Morinobu Endo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

666 papers	31,372 citations	86 h-index	154 g-index
688 ext. papers	33,749 ext. citations	6.1 avg, IF	6.82 L-index

#	Paper	IF	Citations
666	Data Science Applied to Carbon Materials: Synthesis, Characterization, and Applications (Adv. Theory Simul. 2/2022). *Advanced Theory and Simulations*, **2022**, 5, 2270004	3.5	
665	Antifouling performance of spiral wound type module made of carbon nanotubes/polyamide composite RO membrane for seawater desalination. *Desalination*, **2022**, 523, 115445	10.3	4
664	Preparation of polysulfone support for higher-performance reverse osmosis membranes. *Journal of Environmental Chemical Engineering*, **2022**, 107860	6.8	
663	Thermodynamics of Linear Carbon Chains. *Physical Review Letters*, **2021**, 126, 125901	7.4	2
662	Nitrogen and Sulfur Incorporation into Graphene Oxide by Mechanical Process. *Advanced Engineering Materials*, **2021**, 23, 2001444	3.5	0
661	Nanocarbons **2021**, 885-944		
660	A finger-jointing model for describing ultrastructures of cellulose microfibrils. *Scientific Reports*, **2021**, 11, 10055	4.9	1
659	Nanocellulose/polyethylene nanocomposite sheets prepared from an oven-dried nanocellulose by elastic kneading. *Composites Science and Technology*, **2021**, 207, 108734	8.6	9
658	Cellulose nanofiber-reinforced rubber composites prepared by TEMPO-functionalization and elastic kneading. *Composites Science and Technology*, **2021**, 210, 108815	8.6	7
657	Microwave plasma-induced growth of vertical graphene from fullerene soot. *Carbon*, **2021**, 172, 26-30	10.4	3
656	Aerogels from copper (II)-cellulose nanofibers and carbon nanotubes as absorbents for the elimination of toxic gases from air. *Journal of Colloid and Interface Science*, **2021**, 582, 950-960	9.3	14
655	Graphene Oxide Membranes for Water Filtration. *Membrane*, **2021**, 46, 184-186	0	
654	Graphene oxide membranes for lactose-free milk. *Carbon*, **2021**, 181, 118-129	10.4	5
653	Hybrid materials based on pyrrhotite, troilite, and few-layered graphitic nanostructures: Synthesis, characterization, and cyclic voltammetry studies. *Applied Surface Science*, **2021**, 563, 150327	6.7	0
652	Detection of dynamic biofouling from adenosine triphosphate measurements in water concentrated from reverse osmosis desalination of seawater. *Desalination*, **2021**, 518, 115286	10.3	1
651	Preparation of high-performance carbon nanotube/polyamide composite materials by elastic high-shear kneading and improvement of properties by induction heating treatment. *Journal of Applied Polymer Science*, **2021**, 138, 50512	2.9	1
650	Preparation of activated carbon via acidic dehydration of durian husk for supercapacitor applications. *Diamond and Related Materials*, **2020**, 107, 107906	3.5	22

649	Nanocomposite desalination membranes made of aromatic polyamide with cellulose nanofibers: synthesis, performance, and water diffusion study. *Nanoscale*, **2020**, 12, 19628-19637	7.7	11
648	Cellulose nanofiber/elastomer composites with high tensile strength, modulus, toughness, and thermal stability prepared by high-shear kneading. *Composites Science and Technology*, **2020**, 188, 108005	8.6	30
647	PbS-quantum-dots/double-wall-carbon-nanotubes nanohybrid based photodetectors with extremely fast response and high responsivity. *Materials Today Energy*, **2020**, 16, 100378	7	6
646	Facile synthesis of graphene sheets intercalated by carbon spheres for high-performance supercapacitor electrodes. *Carbon*, **2020**, 167, 11-18	10.4	8
645	Improved supercapacitors by implanting ultra-long single-walled carbon nanotubes into manganese oxide domains. *Journal of Power Sources*, **2020**, 479, 228795	8.9	5
644	Single-atom doping of MoS with manganese enables ultrasensitive detection of dopamine: Experimental and computational approach. *Science Advances*, **2020**, 6, eabc4250	14.3	57
643	Enhanced desalination performance in compacted carbon-based reverse osmosis membranes. *Nanoscale Advances*, **2020**, 2, 3444-3451	5.1	2
642	Enhanced Antifouling Feed Spacer Made from a Carbon Nanotube-Polypropylene Nanocomposite. *ACS Omega*, **2019**, 4, 15496-15503	3.9	9
641	Defect Engineering and Surface Functionalization of Nanocarbons for Metal-Free Catalysis. *Advanced Materials*, **2019**, 31, e1805717	24	88
640	New Insights in the Natural Organic Matter Fouling Mechanism of Polyamide and Nanocomposite Multiwalled Carbon Nanotubes-Polyamide Membranes. *Environmental Science & Technology*, **2019**, 53, 6255-6263	10.3	27
639	Catalytic Nanocarbons: Defect Engineering and Surface Functionalization of Nanocarbons for Metal-Free Catalysis (Adv. Mater. 13/2019). *Advanced Materials*, **2019**, 31, 1970096	24	2
638	Preparation and electrochemical performance of nitrogen-enriched activated carbon derived from silkworm pupae waste.. *RSC Advances*, **2019**, 9, 9878-9886	3.7	14
637	Thicker carbon-nanotube/manganese-oxide hybridized nanostructures as electrodes for the creation of fiber-shaped high-energy-density supercapacitors. *Carbon*, **2019**, 154, 169-177	10.4	20
636	Nitrogen self-doped activated carbons the direct activation of leaves for high energy density supercapacitors.. *RSC Advances*, **2019**, 9, 21724-21732	3.7	11
635	Rapidly self-heating shape memory polyurethane nanocomposite with boron-doped single-walled carbon nanotubes using near-infrared laser. *Composites Part B: Engineering*, **2019**, 175, 107065	10	15
634	Graphite Whiskers Derived from Waste Coffee Grounds Treated at High Temperature. *Global Challenges*, **2019**, 3, 1800107	4.3	4
633	Single-wall carbon nanotube modified with copper-oxamate flat complex probed by synchrotron x-ray photoelectron and x-ray absorption spectroscopies. *Journal of Molecular Structure*, **2019**, 1176, 711-717	3.4	1
632	Facile 1D graphene fiber synthesis from an agricultural by-product: A silicon-mediated graphenization route. *Carbon*, **2019**, 142, 78-88	10.4	7

631	From high pressure radial collapse to graphene ribbon formation in triple-wall carbon nanotubes. *Carbon*, **2019**, 141, 568-579	10.4	18
630	Water Diffusion Mechanism in Carbon Nanotube and Polyamide Nanocomposite Reverse Osmosis Membranes: A Possible Percolation-Hopping Mechanism. *Physical Review Applied*, **2018**, 9,	4.3	16
629	Effects of pressure on the structural and electronic properties of linear carbon chains encapsulated in double wall carbon nanotubes. *Carbon*, **2018**, 133, 446-456	10.4	29
628	High porous bio-nanocarbons prepared by carbonization and NaOH activation of polysaccharides for electrode material of EDLC. *Journal of Physics and Chemistry of Solids*, **2018**, 118, 137-143	3.9	13
627	Carbon nanotubes and manganese oxide hybrid nanostructures as high performance fiber supercapacitors. *Communications Chemistry*, **2018**, 1,	6.3	22
626	Nanostructured carbon materials for enhanced nitrobenzene adsorption: Physical vs. chemical surface properties. *Carbon*, **2018**, 139, 833-844	10.4	31
625	H2O2/UV layer-by-layer oxidation of multiwall carbon nanotubes: The □nion effect□and the control of the degree of surface crystallinity and diameter. *Carbon*, **2018**, 139, 1027-1034	10.4	5
624	Effective Antiscaling Performance of Reverse-Osmosis Membranes Made of Carbon Nanotubes and Polyamide Nanocomposites. *ACS Omega*, **2018**, 3, 6047-6055	3.9	21
623	Effect of boron doping on the electrical conductivity of metallicity-separated single walled carbon nanotubes. *Nanoscale*, **2018**, 10, 12723-12733	7.7	19
622	Salt rejection behavior of carbon nanotube-polyamide nanocomposite reverse osmosis membranes in several salt solutions. *Desalination*, **2018**, 443, 165-171	10.3	23
621	Vertical Graphene for Biosensors **2018**, 37-56		1
620	Nitrogen-doped porous carbon monoliths from polyacrylonitrile (PAN) and carbon nanotubes as electrodes for supercapacitors. *Scientific Reports*, **2017**, 7, 40259	4.9	51
619	Highly microporous-graphene aerogel monolith of unidirectional honeycomb macro-textures. *Chemical Physics Letters*, **2017**, 673, 38-43	2.5	9
618	Preparation of novel tetrahedral Ag3PO4 crystals and the sunlight-responsive photocatalytic properties using graphene oxide as the template. *Carbon*, **2017**, 119, 522-526	10.4	7
617	Low-temperature Synthesis of Heterostructures of Transition Metal Dichalcogenide Alloys (WMoS) and Graphene with Superior Catalytic Performance for Hydrogen Evolution. *ACS Nano*, **2017**, 11, 5103-5112	16.7	116
616	Pressure Tuning of Bromine Ionic States in Double-Walled Carbon Nanotubes. *Journal of Physical Chemistry C*, **2017**, 121, 10609-10619	3.8	6
615	High-modulus and strength carbon nanotube fibers using molecular cross-linking. *Carbon*, **2017**, 118, 413-421	10.4	57
614	Two-dimensional and three-dimensional hybrid assemblies based on graphene oxide and other layered structures: A carbon science perspective. *Carbon*, **2017**, 125, 437-453	10.4	20

613	Effective NaCl and dye rejection of hybrid graphene oxide/graphene layered membranes. *Nature Nanotechnology*, **2017**, 12, 1083-1088	28.7	227
612	Antiorganic Fouling and Low-Protein Adhesion on Reverse-Osmosis Membranes Made of Carbon Nanotubes and Polyamide Nanocomposite. *ACS Applied Materials & Interfaces*, **2017**, 9, 32192-32201	9.5	32
611	Nitrogen-rich green leaves of papaya and Coccinia grandis as precursors of activated carbon and their electrochemical properties. *RSC Advances*, **2017**, 7, 42064-42072	3.7	9
610	Oil removing properties of exfoliated graphite in actual produced water treatment. *Journal of Water Process Engineering*, **2017**, 20, 226-231	6.7	17
609	Structural evolution of hydrothermal carbon spheres induced by high temperatures and their electrical properties under compression. *Carbon*, **2017**, 121, 426-433	10.4	19
608	Elucidating the local interfacial structure of highly photoresponsive carbon nanotubes/PbS-QDs based nanohybrids grown by pulsed laser deposition. *Carbon*, **2016**, 96, 145-152	10.4	11
607	Correlation in structure and properties of highly-porous graphene monoliths studied with a thermal treatment method. *Carbon*, **2016**, 96, 174-183	10.4	31
606	Multiple exciton generation induced enhancement of the photoresponse of pulsed-laser-ablation synthesized single-wall-carbon-nanotube/PbS-quantum-dots nanohybrids. *Scientific Reports*, **2016**, 6, 20083	4.9	19
605	Cellulose nanofiber backboned Prussian blue nanoparticles as powerful adsorbents for the selective elimination of radioactive cesium. *Scientific Reports*, **2016**, 6, 37009	4.9	77
604	Ultrasensitive molecular sensor using N-doped graphene through enhanced Raman scattering. *Science Advances*, **2016**, 2, e1600322	14.3	125
603	Graphene oxide films, fibers, and membranes. *Nanotechnology Reviews*, **2016**, 5,	6.3	30
602	Three dimensional porous monoliths from multi-walled carbon nanotubes and polyacrylonitrile. *Carbon*, **2016**, 101, 377-381	10.4	12
601	Development of high-performance resin nanocomposites by resin cellulation using multi-walled carbon nanotubes. *Composites Part B: Engineering*, **2016**, 91, 422-430	10	3
600	High electrical conductivity of double-walled carbon nanotube fibers by hydrogen peroxide treatments. *Journal of Materials Chemistry A*, **2016**, 4, 74-82	13	32
599	Morphology-controlled fabrication of a three-dimensional mesoporous poly(vinyl alcohol) monolith through the incorporation of graphene oxide. *Carbon*, **2016**, 98, 334-342	10.4	14
598	Flexible Transparent Conducting Films Composed of Photochemically Oxidized Thin Multi-Walled Carbon Nanotubes. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 11980-11985	1.3	0
597	Temperature Dependence of Sensors Based on Silver-Decorated Nitrogen-Doped Multiwalled Carbon Nanotubes. *Journal of Sensors*, **2016**, 2016, 1-10	2	6
596	A Review of Double-Walled and Triple-Walled Carbon Nanotube Synthesis and Applications. *Applied Sciences (Switzerland)*, **2016**, 6, 109	2.6	32

595	Silicon/soft-carbon nanohybrid material with low expansion for high capacity and long cycle life lithium-ion battery. *Journal of Power Sources*, **2016**, 326, 235-241	8.9	23
594	Linear carbon chains inside multi-walled carbon nanotubes: Growth mechanism, thermal stability and electrical properties. *Carbon*, **2016**, 107, 217-224	10.4	28
593	High Performance and Chlorine Resistant Carbon Nanotube/Aromatic Polyamide Reverse Osmosis Nanocomposite Membrane. *MRS Advances*, **2016**, 1, 1469-1476	0.7	10
592	Strengthened PAN-based carbon fibers obtained by slow heating rate carbonization. *Scientific Reports*, **2016**, 6, 22988	4.9	30
591	Distorted Graphene Sheet Structure-Derived Latent Nanoporosity. *Langmuir*, **2016**, 32, 5617-22	4	13
590	Nanostructured carbon-based membranes: nitrogen doping effects on reverse osmosis performance. *NPG Asia Materials*, **2016**, 8, e258-e258	10.3	12
589	Fullerene and nanotube growth: new insights using first principles and molecular dynamics. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2016**, 374,	3	5
588	Graphene nanoribbons inducing cube-shaped Ag nanoparticle assemblies. *Carbon*, **2015**, 93, 800-811	10.4	15
587	Carbonaceous Anode Materials. *Green Energy and Technology*, **2015**, 135-156	0.6	
586	Efficient and highly selective boron-doped carbon materials-catalyzed reduction of nitroarenes. *Chemical Communications*, **2015**, 51, 13086-9	5.8	71
585	Nanocarbons from rice husk by microwave plasma irradiation: From graphene and carbon nanotubes to graphenated carbon nanotube hybrids. *Carbon*, **2015**, 94, 479-484	10.4	59
584	Stable and solid pellets of functionalized multi-walled carbon nanotubes produced under high pressure and temperature. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	3
583	Microwave plasma-induced graphene-sheet fibers from waste coffee grounds. *Journal of Materials Chemistry A*, **2015**, 3, 14545-14549	13	16
582	High-temperature-induced growth of graphite whiskers from fullerene waste soot. *Carbon*, **2015**, 90, 154-159	10.4	10
581	Effects of nitrogen-doped multi-walled carbon nanotubes compared to pristine multi-walled carbon nanotubes on human small airway epithelial cells. *Toxicology*, **2015**, 333, 25-36	4.4	25
580	Low interfacial contact resistance of Al-graphene composites via interface engineering. *Nanotechnology*, **2015**, 26, 215603	3.4	6
579	Linear Carbon Chains under High-Pressure Conditions. *Journal of Physical Chemistry C*, **2015**, 119, 10669-10676	4.8	37
578	Linear carbon chains encapsulated in multiwall carbon nanotubes: Resonance Raman spectroscopy and transmission electron microscopy studies. *Carbon*, **2015**, 90, 172-180	10.4	46

577	Ultrasensitive gas detection of large-area boron-doped graphene. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 14527-32	11.5	146
576	Molecular Dynamics Study of Carbon Nanotubes/Polyamide Reverse Osmosis Membranes: Polymerization, Structure, and Hydration. *ACS Applied Materials & Interfaces*, **2015**, 7, 24566-75	9.5	47
575	Oil sorption by exfoliated graphite from dilute oil□water emulsion for practical applications in produced water treatments. *Journal of Water Process Engineering*, **2015**, 8, 91-98	6.7	20
574	Properties and Interfacial Structure Analysis of MWCNT/ESBS Composites. *Industrial & Engineering Chemistry Research*, **2015**, 54, 8690-8698	3.9	3
573	Boron-doped onion-like carbon with enriched substitutional boron: the relationship between electronic properties and catalytic performance. *Journal of Materials Chemistry A*, **2015**, 3, 21805-21814	13	64
572	Efficient Metal-Free Catalytic Reaction Pathway for Selective Oxidation of Substituted Phenols. *ACS Catalysis*, **2015**, 5, 5921-5926	13.1	27
571	Ag/CNT nanocomposites and their single- and double-layer electromagnetic wave absorption properties. *Synthetic Metals*, **2015**, 209, 383-388	3.6	30
570	Radical scavenging reaction kinetics with multiwalled carbon nanotubes. *Carbon*, **2015**, 83, 232-239	10.4	16
569	Pressureless sintering of SiC-coated carbon nanofiber/SiC composites and their properties. *Journal of the Ceramic Society of Japan*, **2015**, 123, 570-575	1	
568	High-performance multi-functional reverse osmosis membranes obtained by carbon nanotube□polyamide nanocomposite. *Scientific Reports*, **2015**, 5, 13562	4.9	81
567	3D Nanocomposites of Covalently Interconnected Multiwalled Carbon Nanotubes with SiC with Enhanced Thermal and Electrical Properties. *Advanced Functional Materials*, **2015**, 25, 4985-4993	15.6	14
566	Covalent Networks: 3D Nanocomposites of Covalently Interconnected Multiwalled Carbon Nanotubes with SiC with Enhanced Thermal and Electrical Properties (Adv. Funct. Mater. 31/2015). *Advanced Functional Materials*, **2015**, 25, 4922-4922	15.6	2
565	Differential Response of Doped/Defective Graphene and Dopamine to Electric Fields: A Density Functional Theory Study. *Journal of Physical Chemistry C*, **2015**, 119, 13972-13978	3.8	32
564	Aqueous nanosilica dispersants for carbon nanotube. *Langmuir*, **2015**, 31, 3194-202	4	17
563	Differentiation of chemical reaction activity of various carbon nanotubes using redox potential: Classification by physical and chemical structures. *Carbon*, **2015**, 95, 302-308	10.4	8
562	Rice husk-derived graphene with nano-sized domains and clean edges. *Small*, **2014**, 10, 2766-70, 2740	11	130
561	Safe clinical use of carbon nanotubes as innovative biomaterials. *Chemical Reviews*, **2014**, 114, 6040-79	68.1	167
560	Enhanced CO2 adsorptivity of SWCNT by polycyclic aromatic hydrocarbon intercalation. *Adsorption*, **2014**, 20, 301-309	2.6	4

559	Importance of open, heteroatom-decorated edges in chemically doped-graphene for supercapacitor applications. *Journal of Materials Chemistry A*, **2014**, 2, 9532-9540	13	80
558	Porous Materials: Controlling the Optical, Electrical and Chemical Properties of Carbon Inverse Opal by Nitrogen Doping (Adv. Funct. Mater. 18/2014). *Advanced Functional Materials*, **2014**, 24, 2611-2611	15.6	1
557	Structure changes of MPECVD-grown carbon nanosheets under high-temperature treatment. *Carbon*, **2014**, 68, 360-368	10.4	13
556	Pressureless Sintering of Carbon Nanofibre/SiC Composites and Their Properties. *International Journal of Applied Ceramic Technology*, **2014**, 11, 280-288	2	4
555	Molybdenum-encapsulation modified the optical property of single walled carbon nanotubes. *RSC Advances*, **2014**, 4, 54747-54751	3.7	
554	Defect-Assisted Heavily and Substitutionally Boron-Doped Thin Multiwalled Carbon Nanotubes Using High-Temperature Thermal Diffusion. *Journal of Physical Chemistry C*, **2014**, 118, 4454-4459	3.8	17
553	Super-stretchable graphene oxide macroscopic fibers with outstanding knotability fabricated by dry film scrolling. *ACS Nano*, **2014**, 8, 5959-67	16.7	150
552	Pressure-Induced Selectivity for Probing Inner Tubes in Double- and Triple-Walled Carbon Nanotubes: A Resonance Raman Study. *Journal of Physical Chemistry C*, **2014**, 118, 8153-8158	3.8	26
551	CO2 adsorption on crystalline graphitic nanostructures. *Journal of CO2 Utilization*, **2014**, 5, 60-65	7.6	14
550	Activation routes for high surface area graphene monoliths from graphene oxide colloids. *Carbon*, **2014**, 76, 220-231	10.4	72
549	Synthesis of carbon nanosheets from Kapton polyimide by microwave plasma treatment. *Carbon*, **2014**, 72, 421-424	10.4	16
548	A selective way to create defects by the thermal treatment of fluorinated double walled carbon nanotubes. *Chinese Journal of Catalysis*, **2014**, 35, 864-868	11.3	7
547	Hydrogen-assisted pulsed KrF-laser irradiation for the in situ photoreduction of graphene oxide films. *Carbon*, **2014**, 77, 857-867	10.4	19
546	Surface modification of carbon nanofibers with SiC by heating different SiO vapor sources in argon atmosphere. *Journal of the Ceramic Society of Japan*, **2014**, 122, 822-828	1	5
545	Influence of CNF content on microstructure and fracture toughness of CNF/alumina composites. *Journal of the Ceramic Society of Japan*, **2014**, 122, 292-299	1	6
544	Fabrication and Fracture Toughness of CNTs/Alumina Composites with Fine Microstructures. *Key Engineering Materials*, **2014**, 617, 205-208	0.4	
543	Metal-semiconductor transition like behavior of naphthalene-doped single wall carbon nanotube bundles. *Faraday Discussions*, **2014**, 173, 145-56	3.6	4
542	Electrochemical role of oxygen containing functional groups on activated carbon electrode. *RSC Advances*, **2014**, 4, 62678-62683	3.7	14

541	Controlling the Optical, Electrical and Chemical Properties of Carbon Inverse Opal by Nitrogen Doping. *Advanced Functional Materials*, **2014**, 24, 2612-2619	15.6	20
540	Quantitative characterization of acidic groups on acid-treated multi-walled carbon nanotubes using 1-aminopyrene as a fluorescent probe. *Carbon*, **2014**, 66, 560-566	10.4	9
539	Promotion of lung adenocarcinoma following inhalation exposure to multi-walled carbon nanotubes. *Particle and Fibre Toxicology*, **2014**, 11, 3	8.4	182
538	Double-walled carbon nanotubes: synthesis, structural characterization, and application. *Carbon Letters*, **2014**, 15, 77-88	2.3	28
537	Carbon Nanotubes and Other Carbon Materials **2014**, 628-642		
536	Mechanically tough, electrically conductive polyethylene oxide nanofiber web incorporating DNA-wrapped double-walled carbon nanotubes. *ACS Applied Materials & Interfaces*, **2013**, 5, 4150-4	9.5	18
535	Preparation of air-stable and highly conductive potassium-intercalated graphite sheet. *Journal of Physics and Chemistry of Solids*, **2013**, 74, 1482-1486	3.9	8
534	Conducting linear chains of sulphur inside carbon nanotubes. *Nature Communications*, **2013**, 4, 2162	17.4	176
533	An efficient, reusable copper-oxide/carbon-nanotube catalyst for N-arylation of imidazole. *Carbon*, **2013**, 62, 135-148	10.4	74
532	A reversible strain-induced electrical conductivity in cup-stacked carbon nanotubes. *Nanoscale*, **2013**, 5, 10212-8	7.7	10
531	Effect of high-temperature thermal treatment on the structure and adsorption properties of reduced graphene oxide. *Carbon*, **2013**, 52, 608-612	10.4	95
530	Investigation of the pulmonary bioactivity of double-walled carbon nanotubes. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2013**, 76, 922-36	3.2	14
529	Structural analysis of nano structured carbon by transmission electron microscopy and image processing. *Applied Surface Science*, **2013**, 275, 409-412	6.7	11
528	Large area films of alternating graphene-carbon nanotube layers processed in water. *ACS Nano*, **2013**, 7, 10788-98	16.7	73
527	Dry Synthesis of Easily Tunable Nano Ruthenium Supported on Graphene: Novel Nanocatalysts for Aerial Oxidation of Alcohols and Transfer Hydrogenation of Ketones. *Journal of Physical Chemistry C*, **2013**, 117, 23582-23596	3.8	83
526	Boron-assisted coalescence of parallel multi-walled carbon nanotubes. *RSC Advances*, **2013**, 3, 26266	3.7	5
525	Carbon nanotube core graphitic shell hybrid fibers. *ACS Nano*, **2013**, 7, 10971-7	16.7	13
524	Rapid water transportation through narrow one-dimensional channels by restricted hydrogen bonds. *Langmuir*, **2013**, 29, 1077-82	4	34

523	Iron Particle Nanodrilling of Few Layer Graphene at Low Electron Beam Accelerating Voltages. *Particle and Particle Systems Characterization*, **2013**, 30, 76-82	3.1	8
522	Nanodrilling: Iron Particle Nanodrilling of Few Layer Graphene at Low Electron Beam Accelerating Voltages (Part. Part. Syst. Charact. 1/2013). *Particle and Particle Systems Characterization*, **2013**, 30, 75-75	3.1	
521	Investigation on capacitive behaviors of porous Ni electrodes in ionic liquids. *Electrochimica Acta*, **2013**, 105, 455-461	6.7	10
520	Acute pulmonary dose-responses to inhaled multi-walled carbon nanotubes. *Nanotoxicology*, **2013**, 7, 1179-94	5.3	150
519	Investigation on capacitive behaviors of porous Ni electrodes for electric double layer capacitors. *Electrochimica Acta*, **2013**, 90, 408-415	6.7	6
518	Facile and homogeneous decoration of RuO2 nanorods on graphene nanoplatelets for transfer hydrogenation of carbonyl compounds. *Catalysis Science and Technology*, **2013**, 3, 1485	5.5	35
517	Formation of nitrogen-doped graphene nanoribbons via chemical unzipping. *ACS Nano*, **2013**, 7, 2192-204	16.7	61
516	Controlled interlayer spacing of scrolled reduced graphene nanotubes by thermal annealing. *RSC Advances*, **2013**, 3, 4161	3.7	10
515	Important roles of graphene edges in carbon-based energy storage devices. *Journal of Energy Chemistry*, **2013**, 22, 183-194	12	30
514	Formation and properties of selenium double-helices inside double-wall carbon nanotubes: experiment and theory. *ACS Nano*, **2013**, 7, 5607-13	16.7	43
513	Controlled synthesis and transfer of large-area WS2 sheets: from single layer to few layers. *ACS Nano*, **2013**, 7, 5235-42	16.7	453
512	Galvanomagnetic properties of air-stable and highly conductive potassium-intercalated graphite sheet. *Journal of Physics and Chemistry of Solids*, **2013**, 74, 1875-1878	3.9	2
511	Surface modification of electrospun polyvinylidene fluoride nanofiber membrane by plasma treatment for protein detection. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 674-7	1.3	7
510	Intensive synergetic Cs adsorbent incorporated with polymer spongiform for scalable purification without post filtration. *Materials Express*, **2013**, 3, 21-29	1.3	14
509	Development of a High Energy-Density EDLC Using a New Porous Metal Material. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2013**, 77, 51-54	0.4	
508	Carbon Nanotube Rubber Composoites Playing an Active Part in Deep Harsh Environments of the Earth. *Nippon Gomu Kyokaishi*, **2013**, 86, 353-359	0	
507	Carbon Nanofibers **2013**, 233-262		25
506	Preparation and structure analysis of double wall-carbon nanotubes encapsulating gadolinium trichloride nanowires. *Tanso*, **2013**, 2013, 279-283	0.1	

505	Electroless preparation and characterization of NiB nanoparticles supported on multi-walled carbon nanotubes and their catalytic activity towards hydrogenation of styrene. *Materials Research Bulletin*, **2012**, 47, 338-343	5.1	22
504	Fabrication of electrospun PVDF nanofiber membrane for Western blot with high sensitivity. *Journal of Membrane Science*, **2012**, 389, 349-354	9.6	30
503	Microstructure development and fracture toughness of acid-treated carbon nanofibers/alumina composites. *Journal of the Ceramic Society of Japan*, **2012**, 120, 560-568	1	10
502	Diffusion-barrier-free porous carbon monoliths as a new form of activated carbon. *ChemSusChem*, **2012**, 5, 2271-7	8.3	7
501	Influence of adding carbon nanotubes on photoelectric conversion properties of dye-doped titania gel. *Research on Chemical Intermediates*, **2012**, 38, 1857-1869	2.8	1
500	Fabrication and characterization of single-walled carbon nanotube fiber for electronics applications. *Carbon*, **2012**, 50, 5521-5524	10.4	15
499	Multiple intra-tube junctions in the inner tube of peapod-derived double walled carbon nanotubes: theoretical study and experimental evidence. *Nanoscale*, **2012**, 4, 130-6	7.7	16
498	Quantum Molecular Sieving Effects of H2 and D2 on Bundled and Nonbundled Single-Walled Carbon Nanotubes. *Journal of Physical Chemistry C*, **2012**, 116, 20918-20922	3.8	25
497	Dramatic change of water-cluster accessibility of highly pure double-walled carbon nanotubes with high temperature annealing. *Nanoscale*, **2012**, 4, 4960-3	7.7	1
496	Enhanced CO2 Adsorptivity of Partially Charged Single Walled Carbon Nanotubes by Methylene Blue Encapsulation. *Journal of Physical Chemistry C*, **2012**, 116, 11216-11222	3.8	11
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