

Chongwu Zhou

List of Publications by Year in descending order

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253
papers

38,111
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times ranked

44445
citing authors

#	ARTICLE	IF	CITATIONS
1	Air-stable n-type transistors based on assembled aligned carbon nanotube arrays and their application in complementary metal-oxide-semiconductor electronics. <i>Nano Research</i> , 2022, 15, 864-871.	5.8	10
2	Highly sensitive, scalable, and rapid SARS-CoV-2 biosensor based on In ₂ O ₃ nanoribbon transistors and phosphatase. <i>Nano Research</i> , 2022, 15, 5510-5516.	5.8	16
3	Narrower Nanoribbon Biosensors Fabricated by Chemical Lift-off Lithography Show Higher Sensitivity. <i>ACS Nano</i> , 2021, 15, 904-915.	7.3	33
4	Defect-Tolerant TiO ₂ -Coated and Discretized Photoanodes for >600 h of Stable Photoelectrochemical Water Oxidation. <i>ACS Energy Letters</i> , 2021, 6, 193-200.	8.8	25
5	Gate-tunable plasmons in mixed-dimensional van der Waals heterostructures. <i>Nature Communications</i> , 2021, 12, 5039.	5.8	20
6	Tellurene Photodetector with High Gain and Wide Bandwidth. <i>ACS Nano</i> , 2020, 14, 303-310.	7.3	101
7	Gold-vapor-assisted chemical vapor deposition of aligned monolayer WSe ₂ with large domain size and fast growth rate. <i>Nano Research</i> , 2020, 13, 2625-2631.	5.8	15
8	Tunneling Spectroscopy in Carbon Nanotube-Hexagonal Boron Nitride-Carbon Nanotube Heterojunctions. <i>Nano Letters</i> , 2020, 20, 6712-6718.	4.5	6
9	Flexible Multiplexed In ₂ O ₃ Nanoribbon Aptamer-Field-Effect Transistors for Biosensing. <i>IScience</i> , 2020, 23, 101469.	1.9	45
10	Red-phosphorus-impregnated carbon nanofibers for sodium-ion batteries and liquefaction of red phosphorus. <i>Nature Communications</i> , 2020, 11, 2520.	5.8	77
11	Nonlinear Luttinger liquid plasmons in semiconducting single-walled carbon nanotubes. <i>Nature Materials</i> , 2020, 19, 986-991.	13.3	30
12	Metallic Carbon Nanotube Nanocavities as Ultracompact and Low-loss Fabry-Pérot Plasmonic Resonators. <i>Nano Letters</i> , 2020, 20, 2695-2702.	4.5	17
13	Stacking Independence and Resonant Interlayer Excitation of Monolayer WSe ₂ /MoSe ₂ Heterostructures for Photocatalytic Energy Conversion. <i>ACS Applied Nano Materials</i> , 2020, 3, 1175-1181.	2.4	7
14	Room temperature wideband tunable photoluminescence of pulsed thermally annealed layered black phosphorus. <i>Nanophotonics</i> , 2020, 9, 4253-4264.	2.9	5
15	Luttinger Liquid Plasmons in Single Walled Carbon Nanotubes. , 2020, , .		0
16	Dynamically controllable polarity modulation of MoTe ₂ field-effect transistors through ultraviolet light and electrostatic activation. <i>Science Advances</i> , 2019, 5, eaav3430.	4.7	96
17	Fully Printed All-Solid-State Organic Flexible Artificial Synapse for Neuromorphic Computing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16749-16757.	4.0	70
18	Logarithm Diameter Scaling and Carrier Density Independence of One-Dimensional Luttinger Liquid Plasmon. <i>Nano Letters</i> , 2019, 19, 2360-2365.	4.5	18

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19	Photoinduced Doping To Enable Tunable and High-Performance Anti-Ambipolar MoTe ₂ /MoS ₂ Heterotransistors. ACS Nano, 2019, 13, 5430-5438.	7.3	73
20	Wafer-scalable, aligned carbon nanotube transistors operating at frequencies of over 100 GHz. Nature Electronics, 2019, 2, 530-539.	13.1	62
21	Synthesis of Red and Black Phosphorus Nanomaterials. ACS Symposium Series, 2019, , 1-25.	0.5	2
22	Synthesis of interconnected graphene framework with two-dimensional protective layers for stable lithium metal anodes. Energy Storage Materials, 2019, 17, 341-348.	9.5	26
23	Quasi-two-dimensional $\hat{\Gamma}^2$ -Ga ₂ O ₃ field effect transistors with large drain current density and low contact resistance via controlled formation of interfacial oxygen vacancies. Nano Research, 2019, 12, 143-148.	5.8	35
24	Highly Sensitive and Wearable In ₂ O ₃ Nanoribbon Transistor Biosensors with Integrated On-Chip Gate for Glucose Monitoring in Body Fluids. ACS Nano, 2018, 12, 1170-1178.	7.3	185
25	Air-Stable Room-Temperature Mid-Infrared Photodetectors Based on hBN/Black Arsenic Phosphorus/hBN Heterostructures. Nano Letters, 2018, 18, 3172-3179.	4.5	145
26	Functional interlayer of PVDF-HFP and carbon nanofiber for long-life lithium-sulfur batteries. Nano Research, 2018, 11, 3340-3352.	5.8	60
27	Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. ACS Nano, 2018, 12, 11756-11784.	7.3	388
28	Aligned Carbon Nanotube Synaptic Transistors for Large-Scale Neuromorphic Computing. ACS Nano, 2018, 12, 7352-7361.	7.3	128
29	Correlation of Electron Tunneling and Plasmon Propagation in a Luttinger Liquid. Physical Review Letters, 2018, 121, 047702.	2.9	21
30	Room-Temperature Pressure Synthesis of Layered Black Phosphorus-Graphene Composite for Sodium-Ion Battery Anodes. ACS Nano, 2018, 12, 8323-8329.	7.3	83
31	Single-step flash-heat synthesis of red phosphorus/graphene flame-retardant composite as flexible anodes for sodium-ion batteries. Nano Research, 2018, 11, 3780-3790.	5.8	30
32	Hierarchical Carbon-Coated Ball-Milled Silicon: Synthesis and Applications in Free-Standing Electrodes and High-Voltage Full Lithium-Ion Batteries. ACS Nano, 2018, 12, 6280-6291.	7.3	99
33	Chirality-Controlled Synthesis and Applications of Single-Wall Carbon Nanotubes. ACS Nano, 2017, 11, 31-53.	7.3	170
34	Cathode Materials: Atomic Insights into the Enhanced Surface Stability in High Voltage Cathode Materials by Ultrathin Coating (Adv. Funct. Mater. 7/2017). Advanced Functional Materials, 2017, 27, .	7.8	0
35	Top-Contact Self-Aligned Printing for High-Performance Carbon Nanotube Thin-Film Transistors with Sub-Micron Channel Length. ACS Nano, 2017, 11, 2008-2014.	7.3	38
36	Two-Dimensional Semiconductors: From Materials Preparation to Electronic Applications. Advanced Electronic Materials, 2017, 3, 1700045.	2.6	94

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37	Red Phosphorus Nanodots on Reduced Graphene Oxide as a Flexible and Ultra-Fast Anode for Sodium-Ion Batteries. ACS Nano, 2017, 11, 5530-5537.	7.3	201
38	Synthesis, Characterization, and Device Application of Antimony-Substituted Violet Phosphorus: A Layered Material. ACS Nano, 2017, 11, 4105-4113.	7.3	41
39	Atomic Insights into the Enhanced Surface Stability in High Voltage Cathode Materials by Ultrathin Coating. Advanced Functional Materials, 2017, 27, 1602873.	7.8	37
40	Review of Electronics Based on Single-Walled Carbon Nanotubes. Topics in Current Chemistry, 2017, 375, 75.	3.0	43
41	High-Performance Sub-Micrometer Channel WSe ₂ Field-Effect Transistors Prepared Using a Flood-“Dike Printing Method. ACS Nano, 2017, 11, 12536-12546.	7.3	7
42	Black Phosphorus Field-Effect Transistors with Work Function Tunable Contacts. ACS Nano, 2017, 11, 7126-7133.	7.3	54
43	Layered P2-Na _{2/3} [Ni _{1/3} Mn _{2/3}]O ₂ as high-voltage cathode for sodium-ion batteries: The capacity decay mechanism and Al ₂ O ₃ surface modification. Nano Energy, 2016, 27, 27-34.	8.2	255
44	High-performance radio frequency transistors based on diameter-separated semiconducting carbon nanotubes. Applied Physics Letters, 2016, 108, 233105.	1.5	18
45	High-Performance WSe ₂ Field-Effect Transistors <i>via</i> Controlled Formation of In-Plane Heterojunctions. ACS Nano, 2016, 10, 5153-5160.	7.3	135
46	In Situ and Ex Situ TEM Study of Lithiation Behaviours of Porous Silicon Nanostructures. Scientific Reports, 2016, 6, 31334.	1.6	43
47	A carbon nanofiber network for stable lithium metal anodes with high Coulombic efficiency and long cycle life. Nano Research, 2016, 9, 3428-3436.	5.8	120
48	Fully Screen-Printed, Large-Area, and Flexible Active-Matrix Electrochromic Displays Using Carbon Nanotube Thin-Film Transistors. ACS Nano, 2016, 10, 9816-9822.	7.3	183
49	Highly Sensitive and Quick Detection of Acute Myocardial Infarction Biomarkers Using In ₂ O ₃ Nanoribbon Biosensors Fabricated Using Shadow Masks. ACS Nano, 2016, 10, 10117-10125.	7.3	69
50	Synthesis of Graphene Nanoribbons by Ambient-Pressure Chemical Vapor Deposition and Device Integration. Journal of the American Chemical Society, 2016, 138, 15488-15496.	6.6	129
51	Carbon Nanotube Macroelectronics for Active Matrix Polymer-Dispersed Liquid Crystal Displays. ACS Nano, 2016, 10, 10068-10074.	7.3	44
52	Radio Frequency Transistors Using Aligned Semiconducting Carbon Nanotubes with Current-Gain Cutoff Frequency and Maximum Oscillation Frequency Simultaneously Greater than 70 GHz. ACS Nano, 2016, 10, 6782-6790.	7.3	63
53	A facile and low-cost length sorting of single-wall carbon nanotubes by precipitation and applications for thin-film transistors. Nanoscale, 2016, 8, 3467-3473.	2.8	32
54	Radio frequency transistors based on ultra-high purity semiconducting carbon nanotubes with superior extrinsic maximum oscillation frequency. Nano Research, 2016, 9, 363-371.	5.8	26

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55	Imperceptible and Ultraflexible p-Type Transistors and Macroelectronics Based on Carbon Nanotubes. ACS Nano, 2016, 10, 199-206.	7.3	43
56	Facile Five-Step Heteroepitaxial Growth of GaAs Nanowires on Silicon Substrates and the Twin Formation Mechanism. ACS Nano, 2016, 10, 2424-2435.	7.3	19
57	Silicon(lithiated)â€“sulfur full cells with porous silicon anode shielded by Nafion against polysulfides to achieve high capacity and energy density. Nano Energy, 2016, 19, 68-77.	8.2	77
58	(9,8) Singleâ€“Walled Carbon Nanotube Enrichment via Aqueous Twoâ€“Phase Separation and Their Thinâ€“Film Transistor Applications. Advanced Electronic Materials, 2015, 1, 1500151.	2.6	23
59	Black Arsenicâ€“Phosphorus: Layered Anisotropic Infrared Semiconductors with Highly Tunable Compositions and Properties. Advanced Materials, 2015, 27, 4423-4429.	11.1	378
60	Capacity retention behavior and morphology evolution of Si _x Ge _{1-x} nanoparticles as lithium-ion battery anode. Nanotechnology, 2015, 26, 255702.	1.3	13
61	Chemical Vapor Deposition Growth of Monolayer WSe ₂ with Tunable Device Characteristics and Growth Mechanism Study. ACS Nano, 2015, 9, 6119-6127.	7.3	340
62	Threshold voltage tuning and printed complementary transistors and inverters based on thin films of carbon nanotubes and indium zinc oxide. Nano Research, 2015, 8, 1159-1168.	5.8	22
63	Highly Scalable, Uniform, and Sensitive Biosensors Based on Top-Down Indium Oxide Nanoribbons and Electronic Enzyme-Linked Immunosorbent Assay. Nano Letters, 2015, 15, 1943-1951.	4.5	60
64	Step-Edge-Guided Nucleation and Growth of Aligned WSe ₂ on Sapphire <i>via</i> a Layer-over-Layer Growth Mode. ACS Nano, 2015, 9, 8368-8375.	7.3	168
65	SnO ₂ coated carbon cloth with surface modification as Na-ion battery anode. Nano Energy, 2015, 16, 399-407.	8.2	123
66	Reversible Semiconducting-to-Metallic Phase Transition in Chemical Vapor Deposition Grown Monolayer WSe ₂ and Applications for Devices. ACS Nano, 2015, 9, 7383-7391.	7.3	164
67	Redox Sorting of Carbon Nanotubes. Nano Letters, 2015, 15, 1642-1646.	4.5	85
68	Black Phosphorus Gas Sensors. ACS Nano, 2015, 9, 5618-5624.	7.3	599
69	Vapor-Phase Transport Deposition, Characterization, and Applications of Large Nanographenes. Journal of the American Chemical Society, 2015, 137, 4453-4459.	6.6	15
70	Mechanical and Electrical Anisotropy of Few-Layer Black Phosphorus. ACS Nano, 2015, 9, 11362-11370.	7.3	247
71	Tandem Solar Cells Using GaAs Nanowires on Si: Design, Fabrication, and Observation of Voltage Addition. Nano Letters, 2015, 15, 7217-7224.	4.5	114
72	Re-growth of single-walled carbon nanotube by hot-wall and cold-wall chemical vapor deposition. Carbon, 2015, 95, 497-502.	5.4	14

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73	Nearly Exclusive Growth of Small Diameter Semiconducting Single-Wall Carbon Nanotubes from Organic Chemistry Synthetic End-Cap Molecules. <i>Nano Letters</i> , 2015, 15, 586-595.	4.5	81
74	High-power lithium ion batteries based on flexible and light-weight cathode of $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ /carbon nanotube film. <i>Nano Energy</i> , 2015, 12, 43-51.	8.2	63
75	Sequential Administration of Carbon Nanotubes and Near-Infrared Radiation for the Treatment of Gliomas. <i>Frontiers in Oncology</i> , 2014, 4, 180.	1.3	29
76	Screen Printing as a Scalable and Low-Cost Approach for Rigid and Flexible Thin-Film Transistors Using Separated Carbon Nanotubes. <i>ACS Nano</i> , 2014, 8, 12769-12776.	7.3	179
77	Charge trapping in aligned single-walled carbon nanotube arrays induced by ionizing radiation exposure. <i>Journal of Applied Physics</i> , 2014, 115, 054506.	1.1	17
78	Large-Scale Fabrication, 3D Tomography, and Lithium-Ion Battery Application of Porous Silicon. <i>Nano Letters</i> , 2014, 14, 261-268.	4.5	213
79	Review of carbon nanotube nanoelectronics and macroelectronics. <i>Semiconductor Science and Technology</i> , 2014, 29, 073001.	1.0	106
80	Deposition, Characterization, and Thin-Film-Based Chemical Sensing of Ultra-long Chemically Synthesized Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2014, 136, 7555-7558.	6.6	103
81	GaAs Nanowire Array Solar Cells with Axial p-n Junctions. <i>Nano Letters</i> , 2014, 14, 3293-3303.	4.5	168
82	High-Performance Chemical Sensing Using Schottky-Contacted Chemical Vapor Deposition Grown Monolayer MoS_2 Transistors. <i>ACS Nano</i> , 2014, 8, 5304-5314.	7.3	610
83	Themed issue: flexible electronics. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1176.	2.7	5
84	Free-Standing $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ /Carbon Nanofiber Network Film as Lightweight and High-Power Cathode for Lithium Ion Batteries. <i>ACS Nano</i> , 2014, 8, 4876-4882.	7.3	56
85	Screw-Dislocation-Driven Growth of Two-Dimensional Few-Layer and Pyramid-like WSe_2 by Sulfur-Assisted Chemical Vapor Deposition. <i>ACS Nano</i> , 2014, 8, 11543-11551.	7.3	146
86	Patterning, Characterization, and Chemical Sensing Applications of Graphene Nanoribbon Arrays Down to 5 nm Using Helium Ion Beam Lithography. <i>ACS Nano</i> , 2014, 8, 1538-1546.	7.3	212
87	Enhanced Fabry-Perot resonance in GaAs nanowires through local field enhancement and surface passivation. <i>Nano Research</i> , 2014, 7, 1146-1153.	5.8	17
88	Aligned Epitaxial SnO_2 Nanowires on Sapphire: Growth and Device Applications. <i>Nano Letters</i> , 2014, 14, 3014-3022.	4.5	72
89	Large-scale complementary macroelectronics using hybrid integration of carbon nanotubes and IGZO thin-film transistors. <i>Nature Communications</i> , 2014, 5, 4097.	5.8	233
90	Ultrathin Surface Modification by Atomic Layer Deposition on High Voltage Cathode $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ for Lithium Ion Batteries. <i>Energy Technology</i> , 2014, 2, 159-165.	1.8	40

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91	Optical, electrical, and solar energy-conversion properties of gallium arsenide nanowire-array photoanodes. <i>Energy and Environmental Science</i> , 2013, 6, 1879.	15.6	102
92	Aligned carbon nanotubes: from controlled synthesis to electronic applications. <i>Nanoscale</i> , 2013, 5, 9483.	2.8	50
93	Chirality-Dependent Vapor-Phase Epitaxial Growth and Termination of Single-Wall Carbon Nanotubes. <i>Nano Letters</i> , 2013, 13, 4416-4421.	4.5	76
94	Comparative study of gel-based separated arc-discharge, HiPCO, and CoMoCAT carbon nanotubes for macroelectronic applications. <i>Nano Research</i> , 2013, 6, 906-920.	5.8	39
95	Coaxial Si/anodic titanium oxide/Si nanotube arrays for lithium-ion battery anodes. <i>Nano Research</i> , 2013, 6, 182-190.	5.8	27
96	Graphene-oxide-coated LiNi _{0.5} Mn _{1.5} O ₄ as high voltage cathode for lithium ion batteries with high energy density and long cycle life. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4083.	5.2	137
97	Scalable preparation of porous silicon nanoparticles and their application for lithium-ion battery anodes. <i>Nano Research</i> , 2013, 6, 174-181.	5.8	271
98	Review of Chemical Vapor Deposition of Graphene and Related Applications. <i>Accounts of Chemical Research</i> , 2013, 46, 2329-2339.	7.6	1,234
99	T-Gate Aligned Nanotube Radio Frequency Transistors and Circuits with Superior Performance. <i>ACS Nano</i> , 2013, 7, 4343-4350.	7.3	46
100	Hierarchical silicon nanowires-carbon textiles matrix as a binder-free anode for high-performance advanced lithium-ion batteries. <i>Scientific Reports</i> , 2013, 3, 1622.	1.6	136
101	Top-down Fabricated Polysilicon Nanoribbon Biosensor Chips for Cancer Diagnosis. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1569, 213-218.	0.1	1
102	High-Performance Organic-Inorganic Hybrid Photodetectors Based on P3HT:CdSe Nanowire Heterojunctions on Rigid and Flexible Substrates. <i>Advanced Functional Materials</i> , 2013, 23, 1202-1209.	7.8	213
103	Chirality-controlled synthesis of single-wall carbon nanotubes using vapour-phase epitaxy. <i>Nature Communications</i> , 2012, 3, 1199.	5.8	156
104	Electrical and Optical Characterization of Surface Passivation in GaAs Nanowires. <i>Nano Letters</i> , 2012, 12, 4484-4489.	4.5	183
105	Self-Aligned T-Gate High-Purity Semiconducting Carbon Nanotube RF Transistors Operated in Quasi-Ballistic Transport and Quantum Capacitance Regime. <i>ACS Nano</i> , 2012, 6, 6936-6943.	7.3	26
106	Toward Optimized Light Utilization in Nanowire Arrays Using Scalable Nanosphere Lithography and Selected Area Growth. <i>Nano Letters</i> , 2012, 12, 2839-2845.	4.5	80
107	Selective Synthesis and Device Applications of Semiconducting Single-Walled Carbon Nanotubes Using Isopropyl Alcohol as Feedstock. <i>ACS Nano</i> , 2012, 6, 7454-7462.	7.3	107
108	Rigid/Flexible Transparent Electronics Based on Separated Carbon Nanotube Thin-Film Transistors and Their Application in Display Electronics. <i>ACS Nano</i> , 2012, 6, 7412-7419.	7.3	135

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109	Role of Self-Assembled Monolayer Passivation in Electrical Transport Properties and Flicker Noise of Nanowire Transistors. ACS Nano, 2012, 6, 7352-7361.	7.3	48
110	Self-Aligned Fabrication of Graphene RF Transistors with T-Shaped Gate. ACS Nano, 2012, 6, 3371-3376.	7.3	66
111	Porous Doped Silicon Nanowires for Lithium Ion Battery Anode with Long Cycle Life. Nano Letters, 2012, 12, 2318-2323.	4.5	787
112	Vapor Trapping Growth of Single-Crystalline Graphene Flowers: Synthesis, Morphology, and Electronic Properties. Nano Letters, 2012, 12, 2810-2816.	4.5	180
113	Hierarchical Three-Dimensional ZnCo ₂ O ₄ Nanowire Arrays/Carbon Cloth Anodes for a Novel Class of High-Performance Flexible Lithium-Ion Batteries. Nano Letters, 2012, 12, 3005-3011.	4.5	967
114	Electric transport, reversible wettability and chemical sensing of single-crystalline zigzag Zn ₂ SnO ₄ nanowires. Journal of Materials Chemistry, 2011, 21, 17236.	6.7	39
115	Carbon Nanotube Memory by the Self-Assembly of Silicon Nanocrystals as Charge Storage Nodes. ACS Nano, 2011, 5, 7972-7977.	7.3	19
116	A biomimetic fabricated carbon nanotube synapse for prosthetic applications. , 2011, , .		14
117	Metal Contact Engineering and Registration-Free Fabrication of Complementary Metal-Oxide Semiconductor Integrated Circuits Using Aligned Carbon Nanotubes. ACS Nano, 2011, 5, 1147-1153.	7.3	66
118	Air-Stable Conversion of Separated Carbon Nanotube Thin-Film Transistors from p-Type to n-Type Using Atomic Layer Deposition of High- κ Oxide and Its Application in CMOS Logic Circuits. ACS Nano, 2011, 5, 3284-3292.	7.3	141
119	Radio Frequency and Linearity Performance of Transistors Using High-Purity Semiconducting Carbon Nanotubes. ACS Nano, 2011, 5, 4169-4176.	7.3	72
120	Selective Contact Anneal Effects on Indium Oxide Nanowire Transistors using Femtosecond Laser. Journal of Physical Chemistry C, 2011, 115, 17147-17153.	1.5	13
121	Large scale, highly conductive and patterned transparent films of silver nanowires on arbitrary substrates and their application in touch screens. Nanotechnology, 2011, 22, 245201.	1.3	397
122	Rapid, Label-Free, Electrical Whole Blood Bioassay Based on Nanobiosensor Systems. ACS Nano, 2011, 5, 9883-9891.	7.3	74
123	Control of Current Saturation and Threshold Voltage Shift in Indium Oxide Nanowire Transistors with Femtosecond Laser Annealing. ACS Nano, 2011, 5, 1095-1101.	7.3	32
124	Indium Oxide Nanospirals Made of Kinked Nanowires. ACS Nano, 2011, 5, 2155-2161.	7.3	55
125	Bulk Synthesis of Crystalline and Crystalline Core/Amorphous Shell Silicon Nanowires and Their Application for Energy Storage. ACS Nano, 2011, 5, 8383-8390.	7.3	53
126	Separated Carbon Nanotube Macroelectronics for Active Matrix Organic Light-Emitting Diode Displays. Nano Letters, 2011, 11, 4852-4858.	4.5	110

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127	Fully Printed Separated Carbon Nanotube Thin Film Transistor Circuits and Its Application in Organic Light Emitting Diode Control. Nano Letters, 2011, 11, 5301-5308.	4.5	189
128	Hybrid silicon-carbon nanostructured composites as superior anodes for lithium ion batteries. Nano Research, 2011, 4, 290-296.	5.8	63
129	Sensitization of hydrothermally grown single crystalline TiO ₂ nanowire array with CdSeS nanocrystals for photovoltaic applications. Nano Research, 2011, 4, 1181-1190.	5.8	13
130	Label-Free, Electrical Biomarker Detection Based on Nanowire Biosensors Utilizing Antibody Mimics as Capture Probes. Materials Research Society Symposia Proceedings, 2011, 1302, 7901.	0.1	0
131	Tailoring the crystal structure of individual silicon nanowires by polarized laser annealing. Nanotechnology, 2011, 22, 305709.	1.3	5
132	Continuous, Highly Flexible, and Transparent Graphene Films by Chemical Vapor Deposition for Organic Photovoltaics. ACS Nano, 2010, 4, 2865-2873.	7.3	1,148
133	Uniform, highly conductive, and patterned transparent films of a percolating silver nanowire network on rigid and flexible substrates using a dry transfer technique. Nano Research, 2010, 3, 564-573.	5.8	477
134	Inkjet printing of single-walled carbon nanotube/RuO ₂ nanowire supercapacitors on cloth fabrics and flexible substrates. Nano Research, 2010, 3, 594-603.	5.8	397
135	Synthesis and device applications of high-density aligned carbon nanotubes using low-pressure chemical vapor deposition and stacked multiple transfer. Nano Research, 2010, 3, 831-842.	5.8	89
136	2,4,6-Trinitrotoluene (TNT) Chemical Sensing Based on Aligned Single-Walled Carbon Nanotubes and ZnO Nanowires. Advanced Materials, 2010, 22, 1900-1904.	11.1	158
137	A Nanoelectronic Enzyme-Linked Immunosorbent Assay for Detection of Proteins in Physiological Solutions. Small, 2010, 6, 232-238.	5.2	52
138	Carbon nanotube nanoelectronics and macroelectronics. , 2010, , .		0
139	Oxygen plasma exposure effects on indium oxide nanowire transistors. Nanotechnology, 2010, 21, 145207.	1.3	13
140	The Race To Replace Tin-Doped Indium Oxide: Which Material Will Win?. ACS Nano, 2010, 4, 11-14.	7.3	764
141	Preparation and Characterization of Flexible Asymmetric Supercapacitors Based on Transition-Metal-Oxide Nanowire/Single-Walled Carbon Nanotube Hybrid Thin-Film Electrodes. ACS Nano, 2010, 4, 4403-4411.	7.3	729
142	Importance of Controlling Nanotube Density for Highly Sensitive and Reliable Biosensors Functional in Physiological Conditions. ACS Nano, 2010, 4, 6914-6922.	7.3	78
143	Macroelectronic Integrated Circuits Using High-Performance Separated Carbon Nanotube Thin-Film Transistors. ACS Nano, 2010, 4, 7123-7132.	7.3	136
144	Comparison of Graphene Growth on Single-Crystalline and Polycrystalline Ni by Chemical Vapor Deposition. Journal of Physical Chemistry Letters, 2010, 1, 3101-3107.	2.1	328

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145	Growth of Aligned Single-Crystalline Rutile TiO ₂ Nanowires on Arbitrary Substrates and Their Application in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7787-7792.	1.5	268
146	Top-down lithographic method for inducing strain in carbon nanotubes. <i>Journal of Applied Physics</i> , 2009, 106, 014306.	1.1	3
147	A nanoelectronic nose: a hybrid nanowire/carbon nanotube sensor array with integrated micromachined hotplates for sensitive gas discrimination. <i>Nanotechnology</i> , 2009, 20, 125503.	1.3	75
148	Soft Transfer Printing of Chemically Converted Graphene. <i>Advanced Materials</i> , 2009, 21, 2098-2102.	11.1	177
149	Rapid and label-free cell detection by metal-cluster-decorated carbon nanotube biosensors. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2967-2972.	5.3	43
150	Wafer-Scale Fabrication of Separated Carbon Nanotube Thin-Film Transistors for Display Applications. <i>Nano Letters</i> , 2009, 9, 4285-4291.	4.5	390
151	Scalable Light-Induced Metal to Semiconductor Conversion of Carbon Nanotubes. <i>Nano Letters</i> , 2009, 9, 3592-3598.	4.5	48
152	A Calibration Method for Nanowire Biosensors to Suppress Device-to-Device Variation. <i>ACS Nano</i> , 2009, 3, 3969-3976.	7.3	118
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154	Label-Free, Electrical Detection of the SARS Virus N-Protein with Nanowire Biosensors Utilizing Antibody Mimics as Capture Probes. <i>ACS Nano</i> , 2009, 3, 1219-1224.	7.3	203
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