

Jun Li

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4162483/jun-li-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

179
papers

8,186
citations

46
h-index

87
g-index

194
ext. papers

8,944
ext. citations

5.9
avg, IF

5.82
L-index

#	Paper	IF	Citations
179	Platinum Deposited Nitrogen-Doped Vertically Aligned Carbon Nanofibers as Methanol Tolerant Catalyst for Oxygen Reduction Reaction with Improved Durability. <i>Applied Nano</i> , 2021 , 2, 303-318	1	1
178	Hydroquinone-based conjugated Schiff base polymer as anode material for lithium ion batteries. <i>Materials Letters</i> , 2021 , 286, 129235	3.3	4
177	Graphene-Based Dual-Metal Sites for Oxygen Reduction Reaction: A Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 2334-2344	3.8	7
176	Quantitative Detection of Cathepsin B Activity in Neutral pH Buffers Using Gold Microelectrode Arrays: Toward Direct Multiplex Analyses of Extracellular Proteases in Human Serum. <i>ACS Sensors</i> , 2021 , 6, 3621-3631	9.2	0
175	Tuning the defects in MoS ₂ /reduced graphene oxide 2D hybrid materials for optimizing battery performance. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 4002-4014	5.8	2
174	Simultaneous, multiplex quantification of protease activities using a gold microelectrode array. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112330	11.8	7
173	Enhanced photocatalytic activity under visible light by the synergistic effects of plasmonics and Ti ³⁺ -doping at the Ag/TiO _{2-x} heterojunction. <i>Ceramics International</i> , 2020 , 46, 10667-10677	5.1	32
172	Fundamental Electrochemical Insights of Vertically Aligned Carbon Nanofiber Architecture as a Catalyst Support for ORR. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 066523	3.9	8
171	Microwave-assisted high-yield exfoliation of vanadium pentoxide nanoribbons for supercapacitor applications. <i>Electrochimica Acta</i> , 2020 , 330, 135200	6.7	8
170	Vertically Aligned Carbon Nanofibers on Cu Foil as a 3D Current Collector for Reversible Li Plating/Stripping toward High-Performance LiB Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1906444	15.6	31
169	N-doping induced tensile-strained Pt nanoparticles ensuring an excellent durability of the oxygen reduction reaction. <i>Journal of Catalysis</i> , 2020 , 382, 247-255	7.3	28
168	Water-Insoluble Side-Chain-Grafted Single Ion Conducting Polymer Electrolyte for Long-Term Stable Lithium Metal Secondary Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 1128-1138	6.1	11
167	Frontiers in hybrid and interfacial materials chemistry research. <i>MRS Bulletin</i> , 2020 , 45, 951-964	3.2	2
166	Enhancing Methanol Oxidation Reaction with Platinum-based Catalysts using a N-Doped Three-dimensional Graphitic Carbon Support. <i>ChemCatChem</i> , 2020 , 12, 6000-6012	5.2	5
165	A study on the association between biomass types and magnesium oxide pretreatment. <i>Bioresource Technology</i> , 2019 , 293, 122035	11	2
164	Co-fermentation of magnesium oxide-treated corn stover and corn stover liquor for cellulosic ethanol production and techno-economic analysis. <i>Bioresource Technology</i> , 2019 , 294, 122143	11	
163	Enhancing delignification and subsequent enzymatic hydrolysis of corn stover by magnesium oxide-ethanol pretreatment. <i>Bioresource Technology</i> , 2019 , 279, 124-131	11	9

162	Sr:F co-doping of In ₂ O ₃ thin film and its dual inhibition effect on trap states to achieve a high stability thin film transistor deposited by solution process. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 315105	3	7
161	Dual-Confined SiO Embedded in TiO ₂ Shell and 3D Carbon Nanofiber Web as Stable Anode Material for Superior Lithium Storage. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801800	4.6	20
160	3D printing of hybrid MoS ₂ -graphene aerogels as highly porous electrode materials for sodium ion battery anodes. <i>Materials and Design</i> , 2019 , 170, 107689	8.1	75
159	Electrochemical Activity Assay for Protease Analysis Using Carbon Nanofiber Nanoelectrode Arrays. <i>Analytical Chemistry</i> , 2019 , 91, 3971-3979	7.8	19
158	Probing the relationship of cations-graphene interaction strength with self-organization behaviors of the anions at the interface between graphene and ionic liquids. <i>Applied Surface Science</i> , 2019 , 479, 576-581	6.7	2
157	Boosting fermentable sugars by integrating magnesium oxide-treated corn stover and corn stover liquor without washing and detoxification. <i>Bioresource Technology</i> , 2019 , 288, 121586	11	3
156	Enzymatic hydrolysis and fermentation of corn stover liquor from magnesium oxide pretreatment without detoxification. <i>Industrial Crops and Products</i> , 2019 , 140, 111728	5.9	3
155	High-solids hydrolysis of corn stover to achieve high sugar yield and concentration through high xylan recovery from magnesium oxide-ethanol pretreatment. <i>Bioresource Technology</i> , 2019 , 280, 352-359 ¹		6
154	Facilitating high-capacity V ₂ O ₅ cathodes with stable two and three Li ⁺ insertion using a hybrid membrane structure consisting of amorphous V ₂ O ₅ shells coaxially deposited on electrospun carbon nanofibers. <i>Electrochimica Acta</i> , 2018 , 269, 144-154	6.7	12
153	Ba ₅ Ta ₄ O ₁₅ Nanosheet/AgVO ₃ Nanoribbon Heterojunctions with Enhanced Photocatalytic Oxidation Performance: Hole Dominated Charge Transfer Path and Plasmonic Effect Insight. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6682-6692	8.3	74
152	Effects of calcining temperature on formation of hierarchical TiO ₂ /g-C ₃ N ₄ hybrids as an effective Z-scheme heterojunction photocatalyst. <i>Applied Surface Science</i> , 2018 , 441, 1012-1023	6.7	114
151	Electrospray synthesis of nano-Si encapsulated in graphite/carbon microplates as robust anodes for high performance lithium-ion batteries. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 679-687	5.8	21
150	Corn stover pretreatment by metal oxides for improving lignin removal and reducing sugar degradation and water usage. <i>Bioresource Technology</i> , 2018 , 263, 232-241	11	26
149	Disordered Bilayered V ₂ O ₅ / nH ₂ O Shells Deposited on Vertically Aligned Carbon Nanofiber Arrays as Stable High-Capacity Sodium Ion Battery Cathodes. <i>Energy Technology</i> , 2018 , 6, 2438-2449	3.5	6
148	An insect nucleoside diphosphate kinase (NDK) functions as an effector protein in wheat - Hessian fly interactions. <i>Insect Biochemistry and Molecular Biology</i> , 2018 , 100, 30-38	4.5	8
147	Boosting the fermentable sugar yield and concentration of corn stover by magnesium oxide pretreatment for ethanol production. <i>Bioresource Technology</i> , 2018 , 269, 400-407	11	9
146	ZnO nanoparticles implanted in TiO ₂ macrochannels as an effective direct Z-scheme heterojunction photocatalyst for degradation of RhB. <i>Applied Surface Science</i> , 2018 , 456, 666-675	6.7	95
145	High Performance Tin-coated Vertically Aligned Carbon Nanofiber Array Anode for Lithium-ion Batteries. <i>MRS Advances</i> , 2018 , 3, 3519-3524	0.7	1

144	Detecting Electric Dipoles Interaction at the Interface of Ferroelectric and Electrolyte Using Graphene Field Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4244-4252	9.5	14
143	Toward highly stable solid-state unconventional thin-film battery-supercapacitor hybrid devices: Interfacing vertical core-shell array electrodes with a gel polymer electrolyte. <i>Journal of Power Sources</i> , 2017 , 342, 1006-1016	8.9	10
142	AC dielectrophoretic manipulation and electroporation of vaccinia virus using carbon nanoelectrode arrays. <i>Electrophoresis</i> , 2017 , 38, 1515-1525	3.6	10
141	Detection of extremely low concentration waterborne pathogen using a multiplexing self-referencing SERS microfluidic biosensor. <i>Journal of Biological Engineering</i> , 2017 , 11, 9	6.3	49
140	Self-Organization of Ions at the Interface between Graphene and Ionic Liquid DEME-TFSI. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35437-35443	9.5	15
139	3D Printing Hierarchical Silver Nanowire Aerogel with Highly Compressive Resilience and Tensile Elongation through Tunable Poisson's Ratio. <i>Small</i> , 2017 , 13, 1701756	11	47
138	TiO ₂ : A Critical Interfacial Material for Incorporating Photosynthetic Protein Complexes and Plasmonic Nanoparticles into Biophotovoltaics 2017 ,		2
137	Thermostable gel polymer electrolyte based on succinonitrile and ionic liquid for high-performance solid-state supercapacitors. <i>Journal of Power Sources</i> , 2016 , 328, 510-519	8.9	99
136	Nanoelectrode Array Based Devices for Electrical Capture of Microbes Using Dielectrophoresis. <i>ACS Symposium Series</i> , 2016 , 213-230	0.4	
135	Plasmonic Enhancement of Biosolar Cells Employing Light Harvesting Complex II Incorporated with Core/Shell Metal@TiO ₂ Nanoparticles. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600371	4.6	19
134	Sandwich-like mesoporous graphene@magnetite@carbon nanosheets for high-rate lithium ion batteries. <i>Solid State Sciences</i> , 2016 , 57, 16-23	3.4	6
133	Mesoporous Hybrids of Reduced Graphene Oxide and Vanadium Pentoxide for Enhanced Performance in Lithium-Ion Batteries and Electrochemical Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9200-10	9.5	56
132	Carbon Nanotubes with Special Architectures for Biomedical Applications. <i>Springer Series in Biomaterials Science and Engineering</i> , 2016 , 113-143	0.6	1
131	Correlation of the plasmon-enhanced photoconductance and photovoltaic properties of core-shell Au@TiO ₂ network. <i>Applied Physics Letters</i> , 2016 , 109, 091604	3.4	9
130	Highly Stable Three Lithium Insertion in Thin V ₂ O ₅ Shells on Vertically Aligned Carbon Nanofiber Arrays for Ultrahigh-Capacity Lithium Ion Battery Cathodes. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600824	4.6	22
129	Probing effect of temperature on energy storage properties of relaxor-ferroelectric epitaxial Pb _{0.92} La _{0.08} Zr _{0.52} Ti _{0.48} O ₃ thin film capacitors. <i>Thin Solid Films</i> , 2016 , 616, 711-716	2.2	9
128	Integration of a nanostructured dielectrophoretic device and a surface-enhanced Raman probe for highly sensitive rapid bacteria detection. <i>Nanoscale</i> , 2015 , 7, 3726-36	7.7	56
127	Conversion of PtNi alloy from disordered to ordered for enhanced activity and durability in methanol-tolerant oxygen reduction reactions. <i>Nano Research</i> , 2015 , 8, 2777-2788	10	101

126	Ultra-thin SiC layer covered graphene nanosheets as advanced photocatalysts for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10999-11005	13	65
125	Higher-power supercapacitor electrodes based on mesoporous manganese oxide coating on vertically aligned carbon nanofibers. <i>Nanoscale</i> , 2015 , 7, 8485-94	7.7	35
124	A Novel High-Power Battery-Pseudocapacitor Hybrid Based on Fast Lithium Reactions in Silicon Anode and Titanium Dioxide Cathode Coated on Vertically Aligned Carbon Nanofibers. <i>Electrochimica Acta</i> , 2015 , 178, 797-805	6.7	15
123	Effective Infiltration of Gel Polymer Electrolyte into Silicon-Coated Vertically Aligned Carbon Nanofibers as Anodes for Solid-State Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20909-18	9.5	27
122	Detangling extrinsic and intrinsic hysteresis for detecting dynamic switch of electric dipoles using graphene field-effect transistors on ferroelectric gates. <i>Nanoscale</i> , 2015 , 7, 18489-97	7.7	35
121	Zigzag Single-Walled Carbon Nanotubes Substitutionally Doped by Silicon: A Density Functional Theory Study. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015 , 23, 203-208	1.8	5
120	Anomalous capacity increase at high-rates in lithium-ion battery anodes based on silicon-coated vertically aligned carbon nanofibers. <i>Journal of Power Sources</i> , 2015 , 276, 73-79	8.9	24
119	Advanced Materials for Supercapacitors. <i>Electrochemical Energy Storage and Conversion</i> , 2015 , 423-449		
118	Simulation of the Impact of Si Shell Thickness on the Performance of Si-Coated Vertically Aligned Carbon Nanofiber as Li-Ion Battery Anode. <i>Nanomaterials</i> , 2015 , 5, 2268-2278	5.4	1
117	Quantitative electrochemical detection of cathepsin B activity in breast cancer cell lysates using carbon nanofiber nanoelectrode arrays toward identification of cancer formation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1695-704	6	22
116	Advanced physical chemistry of carbon nanotubes. <i>Annual Review of Physical Chemistry</i> , 2015 , 66, 331-56	5.7	29
115	Photoactivity of Poly(lactic acid) nanocomposites modulated by TiO ₂ nanofillers. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	3
114	Effect of the LHClI pigment-protein complex aggregation on photovoltaic properties of sensitized TiO ₂ solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 20856-65	3.6	22
113	Atomic layer deposition of Al-doped ZnO/Al ₂ O ₃ double layers on vertically aligned carbon nanofiber arrays. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6865-71	9.5	20
112	Tin dioxide@carbon core-shell nanoarchitectures anchored on wrinkled graphene for ultrafast and stable lithium storage. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7434-43	9.5	39
111	Preparation and characterization of TiO ₂ barrier layers for dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 10679-86	9.5	14
110	Quantitative electrochemical detection of cathepsin B activity in complex tissue lysates using enhanced AC voltammetry at carbon nanofiber nanoelectrode arrays. <i>Biosensors and Bioelectronics</i> , 2014 , 56, 129-36	11.8	23
109	Charge-transfer character of the low-energy Chl a Q(y) absorption band in aggregated light harvesting complexes II. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 6086-91	3.4	23

108	Syntheses, neural protective activities, and inhibition of glycogen synthase kinase-3 β of substituted quinolines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 3392-7	2.9	8
107	High-rate lithium-ion battery anodes based on silicon-coated vertically aligned carbon nanofibers 2014 ,		1
106	Controlling dielectric and relaxor-ferroelectric properties for energy storage by tuning Pb _{0.92} La _{0.08} Zr _{0.52} Ti _{0.48} O ₃ film thickness. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22417-22	9.5	49
105	Density functional theory studies of Si ₃₆ H ₃₆ and C ₃₆ H ₃₆ nanocages. <i>International Journal of Quantum Chemistry</i> , 2014 , 114, 725-730	2.1	10
104	Luminol-labeled gold nanoparticles for ultrasensitive chemiluminescence-based chemical analyses. <i>Analyst, The</i> , 2013 , 138, 5600-9	5	10
103	Density Functional Theory Studies of Substitutionally Si-Doped Single-Walled Carbon Nanotubes. <i>Advanced Materials Research</i> , 2013 , 683, 150-153	0.5	
102	Electrical Capture and Detection of Microbes Using Dielectrophoresis at Nanoelectrode Arrays. <i>ACS Symposium Series</i> , 2013 , 109-124	0.4	8
101	Microfluidic integrated multi-walled carbon nanotube (MWCNT) sensor for electrochemical nucleic acid concentration measurement. <i>Sensors and Actuators B: Chemical</i> , 2013 , 185, 370-376	8.5	33
100	Electrochemical Protease Biosensor Based on Enhanced AC Voltammetry Using Carbon Nanofiber Nanoelectrode Arrays. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 4268-4277	3.8	34
99	A high-performance lithium-ion battery anode based on the core-shell heterostructure of silicon-coated vertically aligned carbon nanofibers. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1055-1064	13	71
98	Manipulation of bacteriophages with dielectrophoresis on carbon nanofiber nanoelectrode arrays. <i>Electrophoresis</i> , 2013 , 34, 1123-30	3.6	24
97	High Performance Lithium-ion Battery Electrode: Silicon Coated on Vertically Aligned Carbon Nanofibers. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1541, 73901		
96	Redox potentials, laccase oxidation, and antilarval activities of substituted phenols. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 1679-89	3.4	11
95	Isothermal crystallization and melting behaviors of bionanocomposites from poly(lactic acid) and TiO ₂ nanowires. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 2968-2977	2.9	20
94	Fluorescence quenching studies of potential-dependent DNA reorientation dynamics at glassy carbon electrode surfaces. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14467-75	16.4	10
93	Label-free electrochemical impedance detection of kinase and phosphatase activities using carbon nanofiber nanoelectrode arrays. <i>Analytica Chimica Acta</i> , 2012 , 744, 45-53	6.6	21
92	Kinetic properties of alternatively spliced isoforms of laccase-2 from <i>Tribolium castaneum</i> and <i>Anopheles gambiae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2012 , 42, 193-202	4.5	22
91	Electrochemical enzymatic biosensors using carbon nanofiber nanoelectrode arrays 2012 ,		1

90	Electrical Stimulation of Brain Tissue with Carbon Nanofiber Microbrush Arrays 2012 , 38-59		1
89	Electrochemical analysis of dye adsorption on aligned carbon nanofiber arrays coated with TiO ₂ nanoneedles for dye-sensitized solar cell. <i>Frontiers of Optoelectronics in China</i> , 2011 , 4, 53-58		
88	Enhanced Electron Transfer Rates by AC Voltammetry for Ferrocenes Attached to the End of Embedded Carbon Nanofiber Nanoelectrode Arrays. <i>Electroanalysis</i> , 2011 , 23, 1709-1717	3	9
87	Dielectrophoretic capture of E. coli cells at micropatterned nanoelectrode arrays. <i>Electrophoresis</i> , 2011 , 32, 2358-65	3.6	14
86	Synthesis and characterization of bionanocomposites of poly(lactic acid) and TiO ₂ nanowires by in situ polymerization. <i>Polymer</i> , 2011 , 52, 2367-2375	3.9	53
85	The effect of annealing on the photoconductivity of carbon nanofiber/TiO ₂ core-shell nanowires for use in dye-sensitized solar cells. <i>Applied Physics Letters</i> , 2010 , 97, 043102	3.4	9
84	Self-supported supercapacitor membrane through incorporating MnO ₂ nanowires into carbon nanotube networks. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 5099-105	1.3	2
83	Characterization of carbon nanofiber electrode arrays using electrochemical impedance spectroscopy: effect of scaling down electrode size. <i>ACS Nano</i> , 2010 , 4, 955-61	16.7	68
82	Hybrid Supercapacitor Based on Coaxially Coated Manganese Oxide on Vertically Aligned Carbon Nanofiber Arrays. <i>Chemistry of Materials</i> , 2010 , 22, 5022-5030	9.6	231
81	Introduction to the Special Section on Electronic and Ionic Interfaces to Biomolecules and Cells. <i>IEEE Nanotechnology Magazine</i> , 2010 , 9, 268-268	2.6	
80	Investigation into Photoconductivity in Single CNF/TiO ₂ -Dye Core-Shell Nanowire Devices. <i>Nanoscale Research Letters</i> , 2010 , 5, 1480-1486	5	16
79	Self-supported supercapacitor membranes: Polypyrrole-coated carbon nanotube networks enabled by pulsed electrodeposition. <i>Journal of Power Sources</i> , 2010 , 195, 674-679	8.9	159
78	Arrays of carbon nanofibers as a platform for biosensing at the molecular level and for tissue engineering and implantation. <i>Bio-Medical Materials and Engineering</i> , 2009 , 19, 35-43	1	8
77	Layer-by-layer assembled carbon nanotube films with molecule recognition function and lower capacitive background current. <i>Bioelectrochemistry</i> , 2009 , 74, 289-94	5.6	11
76	High efficient electrical stimulation of hippocampal slices with vertically aligned carbon nanofiber microbrush array. <i>Biomedical Microdevices</i> , 2009 , 11, 801-8	3.7	44
75	Wafer-scale fabrication of patterned carbon nanofiber nanoelectrode arrays: a route for development of multiplexed, ultrasensitive disposable biosensors. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 2818-24	11.8	82
74	Novel dye-sensitized solar cell architecture using TiO ₂ -coated vertically aligned carbon nanofiber arrays. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1645-9	9.5	67
73	Vertically aligned carbon nanofibers: interconnecting solid state electronics with biosystems. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 5038-46	1.3	9

72	Carbon-Based Sensors 2008 , 507-533		1
71	Structure and Photoluminescence Study of TiO ₂ Nanoneedle Texture along Vertically Aligned Carbon Nanofiber Arrays. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 17127-17132	3.8	122
70	Investigation of Pt Catalysts Supported on Multi-Walled Carbon Nanotubes with Various Diameters and Lengths. <i>Catalysis Letters</i> , 2008 , 120, 236-243	2.8	6
69	Dielectrophoretic trapping of single bacteria at carbon nanofiber nanoelectrode arrays. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 12772-7	2.8	23
68	Structural and Electrical Characterization of Carbon Nanofibers for Interconnect Via Applications. <i>IEEE Nanotechnology Magazine</i> , 2007 , 6, 688-695	2.6	57
67	Palladium catalyzed formation of carbon nanofibers by plasma enhanced chemical vapor deposition. <i>Carbon</i> , 2007 , 45, 424-428	10.4	17
66	High-Current Reliability of Carbon Nanofibers for Interconnect Applications. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 1018, 1		
65	Bright-field transmission imaging of carbon nanofibers on bulk substrate using conventional scanning electron microscopy. <i>Journal of Vacuum Science & Technology B</i> , 2007 , 25, 1615		4
64	Highly conjugated polypyrrole on multiwalled carbon nanotube templates analyzed by Raman spectroscopy 2007 ,		5
63	Current-induced breakdown of carbon nanofibers. <i>Journal of Applied Physics</i> , 2007 , 101, 114307	2.5	29
62	Vertically aligned carbon nanofiber architecture as a multifunctional 3-D neural electrical interface. <i>IEEE Transactions on Biomedical Engineering</i> , 2007 , 54, 1121-8	5	120
61	Friction of partially embedded vertically aligned carbon nanofibers inside elastomers. <i>Applied Physics Letters</i> , 2007 , 91, 061906	3.4	37
60	Nanotechnology: moving from microarrays toward nanoarrays. <i>Methods in Molecular Biology</i> , 2007 , 381, 411-36	1.4	19
59	Carbon Nanotube Based Interconnect Technology: Opportunities and Challenges 2007 , A181-A204		4
58	Thermal Contact Resistance and Thermal Conductivity of a Carbon Nanofiber. <i>Journal of Heat Transfer</i> , 2006 , 128, 234-239	1.8	131
57	Biomolecular Sensing for Cancer Diagnostics Using Carbon Nanotubes 2006 , 1-17		1
56	Nanofabrication of Vertically Aligned Carbon Nanofibers for Contact Characterization. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 921, 1		
55	Bright Contrast Imaging of Carbon Nanofiber-Substrate Interface using Scanning Electron Microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 963, 1		

54	Bright contrast imaging of carbon nanofiber-substrate interface. <i>Journal of Applied Physics</i> , 2006 , 100, 104305	2.5	8
53	Interface characteristics of vertically aligned carbon nanofibers for interconnect applications. <i>Applied Physics Letters</i> , 2006 , 89, 263114	3.4	10
52	Characteristics of aligned carbon nanofibers for interconnect via applications. <i>IEEE Electron Device Letters</i> , 2006 , 27, 221-224	4.4	27
51	Vertically aligned carbon nanofiber arrays: an advance toward electrical-neural interfaces. <i>Small</i> , 2006 , 2, 89-94	11	177
50	Bottom-up sample preparation technique for interfacial characterization of vertically aligned carbon nanofibers. <i>Ultramicroscopy</i> , 2006 , 106, 597-602	3.1	7
49	The NASA Nanoelectrode Array for Deep Brain Stimulation: Monitoring Neurotransmitters and Electrical Activity Plus Precise Stimulation 2006 , 212-215		
48	Structural characteristics of carbon nanofibers for on-chip interconnect applications. <i>Applied Physics Letters</i> , 2005 , 87, 233105	3.4	27
47	Thermal Contact Resistance and Thermal Conductivity of a Carbon Nanofiber 2005 , 197		1
46	Inlaid Multi-Walled Carbon Nanotube Nanoelectrode Arrays for Electroanalysis. <i>Electroanalysis</i> , 2005 , 17, 15-27	3	134
45	Carbon nanotubes and nanowires for biological sensing. <i>Methods in Molecular Biology</i> , 2005 , 300, 191-231.4		12
44	Three-dimensional columnar optical nanostructures fabricated by using lithography-free templating approach. <i>Applied Physics Letters</i> , 2004 , 84, 2898-2900	3.4	2
43	Thermal Conductivity of Carbon Nanotube Composite Films. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 812, F3.18.1		8
42	Microelectronic DNA assay for the detection of BRCA1 gene mutations. <i>Biomedical Microdevices</i> , 2004 , 6, 55-60	3.7	10
41	The fabrication and electrochemical characterization of carbon nanotube nanoelectrode arrays. <i>Journal of Materials Chemistry</i> , 2004 , 14, 676		216
40	Vertically aligned carbon nanotube heterojunctions. <i>Applied Physics Letters</i> , 2004 , 85, 2364-2366	3.4	27
39	Thermal Interface Properties of Cu-filled Vertically Aligned Carbon Nanofiber Arrays. <i>Nano Letters</i> , 2004 , 4, 2403-2407	11.5	175
38	Combinatorial chips for optimizing the growth and integration of carbon nanofibre based devices. <i>Nanotechnology</i> , 2004 , 15, 9-15	3.4	69
37	Miniaturized multiplex label-free electronic chip for rapid nucleic acid analysis based on carbon nanotube nanoelectrode arrays. <i>Clinical Chemistry</i> , 2004 , 50, 1886-93	5.5	131

36	Electron transport through metal-multiwall carbon nanotube interfaces. <i>IEEE Nanotechnology Magazine</i> , 2004 , 3, 311-317	2.6	75
35	Direct Integration of Metal Oxide Nanowire in Vertical Field-Effect Transistor. <i>Nano Letters</i> , 2004 , 4, 651-657	11.5	248
34	High throughput methodology for carbon nanomaterials discovery and optimization. <i>Applied Catalysis A: General</i> , 2003 , 254, 85-96	5.1	11
33	Ultrasensitive label-free DNA analysis using an electronic chip based on carbon nanotube nanoelectrode arrays. <i>Nanotechnology</i> , 2003 , 14, 1239-45	3.4	163
32	Bottom-up approach for carbon nanotube interconnects. <i>Applied Physics Letters</i> , 2003 , 82, 2491-2493	3.4	393
31	Carbon Nanotube Nanoelectrode Array for Ultrasensitive DNA Detection. <i>Nano Letters</i> , 2003 , 3, 597-602	11.5	573
30	Growth of epitaxial nanowires at the junctions of nanowalls. <i>Science</i> , 2003 , 300, 1249	33.3	375
29	Growth of Carbon Nanotubes: A Combinatorial Method To Study the Effects of Catalysts and Underlayers. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 8484-8489	3.4	70
28	Epitaxial Directional Growth of Indium-Doped Tin Oxide Nanowire Arrays. <i>Nano Letters</i> , 2003 , 3, 925-928	11.5	128
27	Carbon nanotube networks by chemical vapor deposition. <i>Applied Physics Letters</i> , 2003 , 82, 817-819	3.4	39
26	Optical properties of single-crystalline ZnO nanowires on m-sapphire. <i>Applied Physics Letters</i> , 2003 , 82, 2023-2025	3.4	262
25	Synthesis of vertically aligned carbon nanotubes films on silicon wafers by pyrolysis of ethylenediamine. <i>Thin Solid Films</i> , 2002 , 422, 120-125	2.2	26
24	Novel Three-Dimensional Electrodes: Electrochemical Properties of Carbon Nanotube Ensembles. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 9299-9305	3.4	265
23	Soft-Lithography-Mediated Chemical Vapor Deposition of Architected Carbon Nanotube Networks on Elastomeric Polymer. <i>Langmuir</i> , 2002 , 18, 1-5	4	31
22	High Density Array Matrices of Polymeric Structures by Ultrathin Interfacial Layer-Mediated Double Replication Approach. <i>Nano Letters</i> , 2002 , 2, 961-964	11.5	6
21	Preparation of Nucleic Acid Functionalized Carbon Nanotube Arrays. <i>Nano Letters</i> , 2002 , 2, 1079-1081	11.5	315
20	Electronic properties of multiwalled carbon nanotubes in an embedded vertical array. <i>Applied Physics Letters</i> , 2002 , 81, 910-912	3.4	141
19	Atomic hydrogen beam etching of carbon superstructures on 6H-SiC (0001) studied by reflection high-energy electron diffraction. <i>Diamond and Related Materials</i> , 2001 , 10, 1218-1223	3.5	8

18	Flexible carbon nanotube membrane sensory system: a generic platform. <i>Journal of Nanoscience and Nanotechnology</i> , 2001 , 1, 375-9	1.3	19
17	High surface area zirconia by digestion of zirconium propoxide at different pH. <i>Microporous and Mesoporous Materials</i> , 2000 , 39, 381-392	5.3	64
16	The Formation of Two-Dimensional Supramolecular Chiral Lamellae by Diamide Molecules at the Solution/Graphite Interface: A Scanning Tunneling Microscopy Study. <i>Langmuir</i> , 2000 , 16, 7023-7030	4	18
15	In-situ AFM study of pitting corrosion of Cu thin films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999 , 154, 227-237	5.1	41
14	Electrochemical, in-situ surface EXAFS and CTR studies of Co monolayers irreversibly adsorbed onto Pt(111). <i>Electrochimica Acta</i> , 1999 , 44, 2385-2396	6.7	25
13	Carbon nanotubes as AFM tips: measuring DNA molecules at the liquid/solid interface. <i>Surface and Interface Analysis</i> , 1999 , 28, 8-11	1.5	75
12	Anion and electrode surface structure effects on the deposition of metal monolayers: electrochemical and time-resolved surface diffraction studies. <i>Electrochimica Acta</i> , 1998 , 43, 2899-2909	6.7	22
11	Electrodeposition dynamics: electrochemical and X-ray scattering studies. <i>Electrochimica Acta</i> , 1998 , 44, 983-992	6.7	12
10	The effects of anions on the underpotential deposition of Hg on Au(111) An electrochemical and in situ surface X-ray diffraction study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998 , 134, 113-131	5.1	16
9	Coadsorption of Sulfate/Bisulfate Anions with Hg Cations during Hg Underpotential Deposition on Au(111): An in Situ X-ray Diffraction Study. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 244-252	3.4	28
8	Phases of Underpotentially Deposited Hg on Au(111): An in Situ Surface X-ray Diffraction Study. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 2907-2916	3.4	29
7	The structure of n-octadecane thiol monolayers self-assembled on Au(001) studied by synchrotron x-ray and helium atom diffraction. <i>Journal of Chemical Physics</i> , 1995 , 102, 5012-5028	3.9	33
6	Counterion Overlayers at the Interface between an Electrolyte and an .omega.-Functionalized Monolayer Self-Assembled on Gold. An X-ray Reflectivity Study. <i>Langmuir</i> , 1995 , 11, 4418-4427	4	61
5	Structural defects in self-assembled organic monolayers via combined atomic beam and x-ray diffraction. <i>Journal of Chemical Physics</i> , 1993 , 99, 744-747	3.9	128
4	A Grazing Incidence X-Ray Diffraction Study of Self-Assembled Monolayers. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 237, 291		2
3	Structure of octadecyl thiol self-assembled on the silver(111) surface: an incommensurate monolayer. <i>Langmuir</i> , 1991 , 7, 2013-2016	4	161
2	Nanotechnology: An Overview and Integration with MEMS		4
1	Architectural Design for Flexible Solid-State Batteries. <i>ACS Symposium Series</i> , 289-309	0.4	

