

Zheng Fan

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

558
citations

1307594

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h-index

1588992

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g-index

26
all docs

26
docs citations

26
times ranked

1268
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of WS ₂ /Se Alloy Nanosheets with Composition-Tunable Electronic Properties. Nano Letters, 2016, 16, 264-269.	9.1	308
2	Modeling and simulation of an ultrasensitive electron tunneling position/force nanosensor. RSC Advances, 2016, 6, 8297-8302.	3.6	0
3	Nanotube fountain pen: Towards 3D manufacturing of metallic nanostructures. Carbon, 2015, 86, 280-287.	10.3	14
4	Sliding Probe Methods for <i>In Situ</i> Nanorobotic Characterization of Individual Nanostructures. IEEE Transactions on Robotics, 2015, 31, 12-18.	10.3	6
5	Internal Electron Tunneling Enabled Ultrasensitive Position/Force Peapod Sensors. Nano Letters, 2015, 15, 7281-7287.	9.1	11
6	In situ investigation of nanoelectrochemical systems. , 2014, , .		1
7	Nanorobotic end-effectors: Design, fabrication, and in situ characterization. , 2014, , .		0
8	In situ forming, characterization, and transduction of nanowire memristors. Nanoscale, 2013, 5, 12310.	5.6	48
9	Biotemplating fabrication, mechanical and electrical characterizations of NbC nanowire arrays from the bamboo substrate. Journal of Alloys and Compounds, 2013, 560, 142-146.	5.5	33
10	Carbon nanogears and nanotori via combustion flames. , 2013, , .		0
11	Nanorobotic Mass Transport. , 2013, , 137-153.		0
12	An inter-segment tunneling nanoscale force sensor: Modeling and simulation. , 2013, , .		0
13	Nanorobotic in situ characterization of nanowire memristors and <i>in situ</i> memsensing, , 2013, , .		0
14	Nanorobotic mass transport. , 2012, , .		3
15	Resistive switching in copper oxide nanowire-based memristor. , 2012, , .		8
16	Metal-filled carbon nanotube based optical nanoantennas: bubbling, reshaping, and in situ characterization. Nanoscale, 2012, 4, 5673.	5.6	22
17	TaC Nanowire/Activated Carbon Microfiber Hybrid Structures from Bamboo Fibers. Advanced Energy Materials, 2011, 1, 534-539.	19.5	87
18	Electromigration-based deposition enabled by nanorobotic manipulation inside a transmission electron microscope. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
19	Towards nanotube fountain pen. , 2011, , .		1
20	Multiple robot simultaneous localization and mapping. , 2011, , .		2
21	Multiple-objective motion planning for unmanned aerial vehicles. , 2011, , .		4
22	In situ electrical property characterization of individual nanostructures using a sliding probe inside a transmission electron microscope. , 2010, , .		2
23	Shaping the nanostructures from electromigration-based deposition. , 2010, , .		5
24	Molecular nanosensors based on the inter-sheet tunneling effect of a bilayer graphene. , 2010, , .		2