

Gen-Wen Hsieh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1656470/publications.pdf>

Version: 2024-02-01

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	Inkjet-Printed Graphene Electronics. ACS Nano, 2012, 6, 2992-3006.	14.6	1,018
2	Zinc Oxide Nanowire-Poly(Methyl Methacrylate) Dielectric Layers for Polymer Capacitive Pressure Sensors. ACS Applied Materials & Interfaces, 2015, 7, 45-50.	8.0	64
3	Zinc Oxide Nanostructures and High Electron Mobility Nanocomposite Thin Film Transistors. IEEE Transactions on Electron Devices, 2008, 55, 3001-3011.	3.0	46
4	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
5	Stretched Contact Printing of One-Dimensional Nanostructures for Hybrid Inorganic-Organic Field Effect Transistors. Journal of Physical Chemistry C, 2012, 116, 7118-7125.	3.1	25
6	Enhanced piezocapacitive response in zinc oxide tetrapod-poly(dimethylsiloxane) composite dielectric layer for flexible and ultrasensitive pressure sensor. Nanoscale, 2021, 13, 6076-6086.	5.6	22
7	Selective local synthesis of nanowires on a microreactor chip. Sensors and Actuators A: Physical, 2006, 130-131, 625-632.	4.1	17
8	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
9	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
10	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
11	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
12	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
13	Dual layer semiconducting nanocomposite of silicon nanowire and polythiophene for organic-based field effect transistors. Organic Electronics, 2016, 35, 158-163.	2.6	7
14	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
15	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
16	Corrections to "Zinc Oxide Nanostructures and High Electron Mobility Nanocomposite Thin Film Transistors" [Nov 08 3001-3011. IEEE Transactions on Electron Devices, 2009, 56, 156-156.	3.0	3
17	Thin-film transistors based on poly(3,3'-dialkyl-quarterthiophene) and zinc oxide nanowires with improved ambient stability. Applied Physics Letters, 2011, 98, 102106.	3.3	3
18	Germanium nanowire/conjugated semiconductor nanocomposite field effect transistors. Organic Electronics, 2018, 57, 269-276.	2.6	3

#	ARTICLE	IF	CITATIONS
19	Fabrication of individual aligned carbon nanotube for scanning probe microscope. Journal of Physics: Conference Series, 2005, 10, 186-189.	0.4	2
20	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
21	Selective local synthesis of nanowires on a microreactor chip. , 0, , .		0
22	A liquid-based gravity-driven etching-stop technique and its application to wafer level cantilever thickness control of AFM probes. , 0, , .		0
23	Air-stable N-type organic microribbon transistors based on perylene diimides derivatives. , 2015, , .		0