

Sukreen Hana Herman

List of Publications by Year in Descending Order

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

107
papers

388
citations

9
h-index

13
g-index

155
ext. papers

532
ext. citations

1
avg, IF

3.49
L-index

#	Paper	IF	Citations
107	Sensing and physical properties of ZnO nanostructures membrane. <i>Materials Today: Proceedings</i> , 2019 , 16, 1864-1870	1.4	
106	Transparent hybrid ZnO-graphene film for high stability switching behavior of memristor device. <i>Materials Science in Semiconductor Processing</i> , 2019 , 89, 68-76	4.3	15
105	Fabrication of integrated solid state electrode for extended gate-FET pH sensor. <i>Materials Research Express</i> , 2019 , 6, 016419	1.7	2
104	Crack-Free TiO ₂ Thin Film via Sol-Gel Dip Coating Method: Investigation on Molarity Effect. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 340, 012009	0.4	4
103	Quasi-distributed sol-gel coated fiber optic oxygen sensing probe. <i>Optical Fiber Technology</i> , 2018 , 41, 109-117	2.4	8
102	Resistive switching of Cu/Cu ₂ O junction fabricated using simple thermal oxidation at 423 K for memristor application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 290, 012088	0.4	2
101	Layer configurations comparison of bilayer-films for EGFET pH sensor application 2018 ,		1
100	Drying Temperature Dependence of Sol-gel Spin Coated Bilayer Composite ZnO/TiO ₂ Thin Films for Extended Gate Field Effect Transistor pH Sensor. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 340, 012018	0.4	3
99	Influence of Phase Change Material Concentration towards ZnO Thin Film for Solar Cell 2018 ,		1
98	Dilute electrodeposition of TiO ₂ and ZnO thin film memristors on Cu substrate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 340, 012006	0.4	1
97	Modified hyperbolic sine model for titanium dioxide-based memristive thin films. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 341, 012018	0.4	2
96	Titanium Dioxide-Based Memristive Thin Film: A Correlation Study Between the Experimental Work and Simulation Program With Integrated Circuit Emphasis Hyperbolic Sine Models. <i>IEEE Journal of the Electron Devices Society</i> , 2018 , 6, 1077-1090	2.3	1
95	Transfer of graphene onto Pt/Glass substrate for transparent and large area graphene film using low temperature water bath 2018 ,		1
94	Annealing Temperature Dependence of ZnO Nanostructures Grown by Facile Chemical Bath Deposition for EGFET pH Sensors. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 340, 012019	0.4	4
93	Fabrication and characterisation of fluidic based memristor sensor for liquid with hydroxyl group. <i>Sensing and Bio-Sensing Research</i> , 2017 , 14, 21-29	3.3	4
92	Application of K-Means clustering in hot spot detection for thermal infrared images 2017 ,		7
91	Fabrication of fluidic-based memristor sensor for dengue virus detection 2017 ,		3

90	Effect of annealing time on memristive behavior of sol-gel spincoated ZnO-based memristive device 2016 ,		3
89	THE INFLUENCE OF SOL-GEL COATED LENGTH AND WITHDRAWAL RATE ON PLASTIC OPTICAL FIBER CORE TOWARDS OXYGEN GAS SENSING SENSITIVITY. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016 , 78,	1.2	1
88	PH SENSITIVITY DEPENDENCY ON THE ANNEALING TEMPERATURE OF SPIN-COATED TITANIUM DIOXIDE THIN FILMS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016 , 78,	1.2	1
87	EGFET pH Sensor Performance Dependence on Sputtered TiO ₂ Sensing Membrane Deposition Temperature. <i>Journal of Sensors</i> , 2016 , 2016, 1-9	2	21
86	Spin Speed and Duration Dependence of TiO ₂ Thin Films pH Sensing Behavior. <i>Journal of Sensors</i> , 2016 , 2016, 1-8	2	2
85	Application of discrete wavelet transform in thermal infrared image processing 2016 ,		1
84	Characteristics of TiO ₂ /ZnO bilayer film towards pH sensitivity prepared by different spin coating deposition process 2016 ,		1
83	The effect of dip-coating speed on Graphene decorated ZnO films for memristor application 2016 ,		2
82	Optical pH sensor based on polyaniline sol-gel film immobilized with bromothymol blue and phenol red 2016 ,		3
81	Fabrication of Flexible Au/ZnO/ITO/PET Memristor Using Dilute Electrodeposition Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 99, 012002	0.4	5
80	High Roff/Ron ratio liquid based memristor sensor using sol gel spin coating technique 2015 ,		1
79	Effect of Post Deposition Annealing Process on the pH Sensitivity of Spin-Coated Titanium Dioxide Thin Film. <i>Applied Mechanics and Materials</i> , 2015 , 749, 197-201	0.3	1
78	Influence of Different Sol-gel Spin Coating Speed on Memristive Behaviour of Pt/TiO ₂ /ZnO/ITO Device. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 99, 012020	0.4	1
77	Transition Metal Oxide (TMO) Thin Film Memristor on Cu Substrate Using Dilute Electrodeposition Method. <i>Materials Transactions</i> , 2015 , 56, 1302-1306	1.3	4
76	Switching Behavior of Titania-Zinc Oxide Composites Thin Films. <i>Applied Mechanics and Materials</i> , 2015 , 749, 308-312	0.3	3
75	Annealing time dependence of the physical, electrical and pH response characteristics of spin coated TiO ₂ thin films. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 99, 012021	0.4	2
74	The Effect of the Sol-gel Spincoating Deposition Technique on the Memristive Behaviour of ZnO-based Memristive Device. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 99, 012022	0.4	3
73	Design and characterization of three stage CMOS op amps in 130nm technology with indirect feedback compensation technique 2015 ,		1

72	Resistive-based Sensor System for Prosthetic Fingers Application. <i>Procedia Computer Science</i> , 2015 , 76, 323-329	1.6	0
71	Comparison on TiO ₂ thin film deposition method for fluidic based glucose memristor sensor 2015 ,		10
70	Sensing capability of TiO ₂ thin films with different thicknesses as sensing membrane of EGFET pH sensor 2015 ,		3
69	Characterization of ROFF/RON ratio of fluidic based memristor sensor for pH detection 2015 ,		1
68	Effect of Annealing Time Process on the pH Sensitivity of Spin-coated TiO ₂ / ZnO Bilayer Film. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 99, 012019	0.4	1
67	Annealing temperature effect on the electrical characteristics and pH sensitivity of TiO ₂ /ZnO bilayer films 2015 ,		1
66	Integrated Readout Circuit Using Active Bridge For Resistive-Based Sensing. <i>Procedia Computer Science</i> , 2015 , 76, 430-435	1.6	1
65	2015 ,		4
64	Effect of indium concentration on optical and electrical properties of in doped ZnO thin films for gas sensing application 2014 ,		1
63	2014 ,		4
62	Annealing temperature dependence of resistive switching behavior for sol-gel spin coated zinc oxide thin films 2014 ,		2
61	Effect of annealing temperature on electrical properties of poly (methyl methacrylate): titanium dioxide nanocomposite films using spin coating deposition technique. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 64, 012051	0.4	2
60	Electrical Characterization of Metal-Ferroelectric-Insulator- Semiconductor having Double Layered Insulator for Memory Applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 64, 012053	0.4	1
59	Memristive behaviour of spin coated titania thin film. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 64, 012054	0.4	2
58	Effect of Post-Deposition Annealing Process on the Resistive Switching Behaviour of TiO ₂ Thin Films by Sol-Gel Method. <i>Advanced Materials Research</i> , 2014 , 925, 125-129	0.5	7
57	Gold-Catalyzed Growth of Aluminium-Doped Zinc Oxide Nanorods by Sputtering Method. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-7	3.2	4
56	Effect of Metal Catalyst Morphology on the Growth of Zinc Oxide Nanostructure by Thermal Vapor Deposition Method. <i>Advanced Materials Research</i> , 2014 , 925, 120-124	0.5	0
55	Industry-relevant content embedment for the electronics engineering curriculum: A case study 2014 ,		1

54	Electrical properties of tetrapod zinc oxide thin films deposited by thermal-CVD method 2014,		1
53	Extended gate field effect transistor (EGFET) integrated readout interfacing circuit for pH sensing 2014,		7
52	CMOS integrated readout circuit technique for EGFET based on biosensor application 2014,		2
51	Memristor in digital logic circuit: Fabrication and proof of concept 2014,		1
50	Effect of Oxygen Flow Rate on the Memristive Behavior of Reactively Sputtered TiO ₂ Thin Films. <i>Advanced Materials Research, 2014, 1024, 64-67</i>	0.5	2
49	Effect of Metal Catalysts Type and Annealing Time on the Growth of Zinc Oxide Nanostructures by Thermal Vapor Deposition Method. <i>Advanced Materials Research, 2014, 1024, 60-63</i>	0.5	
48	Emission performance of optical fibre dissolved oxygen sensor using various optical fibre materials and parameters 2014,		1
47	Hybrid organic-inorganic light emitting diode using ZnO nanorods as electron transport layer 2013,		3
46	Trends of deposition and patterning techniques of TiO ₂ for memristor based bio-sensing applications. <i>Microsystem Technologies, 2013, 19, 1889-1896</i>	1.7	12
45	Sputtered titanium dioxide thin film for Extended-Gate FET sensor application 2013,		11
44	Modeling and simulation of microscopic defects in CIS-based solar cell thin film using silvaco TCAD 2013,		2
43	2013,		2
42	Effect of catalyst on the fluorescence quenching of [Tris (4, 7-diphenyl-1, 10-phenanthroline) ruthenium (II) dichloride] for dissolved oxygen detection 2013,		1
41	Influence of metal catalyst for zinc oxide nanostructures grown by TCVD method for extended-gate FET sensor application 2013,		6
40	Performance evaluation of optical fiber sensor using different oxygen sensitive nano-materials 2013,		3
39	Effect of film thickness on the memristive behavior of spin coated titanium dioxide thin films 2013,		5
38	Electrical Properties Dependence on Substrate Temperature of Sputtered ZnO Nanoparticles Thin Films on Teflon Substrates. <i>Advanced Materials Research, 2013, 795, 403-406</i>	0.5	3
37	Effect of Electrode Types on the Resistive Switching Behavior of Titania Thin Films. <i>Applied Mechanics and Materials, 2013, 393, 74-78</i>	0.3	3

36	Effect of Seed Layer Morphology on the Growth of Zinc Oxide Nanotetrapods by Thermal Chemical Vapour Deposition Method. <i>Advanced Materials Research</i> , 2013 , 832, 429-433	0.5	1
35	Electrical Characterization of Metal Insulator Semiconductor Using ZnO Low Deposition Temperature as Semiconductor Layer. <i>Advanced Materials Research</i> , 2013 , 832, 270-275	0.5	1
34	Memristive Behavior of TiO ₂ Nanostructures Grown at Different Substrate Positioning by Immersion Method. <i>Advanced Materials Research</i> , 2013 , 795, 256-259	0.5	4
33	Influence of Different Types of Silanes on the Properties of Nanocomposite PMMA: TiO ₂ Thin Films. <i>Advanced Materials Research</i> , 2013 , 667, 255-259	0.5	
32	Effect of TiO ₂ Seed Layer Thickness to the Growth of TiO ₂ Nanostructures by Immersion Method for Memristive Device Application. <i>Applied Mechanics and Materials</i> , 2013 , 393, 63-67	0.3	3
31	Substrate Temperature Dependence on Sputtered Titania Thin Film. <i>Advanced Materials Research</i> , 2013 , 795, 294-298	0.5	1
30	Self-Catalyzed Thermal Chemical Vapor Deposited ZnO Nanotetrapods. <i>Advanced Materials Research</i> , 2013 , 832, 670-674	0.5	6
29	Characterization of Metal Insulator Semiconductor Capacitor with Poly(methyl methacrylate):Titanium Dioxide as Insulator. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 06GG02	1.4	1
28	An improved P+/N diode leakage current in BiCMOS technologies with fluorine co-implant 2012 ,		1
27	Substrate temperature dependence of nanoparticle ZnO thin films deposited on flexible substrates by RF magnetron sputtering 2012 ,		2
26	Effects of PMMA concentration on PMMA-based organic capacitor behavior 2012 ,		2
25	Studies on Initial Stage of High Temperature Oxidation of Fe - 9 to 12%Cr Alloys in Water Vapour Environment. <i>Advanced Materials Research</i> , 2012 , 557-559, 100-107	0.5	2
24	Dielectric and physical properties of PMMA:TiO ₂ thin films by varying TiO ₂ concentration 2012 ,		1
23	Effect of solution concentration on the morphology, electrical, and optical properties of MEH-PPV thin films 2012 ,		5
22	Memristor Spice model for designing analog circuit 2012 ,		5
21	Internal Oxidation of Ni-Cr-Al Alloys under Various Oxygen Partial Pressures at 1273 K. <i>Advanced Materials Research</i> , 2012 , 576, 429-433	0.5	1
20	Dielectric Properties of PVDF-TrFE/PMMA: TiO ₂ Multilayer Dielectric Thin Films. <i>Advanced Materials Research</i> , 2012 , 576, 582-585	0.5	6
19	Influence of Drying Temperature on the Structural, Optical, and Electrical Properties of Layer-by-Layer ZnO Nanoparticles Seeded Catalyst. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-7	3.2	10

18	Influence of Doping Concentration on Dielectric, Optical, and Morphological Properties of PMMA Thin Films. <i>Advances in Materials Science and Engineering</i> , 2012 , 2012, 1-4	1.5	9
17	Crystalline and Structural Properties Dependence on RF Power and Deposition Temperature of Sputtered Nanocrystalline Silicon Thin Films on Teflon and Glass Substrates. <i>Advanced Materials Research</i> , 2012 , 576, 475-479	0.5	
16	Effect of annealing duration on the memristive behavior of Pt/TiO ₂ /ITO memristive device 2012 ,		8
15	Physical characteristic of room-temperature deposited TiO ₂ thin films by RF magnetron sputtering at different RF power 2012 ,		3
14	A study of fluorine implant in the formation of low leakage P+/N junction in BiCMOS technologies 2012 ,		1
13	Structural Properties of Deposited ZnO Thin Films on Flexible Substrates at Various Substrate Temperatures and RF Power. <i>Advanced Materials Research</i> , 2012 , 576, 598-601	0.5	
12	Room-Temperature Deposition of Silicon Thin Films by RF Magnetron Sputtering. <i>Advanced Materials Research</i> , 2012 , 576, 543-547	0.5	5
11	Effect of Film Thickness on Structural, Electrical, and Optical Properties of Sol-Gel Deposited Layer-by-layer ZnO Nanoparticles. <i>Transactions on Electrical and Electronic Materials</i> , 2012 , 13, 102-105	1.7	3 ²
10	Electrical properties of spin coated PMMA for OFETs applications 2011 ,		2
9	Optical Properties and Surface Morphology of PMMA: TiO ₂ Nanocomposite Thin Films. <i>Advanced Materials Research</i> , 2011 , 364, 105-109	0.5	9
8	Effect of deposition temperature on the characteristics of Zinc Oxide nanoparticles thin films deposited by thermal chemical vapor deposition 2011 ,		2
7	Layer-by-Layer Nanoparticles ZnO Thin Films Prepared by Sol-Gel Method. <i>Advanced Materials Research</i> , 2011 , 403-408, 1178-1182	0.5	0
6	Optical and Electrical Characteristic of Layer-by-Layer Sol-Gel Spin Coated Nanoparticles ZnO Thin Films. <i>Advanced Materials Research</i> , 2011 , 364, 149-153	0.5	3
5	Low-Temperature Crystallization of Silicon Films Directly Deposited on Glass Substrates Covered with Yttria-Stabilized Zirconia Layers. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 105801	1.4	5
4	Low-temperature Fabrication of a Crystallized Si Film Deposited on a Glass Substrate using an Yttria-stabilized Zirconia Seed Layer. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1153, 1		
3	Enhancement of the crystalline quality of reactively sputtered yttria-stabilized zirconia by oxidation of the metallic target surface. <i>Thin Solid Films</i> , 2009 , 517, 5830-5836	2.2	7
2	Low Temperature Deposition and Crystallization of Silicon Film on an HF-Etched Polycrystalline Yttria-Stabilized Zirconia Layer Rinsed with Ethanol Solution. <i>Applied Physics Express</i> , 2009 , 2, 041201	2.4	3
1	Preparation of perovskite, Pb(Zr, Ti)O ₃ thin-films on YSZ(111)/Si(111) substrates by post-deposition annealing. <i>Thin Solid Films</i> , 2001 , 385, 293-297	2.2	13

