

# Babak Nasr

## List of Publications by Year in descending order

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Version: 2024-02-01

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	A Fully Printed Backscatter Radio Transceiver. , 2019, , .		1
2	Magnetic Materials: Rapid, High-Resolution Magnetic Microscopy of Single Magnetic Microbeads (Small) Tj ETQq0,0,0 rgBT/Overlock	10.0	0
3	Fully Solution-Processed Transparent Artificial Neural Network Using Drop-On-Demand Electrohydrodynamic Printing. ACS Applied Materials & Interfaces, 2019, 11, 17521-17530.	8.0	16
4	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
5	Rapid, High-Resolution Magnetic Microscopy of Single Magnetic Microbeads. Small, 2019, 15, 1805159.	10.0	16
6	Direct Electrohydrodynamic Patterning of High-Performance All Metal Oxide Thin-Film Electronics. ACS Nano, 2019, 13, 13957-13964.	14.6	34
7	Graphene foam as a biocompatible scaffold for culturing human neurons. Royal Society Open Science, 2018, 5, 171364.	2.4	14
8	Facile fabrication of an electrolyte-gated In <sub>2</sub> O <sub>3</sub> nanoparticle-based thin-film transistor uniting laser ablation and inkjet printing. Flexible and Printed Electronics, 2018, 3, 042001.	2.7	6
9	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
10	Self-Organized Nanostructure Modified Microelectrode for Sensitive Electrochemical Glutamate Detection in Stem Cells-Derived Brain Organoids. Biosensors, 2018, 8, 14.	4.7	28
11	A Silk Fibroin Bio-Transient Solution Processable Memristor. Scientific Reports, 2017, 7, 14731.	3.3	47
12	Negative differential resistance in planar graphene quantum dot resonant tunneling diodes. , 2017, , .		1
13	A Label-Free, Quantitative Fecal Hemoglobin Detection Platform for Colorectal Cancer Screening. Biosensors, 2017, 7, 19.	4.7	9
14	Facile fabrication of electrolyte-gated single-crystalline cuprous oxide nanowire field-effect transistors. Nanotechnology, 2016, 27, 415205.	2.6	9
15	Lab on a chip sensor for rapid detection and antibiotic resistance determination of Staphylococcus aureus. Analyst, The, 2016, 141, 1922-1929.	3.5	28
16	GFAP Antibody Detection Using Interdigital Coplanar Waveguide Immunosensor. IEEE Sensors Journal, 2016, 16, 2898-2905.	4.7	11
17	Vertical Nanowire Electrode Arrays as Novel Electrochemical Label-Free Immunosensors. Small, 2015, 11, 2862-2868.	10.0	12
18	Temperature tolerance study of high performance electrochemically gated SnO <sub>2</sub> nanowire field-effect transistors. Journal of Materials Chemistry C, 2013, 1, 2534.	5.5	16

#	ARTICLE	IF	CITATIONS
19	High-Speed, Low-Voltage, and Environmentally Stable Operation of Electrochemically Gated Zinc Oxide Nanowire Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2013, 23, 1750-1758.	14.9	86
20	Solution-processed oxide semiconductor SnO in p-channel thin-film transistors. <i>Journal of Materials Chemistry</i> , 2012, 22, 4607.	6.7	106
21	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. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	72