Nanomedicine*, **2016**, 11, 3317-30	7.3	8
353	Sorption Kinetics on Open Carbon Nanohorn Aggregates: The Effect of Molecular Diameter. *Molecules*, **2016**, 21, 521	4.8	7
352	Magnetically and Near-Infrared Light-Powered Supramolecular Nanotransporters for the Remote Control of Enzymatic Reactions. *Angewandte Chemie*, **2016**, 128, 6586-6591	3.6	6
351	Ethane adsorption on aggregates of dahlia-like nanohorns: experiments and computer simulations. *Physical Chemistry Chemical Physics*, **2016**, 18, 15436-46	3.6	3
350	[3 + 2] cycloaddition reaction of azomethine ylides generated by thermal ring opening of aziridines onto carbon nanohorns. *RSC Advances*, **2016**, 6, 44782-44787	3.7	9
349	Evaluation of carbon nanopores using large molecular probes in grand canonical Monte Carlo simulations and experiments. *Carbon*, **2015**, 88, 133-138	10.4	10
348	Facile Enhancement in CO-Tolerance of a Polymer-Coated Pt Electrocatalyst Supported on Carbon Black: Comparison between Vulcan and Ketjenblack. *ACS Applied Materials & Interfaces*, **2015**, 7, 15885-91	9.5	41
347	A phosphoric acid-doped electrocatalyst supported on poly(para-pyridine benzimidazole)-wrapped carbon nanotubes shows a high durability and performance. *Journal of Materials Chemistry A*, **2015**, 3, 14318-14324	13	28
346	Characterizing the biocompatibility and tumor-imaging capability of Cu$_{2-x}$S nanocrystals in vivo. *Nanoscale*, **2015**, 7, 13061-74	7.7	9
345	Covalent decoration onto the outer walls of double walled carbon nanotubes with perylenediimides. *Journal of Materials Chemistry C*, **2015**, 3, 4960-4969	7.1	15
344	Development of n-type cobaltocene-encapsulated carbon nanotubes with remarkable thermoelectric property. *Scientific Reports*, **2015**, 5, 7951	4.9	138
343	Peripheral versus axial substituted phthalocyanine-double-walled carbon nanotube hybrids as light harvesting systems. *Journal of Materials Chemistry C*, **2015**, 3, 10215-10224	7.1	15
342	Size reduction of 3D-polymer-coated single-walled carbon nanotubes by ultracentrifugation. *Nanoscale*, **2015**, 7, 19534-9	7.7	7

341	Not nanocarbon but dispersant induced abnormality in lysosome in macrophages in vivo. *Nanotechnology*, **2015**, 26, 195102	3.4	5
340	Photothermal conversion of carbon nanohorns enhancing caprolactone polymerization. *Carbon*, **2015**, 83, 15-20	10.4	9
339	Multifunctional carbon nanohorn complexes for cancer treatment. *Chemistry - an Asian Journal*, **2015**, 10, 160-5	4.5	21
338	Measurements of the transport gap in semiconducting multiwalled carbon nanotubes with varying diameter and length. *Physical Review B*, **2015**, 91,	3.3	7
337	Fabrication of Highly Transparent, Thermally Stable, and Scalable Conductive Films from Double-Walled Carbon Nanotubes. *Bulletin of the Chemical Society of Japan*, **2015**, 88, 217-221	5.1	7
336	A highly durable fuel cell electrocatalyst based on double-polymer-coated carbon nanotubes. *Scientific Reports*, **2015**, 5, 16711	4.9	30
335	Identical Location Aberration Corrected TEM Study on the Degradation Mechanism of Platinum Nanoparticles on Carbon Nanotubes in High Temperature Fuel Cells. *Microscopy and Microanalysis*, **2015**, 21, E2-E3	0.5	0
334	Preparation and functionalization of boron nitride containing carbon nanohorns for boron neutron capture therapy. *Carbon*, **2015**, 93, 595-603	10.4	6
333	Biodegradation of carbon nanohorns in macrophage cells. *Nanoscale*, **2015**, 7, 2834-40	7.7	38
332	Elucidating the effect of heating induced structural change on electrical and thermal property improvement of single wall carbon nanotube. *Carbon*, **2015**, 87, 239-245	10.4	14
331	Effect of the Size and Position of Ion-Accessible Nanoholes on the Specific Capacitance of Single-Walled Carbon Nanohorns for Supercapacitor Applications. *Journal of Physical Chemistry C*, **2015**, 119, 2935-2940	3.8	26
330	Enhancement of platinum mass activity on the surface of polymer-wrapped carbon nanotube-based fuel cell electrocatalysts. *Scientific Reports*, **2014**, 4, 6295	4.9	40
329	Photoinduced electron transfer in a carbon nanohorn–C60 conjugate. *Chemical Science*, **2014**, 5, 2072	9.4	21
328	Evidence of selective oxidation in surface layers of graphite-like thin sheets by mild oxidation. *Carbon*, **2014**, 71, 70-75	10.4	
327	Manipulation of cell membrane using carbon nanotube scaffold as a photoresponsive stimuli generator. *Science and Technology of Advanced Materials*, **2014**, 15, 045002	7.1	2
326	Polymer synthesis inside a nanospace of a surfactant–micelle on carbon nanotubes: creation of highly-stable individual nanotubes/ultrathin cross-linked polymer hybrids. *RSC Advances*, **2014**, 4, 6318	3.7	14
325	Photofunctional nanomodulators for bioexcitation. *Angewandte Chemie - International Edition*, **2014**, 53, 13121-5	16.4	57
324	Homogeneous decoration of zeolitic imidazolate framework-8 (ZIF-8) with core–shell structures on carbon nanotubes. *RSC Advances*, **2014**, 4, 49614-49619	3.7	36

323	Lysosomal membrane permeabilization: carbon nanohorn-induced reactive oxygen species generation and toxicity by this neglected mechanism. *Toxicology and Applied Pharmacology*, **2014**, 280, 117-26	4.6	40
322	A highly durable fuel cell electrocatalyst based on polybenzimidazole-coated stacked graphene. *Journal of Materials Chemistry A*, **2014**, 2, 3888	13	40
321	Carbon nanohorns as a scaffold for the construction of disposable electrochemical immunosensing platforms. Application to the determination of fibrinogen in human plasma and urine. *Analytical Chemistry*, **2014**, 86, 7749-56	7.8	42
320	Structure and electronic states of single-wall carbon nanohorns prepared under nitrogen atmosphere. *Carbon*, **2014**, 75, 322-326	10.4	18
319	Gastrointestinal actions of orally-administered single-walled carbon nanohorns. *Carbon*, **2014**, 69, 409-416	10.4	12
318	Effect of functional group polarity on the encapsulation of C60 derivatives in the inner space of carbon nanohorns. *Carbon*, **2014**, 68, 346-351	10.4	3
317	Layer-by-layer Assembly of Trivalent Metal Cation and Anionic Polymer in Nanoporous Anodic Aluminum Oxide with 35 nm Pore. *Chemistry Letters*, **2014**, 43, 1478-1480	1.7	1
316	Photofunctional Nanomodulators for Bioexcitation. *Angewandte Chemie*, **2014**, 126, 13337-13341	3.6	10
315	Ultrastructural localization of intravenously injected carbon nanohorns in tumor. *International Journal of Nanomedicine*, **2014**, 9, 3499-508	7.3	4
314	Thermal-Swing Adsorption of Europium(III) with Poly(N-isopropylacrylamide) Combined with an Acidic Extractant. *Solvent Extraction Research and Development*, **2014**, 21, 37-45	0.7	3
313	Fabrication of flexible transparent conductive films from long double-walled carbon nanotubes. *Science and Technology of Advanced Materials*, **2014**, 15, 025005	7.1	21
312	Characterization of Inorganic Nanomaterials as Therapeutic Vehicles **2014**, 73-98		
311	Quantification of whole body and excreted carbon nanohorns intravenously injected into mice. *Advanced Healthcare Materials*, **2014**, 3, 239-44	10.1	15
310	Grooves of Bundled Single-Walled Carbon Nanotubes Dramatically Enhance the Activity of the Oxygen Reduction Reaction. *ChemCatChem*, **2014**, 6, 3169-3173	5.2	8
309	Durability analysis of polymer-coated pristine carbon nanotube-based fuel cell electrocatalysts under non-humidified conditions. *Journal of Materials Chemistry A*, **2014**, 2, 19053-19059	13	36
308	Palladium-Based Anion-Exchange Membrane Fuel Cell Using KOH-Doped Polybenzimidazole as the Electrolyte. *ChemPlusChem*, **2014**, 79, 400-405	2.8	17
307	Benzyne cycloaddition onto carbon nanohorns. *Nanoscale*, **2013**, 5, 6388-94	7.7	17
306	Immunoassay with single-walled carbon nanotubes as near-infrared fluorescent labels. *ACS Applied Materials & Interfaces*, **2013**, 5, 7665-70	9.5	27

305	Self-assembled carbon nanotube honeycomb networks using a butterfly wing template as a multifunctional nanobiohybrid. *ACS Nano*, **2013**, 7, 8736-42	16.7	35
304	Size-dependent biodistribution of carbon nanohorns in vivo. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2013**, 9, 657-64	6	43
303	A high poly(ethylene glycol) density on graphene nanomaterials reduces the detachment of lipid-poly(ethylene glycol) and macrophage uptake. *Acta Biomaterialia*, **2013**, 9, 4744-53	10.8	26
302	Carboxylation of thin graphitic sheets is faster than that of carbon nanohorns. *Physical Chemistry Chemical Physics*, **2013**, 15, 16672-5	3.6	6
301	Graphite-like thin sheets with even-numbered layers. *Carbon*, **2013**, 61, 644-647	10.4	10
300	Fuel cell electrocatalyst using polybenzimidazole-modified carbon nanotubes as support materials. *Advanced Materials*, **2013**, 25, 1666-81	24	138
299	Interfacial Engineering of Platinum Catalysts for Fuel Cells: Methanol Oxidation is Dramatically Improved by Polymer Coating on a Platinum Catalyst. *ChemCatChem*, **2013**, 5, 1701-1704	5.2	22
298	Effective anchoring of Pt-nanoparticles onto sulfonated polyelectrolyte-wrapped carbon nanotubes for use as a fuel cell electrocatalyst. *Polymer Journal*, **2013**, 45, 326-330	2.7	12
297	Remarkably Durable High Temperature Polymer Electrolyte Fuel Cell Based on Poly(vinylphosphonic acid)-doped Polybenzimidazole. *Scientific Reports*, **2013**, 3,	4.9	90
296	Mechanical Reinforcement of Polybenzoxazole by Carbon Nanotubes through Noncovalent Functionalization. *Macromolecules*, **2013**, 46, 4034-4040	5.5	41
295	Neon and CO2 adsorption on open carbon nanohorns. *Langmuir*, **2013**, 29, 9388-97	4	26
294	Structural modeling of dahlia-type single-walled carbon nanohorn aggregates by molecular dynamics. *Journal of Physical Chemistry A*, **2013**, 117, 9057-61	2.8	16
293	Thermal-Treatment-Induced Enhancement in Effective Surface Area of Single-Walled Carbon Nanohorns for Supercapacitor Application. *Journal of Physical Chemistry C*, **2013**, 117, 25877-25883	3.8	30
292	Mechanism of Cell Interactions with Water-Dispersed Carbon Nanohorns. *Nanoscience and Nanotechnology Letters*, **2013**, 5, 402-407	0.8	5
291	Long-term biopersistence of tangled oxidized carbon nanotubes inside and outside macrophages in rat subcutaneous tissue. *Scientific Reports*, **2013**, 3, 2516	4.9	38
290	Spontaneous Temperature Control Using Reversible Spectroscopic Responses of PNIPAM-coated Gold Nanorods. *Chemistry Letters*, **2013**, 42, 1247-1249	1.7	3
289	Potential application of nanocarbons as a drug delivery system. *Tanso*, **2013**, 2013, 306-312	0.1	
288	Lysosomal membrane destabilization induced by high accumulation of single-walled carbon nanohorns in murine macrophage RAW264.7. *Biomaterials*, **2012**, 33, 2762-9	15.6	63

287	Theoretical Insight into the Second-Order NLO Response of the Bis{4-[2-(4-pyridyl)ethenyl]benzoato}-zinc(II) Metal□Organic Framework. *Journal of Physical Chemistry C*, **2012**, 116, 21973-21981	3.8	21
286	Photothermic regulation of gene expression triggered by laser-induced carbon nanohorns. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 7523-8	11.5	77
285	CO2 Adsorption on Dahlia-Like Carbon Nanohorns: Isosteric Heat and Surface Area Measurements. *Journal of Physical Chemistry C*, **2012**, 116, 306-310	3.8	28
284	Cooperative Adsorption of Supercritical CH4 in Single-Walled Carbon Nanohorns for Compensation of Nanopore Potential. *Journal of Physical Chemistry C*, **2012**, 116, 21870-21873	3.8	7
283	Abundant Oxygenated Groups at Hole Edges of Carbon Nanotubules Increase the Quantity of Materials Confined by Thermal Hole Closing. *Journal of Physical Chemistry C*, **2012**, 116, 12886-12889	3.8	1
282	Design and preparation of porous polybenzoxazole films using the tert-butoxycarbonyl group as a pore generator and their application for patternable low-k materials. *Polymer Chemistry*, **2012**, 3, 369-376	4.9	37
281	Small-sized carbon nanohorns enabling cellular uptake control. *Small*, **2012**, 8, 2524-31	11	38
280	Buffer gas optimization in CO2 laser ablation for structure control of single-wall carbon nanohorn aggregates. *Carbon*, **2012**, 50, 1925-1933	10.4	24
279	Soluble carbon nanotubes and nanotube-polymer composites. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 1717-38	1.3	25
278	Single-walled carbon nanohorns as drug carriers: adsorption of prednisolone and anti-inflammatory effects on arthritis. *Nanotechnology*, **2011**, 22, 465102	3.4	36
277	Isolated single-walled carbon nanotubes in a gel as a molecular reservoir and its application to controlled drug release triggered by near-IR laser irradiation. *Soft Matter*, **2011**, 7, 2647	3.6	18
276	Carbon nanohorns accelerate bone regeneration in rat calvarial bone defect. *Nanotechnology*, **2011**, 22, 065102	3.4	22
275	Bottom-up design of carbon nanotube-based electrocatalysts and their application in high temperature operating polymer electrolyte fuel cells. *Journal of Materials Chemistry*, **2011**, 21, 1187-1190		54
274	Design and synthesis of nitrogen-containing calcined polymer/carbon nanotube hybrids that act as a platinum-free oxygen reduction fuel cell catalyst. *Chemical Communications*, **2011**, 47, 6843-5	5.8	37
273	A soluble hybrid material combining carbon nanohorns and C60. *Chemical Communications*, **2011**, 47, 12771-3	5.8	23
272	High-power supercapacitor electrodes from single-walled carbon nanohorn/nanotube composite. *ACS Nano*, **2011**, 5, 811-9	16.7	231
271	Histological assessments for toxicity and functionalization-dependent biodistribution of carbon nanohorns. *Nanotechnology*, **2011**, 22, 265106	3.4	46
270	CNT/Polymer Composite Materials **2011**, 361-380		

269	Enhanced cell uptake via non-covalent decollation of a single-walled carbon nanotube-DNA hybrid with polyethylene glycol-grafted poly(l-lysine) labeled with an Alexa-dye and its efficient uptake in a cancer cell. *Nanoscale*, **2011**, 3, 4352-8	7.7	17
268	A pulsed neutron diffraction study of the topological defects presence in carbon nanohorns. *Chemical Physics Letters*, **2011**, 502, 87-91	2.5	18
267	Very High Performance Alkali Anion-Exchange Membrane Fuel Cells. *Advanced Functional Materials*, **2011**, 21, 1089-1094	15.6	104
266	A Photo-Thermal-Electrical Converter Based On Carbon Nanotubes for Bioelectronic Applications. *Angewandte Chemie*, **2011**, 123, 12474-12478	3.6	11
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