

Po-Chiang Chen

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

3,025
citations

361413

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713466

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times ranked

5415
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric transport, reversible wettability and chemical sensing of single-crystalline zigzag Zn ₂ SnO ₄ nanowires. <i>Journal of Materials Chemistry</i> , 2011, 21, 17236.	6.7	39
2	Indium Oxide Nanospirals Made of Kinked Nanowires. <i>ACS Nano</i> , 2011, 5, 2155-2161.	14.6	55
3	Bulk Synthesis of Crystalline and Crystalline Core/Amorphous Shell Silicon Nanowires and Their Application for Energy Storage. <i>ACS Nano</i> , 2011, 5, 8383-8390.	14.6	53
4	Separated Carbon Nanotube Macroelectronics for Active Matrix Organic Light-Emitting Diode Displays. <i>Nano Letters</i> , 2011, 11, 4852-4858.	9.1	110
5	Hybrid silicon-carbon nanostructured composites as superior anodes for lithium ion batteries. <i>Nano Research</i> , 2011, 4, 290-296.	10.4	63
6	2,4,6-Trinitrotoluene (TNT) Chemical Sensing Based on Aligned Single-Walled Carbon Nanotubes and ZnO Nanowires. <i>Advanced Materials</i> , 2010, 22, 1900-1904.	21.0	158
7	Preparation and Characterization of Flexible Asymmetric Supercapacitors Based on Transition-Metal-Oxide Nanowire/Single-Walled Carbon Nanotube Hybrid Thin-Film Electrodes. <i>ACS Nano</i> , 2010, 4, 4403-4411.	14.6	729
8	A nanoelectronic nose: a hybrid nanowire/carbon nanotube sensor array with integrated micromachined hotplates for sensitive gas discrimination. <i>Nanotechnology</i> , 2009, 20, 125503.	2.6	75
9	A Calibration Method for Nanowire Biosensors to Suppress Device-to-Device Variation. <i>ACS Nano</i> , 2009, 3, 3969-3976.	14.6	118
10	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.	14.6	203
11	Vapor-Solid Growth of One-Dimensional Layer-Structured Gallium Sulfide Nanostructures. <i>ACS Nano</i> , 2009, 3, 1115-1120.	14.6	111
12	Devices and chemical sensing applications of metal oxide nanowires. <i>Journal of Materials Chemistry</i> , 2009, 19, 828-839.	6.7	301
13	Transparent Electronics Based on Transfer Printed Aligned Carbon Nanotubes on Rigid and Flexible Substrates. <i>ACS Nano</i> , 2009, 3, 73-79.	14.6	265
14	Flexible and transparent supercapacitor based on In ₂ O ₃ nanowire/carbon nanotube heterogeneous films. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	173
15	High-Performance Single-Crystalline Arsenic-Doped Indium Oxide Nanowires for Transparent Thin-Film Transistors and Active Matrix Organic Light-Emitting Diode Displays. <i>ACS Nano</i> , 2009, 3, 3383-3390.	14.6	88
16	Gate-Type Field-Effect Transistors of Single-Crystal Zinc Telluride Nanobelts. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9469-9471.	13.8	41
17	Chemical Sensors and Electronic Noses Based on 1-D Metal Oxide Nanostructures. <i>IEEE Nanotechnology Magazine</i> , 2008, 7, 668-682.	2.0	151
18	Transparent Active Matrix Organic Light-Emitting Diode Displays Driven by Nanowire Transistor Circuitry. <i>Nano Letters</i> , 2008, 8, 997-1004.	9.1	213

#	ARTICLE	IF	CITATIONS
19	Bicrystalline Zn ₃ P ₂ and Cd ₃ P ₂ Nanobelts and Their Electronic Transport Properties. Chemistry of Materials, 2008, 20, 7319-7323.	6.7	34
20	Single-Crystalline and Twinned Zn ₃ P ₂ Nanowires: Synthesis, Characterization, and Electronic Properties. Journal of Physical Chemistry C, 2008, 112, 16405-16410.	3.1	39
21	High performance In ₂ O ₃ nanowire transistors using organic gate nanodielectrics. Device Research Conference, IEEE Annual, 2007, , .	0.0	0