

Farhad A Boroumand

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5842610/farhad-a-boroumand-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

592
citations

12
h-index

23
g-index

46
ext. papers

673
ext. citations

3.4
avg, IF

3.85
L-index

#	Paper	IF	Citations
40	Experimental and density functional theory computational studies on highly sensitive ethanol gas sensor based on Au-decorated ZnO nanoparticles. <i>Thin Solid Films</i> , 2022 , 741, 139014	2.2	0
39	Complex Dielectric Constant Extraction of Substrate Materials Using Cross-Resonator Method. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 71, 1-9	5.2	
38	Electrical and Environmental Degradation Causes and Effects in Polyfluorene-Based Polymer Light-Emitting Diodes. <i>Journal of Electronic Materials</i> , 2020 , 49, 3645-3651	1.9	1
37	Analytical transmission line model for complex dielectric constant measurement of thin substrates using T-resonator method. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 2027-2034	1.6	2
36	Polyfluorene copolymer /Al Schottky junction for UV-A photodetector with relatively high stability and photocurrent density. <i>Optics Communications</i> , 2020 , 458, 124809	2	8
35	Wireless, miniaturized, semi-implantable electrocorticography microsystem validated in vivo. <i>Scientific Reports</i> , 2020 , 10, 21261	4.9	1
34	Fabrication of a Room Temperature Ammonia Gas Sensor Based on Polyaniline With N-Doped Graphene Quantum Dots. <i>IEEE Sensors Journal</i> , 2018 , 18, 2245-2252	4	30
33	Effect of seed layers on low-temperature, chemical bath deposited ZnO nanorods-based near UV-OLED performance. <i>Ceramics International</i> , 2018 , 44, 4937-4945	5.1	22
32	Quality enhancement of AZO thin films at various thicknesses by introducing ITO buffer layer. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 9328-9337	2.1	9
31	Improved performance of photoconductive gain hybrid UV detector by trap state engineering of ZnO nanoparticles. <i>Journal of Applied Physics</i> , 2017 , 122, 154501	2.5	17
30	Design, fabrication, and test of flexible thin-film microelectrode arrays for neural interfaces 2017 ,		1
29	Comparison study of transparent RF-sputtered ITO/AZO and ITO/ZnO bilayers for near UV-OLED applications. <i>Applied Surface Science</i> , 2017 , 392, 549-556	6.7	39
28	Atomic and electronic structures of ZnO nanowires and nanotubes: A first principles study 2016 ,		1
27	Bulk-heterojunction polymer solar cells with polyaniline-silica nanocomposites as an efficient hole-collecting layer. <i>Journal of Nanophotonics</i> , 2016 , 10, 016011	1.1	3
26	Selective enhancement of intra-chain charge transport to improve ammonia sensing performance in polyaniline layers. <i>Electronic Materials Letters</i> , 2016 , 12, 107-112	2.9	11
25	Fabrication and Characterization of an Ammonia Gas Sensor Based on PEDOT-PSS With N-Doped Graphene Quantum Dots Dopant. <i>IEEE Sensors Journal</i> , 2016 , 16, 6149-6154	4	27
24	A Novel Material for Chemical Sensor Applications: Oxidized MEH-PPV. <i>Key Engineering Materials</i> , 2015 , 644, 12-15	0.4	

23	Low driving voltage characteristics of polyaniline/silica nanocomposites as hole-injection material of organic electroluminescent devices. <i>Materials Research Bulletin</i> , 2015 , 72, 29-34	5.1	7
22	Use of a New Blue Emitter in Color-Stable, Flexible, Polymeric White Light-Emitting Diodes with a Simple Structure. <i>Journal of Electronic Materials</i> , 2015 , 44, 2745-2753	1.9	3
21	Low driving voltage in polymer light-emitting diodes with CdS nanoparticles as an electron transport layer. <i>Journal of Nanophotonics</i> , 2015 , 9, 093081	1.1	9
20	Electrically conductive polyaniline as hole-injection layer for MEH-PPV:BT based polymer light emitting diodes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015 , 197, 25-30	3.1	20
19	Synthesis of Carboxylated Graphene Oxide/CdS Nanocomposite and Its Application on Photovoltaic Devices. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 684-689	5.1	3
18	Alternative model for injection-limited current into organic solids. <i>Journal of Photonics for Energy</i> , 2015 , 5, 057610	1.2	6
17	Optoelectronic characteristics of MEH-PPV + BT blend thin films in polymer light emitting diodes. <i>Semiconductor Science and Technology</i> , 2015 , 30, 065016	1.8	7
16	Environmental UV-A Level Monitoring Using an Ag-TiO ₂ Schottky Diode. <i>Key Engineering Materials</i> , 2013 , 543, 113-116	0.4	1
15	Large area Ag-TiO ₂ UV radiation sensor fabricated on a thermally oxidized titanium chip. <i>Sensors and Actuators A: Physical</i> , 2012 , 173, 116-121	3.9	38
14	Quantitative characterization of carrier injection across metal/organic interfaces using Bardeen theory. <i>Organic Electronics</i> , 2012 , 13, 905-913	3.5	6
13	Flexible PET/ITO electrode array for implantable biomedical applications. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 2878-81	0.9	7
12	Silver-Rutile UV Sensor Fabricated on Thermally Oxidized Titanium Foil. <i>Key Engineering Materials</i> , 2011 , 495, 18-22	0.4	
11	Influence of substrates on the structural and morphological properties of RF sputtered ITO thin films for photovoltaic application. <i>Thin Solid Films</i> , 2009 , 517, 2324-2327	2.2	43
10	High gain observed in X-ray induced currents in synthetic single crystal diamonds. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 3011-3016	1.6	9
9	IBIC characterization of charge transport in CdTe:Cl. <i>Semiconductors</i> , 2007 , 41, 395-401	0.7	10
8	Direct x-ray detection with conjugated polymer devices. <i>Applied Physics Letters</i> , 2007 , 91, 033509	3.4	54
7	Comments on "Epitaxially grown GaN thin-film SAW filter with high velocity and low insertion loss". <i>IEEE Transactions on Electron Devices</i> , 2006 , 53, 173-176	2.9	10
6	Nanoscale conjugated-polymer light-emitting diodes. <i>Nano Letters</i> , 2005 , 5, 67-71	11.5	129

5	Characterizing Joule Heating in Polymer Light-Emitting Diodes Using a Scanning Thermal Microscope. <i>Advanced Materials</i> , 2004 , 16, 252-256	24	36
4	Imaging Joule heating in a conjugated-polymer light-emitting diode using a scanning thermal microscope. <i>Applied Physics Letters</i> , 2004 , 84, 4890-4892	3-4	18
3	Observations of backgate impedance dispersion in GaAs isolation structures. <i>IEEE Transactions on Electron Devices</i> , 2001 , 48, 1850-1858	2.9	2
2	A comprehensive model of backgate impedance dispersions in GaAs isolation structures. <i>IEEE Transactions on Electron Devices</i> , 2001 , 48, 1859-1869	2.9	1
1	Very slow charge trapping and release in ion implanted GaAs [MESFETs]. <i>IEEE Transactions on Electron Devices</i> , 2000 , 47, 512-516	2.9	1