

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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docs citations

14
times ranked

3732
citing authors

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