Babak Nasr

List of Publications by Year
in descending order

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21 papers	553 citations	759233 12 h-index	794594 19 g-index
22 all docs	22 docs citations	22 times ranked	1159 citing authors

#	Article	IF	Citations
1	Solution-processed oxide semiconductor SnO in p-channel thin-film transistors. Journal of Materials Chemistry, 2012, 22, 4607.	6.7	106
2	Highâ€Speed, Lowâ€Voltage, and Environmentally Stable Operation of Electrochemically Gated Zinc Oxide Nanowire Fieldâ€Effect Transistors. Advanced Functional Materials, 2013, 23, 1750-1758.	14.9	86
3	Electrical resistivity of nanocrystalline Al-doped zinc oxide films as a function of Al content and the degree of its segregation at the grain boundaries. Journal of Applied Physics, 2010, 108, .	2.5	72
4	A Silk Fibroin Bio-Transient Solution Processable Memristor. Scientific Reports, 2017, 7, 14731.	3.3	47
5	Direct Electrohydrodynamic Patterning of High-Performance All Metal Oxide Thin-Film Electronics. ACS Nano, 2019, 13, 13957-13964.	14.6	34
6	Generation of Vestibular Tissue-Like Organoids From Human Pluripotent Stem Cells Using the Rotary Cell Culture System. Frontiers in Cell and Developmental Biology, 2019, 7, 25.	3.7	30
7	Lab on a chip sensor for rapid detection and antibiotic resistance determination of Staphylococcus aureus. Analyst, The, 2016, 141, 1922-1929.	3.5	28
8	Self-Organized Nanostructure Modified Microelectrode for Sensitive Electrochemical Glutamate Detection in Stem Cells-Derived Brain Organoids. Biosensors, 2018, 8, 14.	4.7	28
9	Temperature tolerance study of high performance electrochemically gated SnO2 nanowire field-effect transistors. Journal of Materials Chemistry C, 2013, 1, 2534.	5.5	16
10	Fully Solution-Processed Transparent Artificial Neural Network Using Drop-On-Demand Electrohydrodynamic Printing. ACS Applied Materials & Interfaces, 2019, 11, 17521-17530.	8.0	16
11	Rapid, Highâ€Resolution Magnetic Microscopy of Single Magnetic Microbeads. Small, 2019, 15, 1805159.	10.0	16
12	Graphene foam as a biocompatible scaffold for culturing human neurons. Royal Society Open Science, 2018, 5, 171364.	2.4	14
13	Vertical Nanowire Electrode Arrays as Novel Electrochemical Labelâ€Free Immunosensors. Small, 2015, 11, 2862-2868.	10.0	12
14	GFAP Antibody Detection Using Interdigital Coplanar Waveguide Immunosensor. IEEE Sensors Journal, 2016, 16, 2898-2905.	4.7	11
15	Facile fabrication of electrolyte-gated single-crystalline cuprous oxide nanowire field-effect transistors. Nanotechnology, 2016, 27, 415205.	2.6	9
16	A Label-Free, Quantitative Fecal Hemoglobin Detection Platform for Colorectal Cancer Screening. Biosensors, 2017, 7, 19.	4.7	9
17	Facile fabrication of an electrolyte-gated In ₂ O ₃ nanoparticle-based thin-film transistor uniting laser ablation and inkjet printing. Flexible and Printed Electronics, 2018, 3, 042001.	2.7	6
18	Cathodoluminescence as a probe of the optical properties of resonant apertures in a metallic film. Beilstein Journal of Nanotechnology, 2018, 9, 1491-1500.	2.8	5

#	Article	IF	Citations
19	Negative differential resistance in planar graphene quantum dot resonant tunneling diodes. , 2017, , .		1
20	A Fully Printed Backscatter Radio Transceiver. , 2019, , .		1
21	Magnetic Materials: Rapid, Highâ€Resolution Magnetic Microscopy of Single Magnetic Microbeads (Small) Tj ETQq1 1 0.784314 rgBT /C	10.0	0