

Yifan Gao

List of Publications by Year in descending order

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14
papers

3,152
citations

623188

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1058022

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times ranked

3732
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Silicon-Carbon Nanotube Coaxial Sponge as Li-Ion Anodes with High Areal Capacity. <i>Advanced Energy Materials</i> , 2011, 1, 523-527. | 10.2 | 220 |
| 2 | Output of an ultrasonic wave-driven nanogenerator in a confined tube. <i>Nano Research</i> , 2009, 2, 177-182. | 5.8 | 25 |
| 3 | Equilibrium piezoelectric potential distribution in a deformed ZnO nanowire. <i>Nano Research</i> , 2009, 2, 624-629. | 5.8 | 97 |
| 4 | Converse Piezoelectric Effect Induced Transverse Deflection of a Free-Standing ZnO Microbelt. <i>Nano Letters</i> , 2009, 9, 2661-2665. | 4.5 | 22 |
| 5 | Piezoelectric Nanogenerator Using p-Type ZnO Nanowire Arrays. <i>Nano Letters</i> , 2009, 9, 1223-1227. | 4.5 | 390 |
| 6 | Equilibrium Potential of Free Charge Carriers in a Bent Piezoelectric Semiconductive Nanowire. <i>Nano Letters</i> , 2009, 9, 1103-1110. | 4.5 | 332 |
| 7 | Piezoelectric Potential Gated Field-Effect Transistor Based on a Free-Standing ZnO Wire. <i>Nano Letters</i> , 2009, 9, 3435-3439. | 4.5 | 132 |
| 8 | Elastic Properties and Buckling of Silicon Nanowires. <i>Advanced Materials</i> , 2008, 20, 3919-3923. | 11.1 | 119 |
| 9 | Flexible Piezotronic Strain Sensor. <i>Nano Letters</i> , 2008, 8, 3035-3040. | 4.5 | 742 |
| 10 | Piezoelectric Nanogenerators for Self-Powered Nanodevices. <i>IEEE Pervasive Computing</i> , 2008, 7, 49-55. | 1.1 | 72 |
| 11 | Piezoelectric-Potential-Controlled Polarity-Reversible Schottky Diodes and Switches of ZnO Wires. <i>Nano Letters</i> , 2008, 8, 3973-3977. | 4.5 | 279 |
| 12 | Mechanical-Electrical Triggers and Sensors Using Piezoelectric Micowires/Nanowires. <i>Nano Letters</i> , 2008, 8, 2725-2730. | 4.5 | 126 |
| 13 | Electrostatic Potential in a Bent Piezoelectric Nanowire. The Fundamental Theory of Nanogenerator and Nanopiezotronics. <i>Nano Letters</i> , 2007, 7, 2499-2505. | 4.5 | 555 |
| 14 | Facets and surface relaxation of tetrahedral platinum nanocrystals. <i>Applied Physics Letters</i> , 2007, 91, . | 1.5 | 41 |