Gen-Wen Hsieh

List of Publications by Year
in descending order

23 papers	1,324 citations	840776 11 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	2891 citing authors

#	Article	IF	Citations
1	Porous Polydimethylsiloxane Elastomer Hybrid with Zinc Oxide Nanowire for Wearable, Wide-Range, and Low Detection Limit Capacitive Pressure Sensor. Nanomaterials, 2022, 12, 256.	4.1	16
2	Enhanced piezocapacitive response in zinc oxide tetrapodâ€“poly(dimethylsiloxane) composite dielectric layer for flexible and ultrasensitive pressure sensor. Nanoscale, 2021, 13, 6076-6086.	5.6	22
3	Electrostatic polyester air filter composed of conductive nanowires and photocatalytic nanoparticles for particulate matter removal and formaldehyde decomposition. Environmental Science: Nano, 2020, 7, 3746-3758.	4.3	12
4	Graphene-induced enhancement of charge carrier mobility and air stability in organic polythiophene field effect transistors. Organic Electronics, 2018, 54, 27-33.	2.6	14
5	Germanium nanowire/conjugated semiconductor nanocomposite field effect transistors. Organic Electronics, 2018, 57, 269-276.	2.6	3
6	Electronic Transport and Light Response of Air-Stable n-Type Organic Chlorophenyl-Substituted Perylene Diimide Microribbons. IEEE Transactions on Electron Devices, 2017, 64, 2935-2941.	3.0	1
7	N-Channel Zinc Oxide Nanowire:Perylene Diimide Blend Organic Thin Film Transistors. IEEE Journal of the Electron Devices Society, 2017, 5, 367-371.	2.1	6
8	Dual layer semiconducting nanocomposite of silicon nanowire and polythiophene for organic-based field effect transistors. Organic Electronics, 2016, 35, 158-163.	2.6	7
9	Air-stable N-type organic microribbon transistors based on perylene diimides derivatives. , 2015, , .		0
10	Zinc Oxide Nanowire-Poly(Methyl Methacrylate) Dielectric Layers for Polymer Capacitive Pressure Sensors. ACS Applied Materials & Interfaces, 2015, 7, 45-50.	8.0	64
11	Stretched Contact Printing of One-Dimensional Nanostructures for Hybrid Inorganicâ€“Organic Field Effect Transistors. Journal of Physical Chemistry C, 2012, 116, 7118-7125.	3.1	25
12	Inkjet-Printed Graphene Electronics. ACS Nano, 2012, 6, 2992-3006.	14.6	1,018
13	Thin-film transistors based on poly(3,3â€´-dialkyl-quarterthiophene) and zinc oxide nanowires with improved ambient stability. Applied Physics Letters, 2011, 98, 102106.	3.3	3
14	High performance nanocomposite thin film transistors with bilayer carbon nanotube-polythiophene active channel by ink-jet printing. Journal of Applied Physics, 2009, 106, .	2.5	40
15	Corrections to â€œZinc Oxide Nanostructures and High Electron Mobility Nanocomposite Thin Film Transistorsâ€•[Nov 08 3001-3011. IEEE Transactions on Electron Devices, 2009, 56, 156-156.	3.0	3
16	Zinc Oxide Nanostructures and High Electron Mobility Nanocomposite Thin Film Transistors. IEEE Transactions on Electron Devices, 2008, 55, 3001-3011.	3.0	46
17	Selective local synthesis of nanowires on a microreactor chip. Sensors and Actuators A: Physical, 2006, 130-131, 625-632.	4.1	17
18	Fabrication of individual aligned carbon nanotube for scanning probe microscope. Journal of Physics: Conference Series, 2005, 10, 186-189.	0.4	2

#	Article	IF	Citations
19	Anodic bonding of glass and silicon wafers with an intermediate silicon nitride film and its application to batch fabrication of SPM tip arrays. Microelectronics Journal, 2005, 36, 678-682.	2.0	12
20	Selective carbon nanotube growth on silicon tips with the soft electrostatic force bonding and catalyst transfer concepts. Nanotechnology, 2005, 16, S296-S299.	2.6	5
21	Microstructuring characteristics of a chemically amplified photoresist synthesized for ultra-thick UV-LIGA applications. Journal of Micromechanics and Microengineering, 2004, 14, 1126-1134.	2.6	8
22	Selective local synthesis of nanowires on a microreactor chip. , 0, , .		0
23	A liquid-based gravity-driven etching-stop technique and its application to wafer level cantilever thickness control of AFM probes. , 0, , .		0