Himadri S Majumdar

List of Publications by Year
in descending order

50	1,479	304743	315739
papers	citations	22 h-index	38 g-index

52	52	52	2053
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High performance solution processed oxide thin-film transistors with inkjet printed Ag sourceâ€“drain electrodes. Journal of Materials Chemistry C, 2018, 6, 3220-3225.	5.5	20
2	Electrode Dependence of Tunneling Electroresistance and Switching Stability in Organic Ferroelectric P(VDFâ€“TrFE)â€Based Tunnel Junctions. Advanced Functional Materials, 2018, 28, 1703273.	14.9	38
3	Far-UV Annealed Inkjet-Printed In₂O₃ Semiconductor Layers for Thin-Film Transistors on a Flexible Polyethylene Naphthalate Substrate. ACS Applied Materials & Interfaces, 2017, 9, 8774-8782.	8.0	71
4	In₂O₃Thin-Film Transistors via Inkjet Printing for Depletion-Load nMOS Inverters. IEEE Electron Device Letters, 2016, 37, 445-448.	3.9	20
5	Flexographyâ€Printed In₂O₃ Semiconductor Layers for Highâ€Mobility Thinâ€Film Transistors on Flexible Plastic Substrate. Advanced Materials, 2015, 27, 7168-7175.	21.0	116
6	Electrical and thermal analysis of frequency dependent filamentary switching in printed rectifying diodes. Organic Electronics, 2015, 20, 69-75.	2.6	3
7	Observation of ferromagnetic ordering in conjugated polymers exhibiting OMAR effect. Organic Electronics, 2015, 21, 66-72.	2.6	10
8	Surface Functionalization of Ion-Sensitive Floating-Gate Field-Effect Transistors With Organic Electronics. IEEE Transactions on Electron Devices, 2015, 62, 1291-1298.	3.0	39
9	Interfacial Properties of Organic Semiconductorâ€“Inorganic Magnetic Oxide Hybrid Spintronic Systems Fabricated Using Pulsed Laser Deposition. ACS Applied Materials & Interfaces, 2015, 7, 22228-22237.	8.0	15
10	Gravure printed solâ€“gel derived AlOOH hybrid nanocomposite thin films for printed electronics. Journal of Materials Chemistry C, 2015, 3, 1776-1786.	5.5	9
11	High Throughput Electrochemical Method for Contact Optimization in Printed Rectifying Diodes. Materials Research Society Symposia Proceedings, 2014, 1628, 1.	0.1	0
12	COMPARATIVE STUDY OF SPIN INJECTION AND TRANSPORT IN Alq₃ AND Coâ€“PHTHALOCYANINE-BASED ORGANIC SPIN VALVES. Spin, 2014, 04, 1440009.	1.3	11
13	Modelling of printable metal-oxide TFTs for circuit simulation. , 2014, , .		0
14	Rapid low-temperature processing of metal-oxide thin film transistors with combined far ultraviolet and thermal annealing. Applied Physics Letters, 2014, 105, .	3.3	48
15	Effect of UV light and low temperature on solution-processed, high-performance metal-oxide semiconductors and TFTs. , 2014, , .		0
16	High rectifier output voltages with printed organic charge pump circuit. Organic Electronics, 2014, 15, 306-310.	2.6	20
17	Anodic Oxidation of Ultra-Thin Ti Layers on ITO Substrates and their Application in Organic Electronic Memory Elements. Electrochimica Acta, 2014, 137, 91-98.	5.2	12
18	Application of Paper-Supported Printed Gold Electrodes for Impedimetric Immunosensor Development. Biosensors, 2013, 3, 1-17.	4.7	34

#	Article	IF	Citations
19	Decay in spin diffusion length with temperature in organic semiconductorsâ€"An insight of possible mechanisms. Synthetic Metals, 2013, 173, 26-30.	3.9	13
20	Versatile characterization of thiol-functionalized printed metal electrodes on flexible substrates for cheap diagnostic applications. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4391-4397.	2.4	11
21	Effect of strain and grain boundaries on dielectric properties in La0.7Sr0.3MnO3 thin films. Journal of Materials Science, 2013, 48, 2115-2122.	3.7	16
22	Printed Half-Wave and Full-Wave Rectifier Circuits Based on Organic Diodes. IEEE Transactions on Electron Devices, 2013, 60, 870-874.	3.0	39
23	Organic Electronics. International Journal of Photoenergy, 2013, 2013, 1-1.	2.5	0
24	Large-scale Solution Processable Graphene-based Thin Film Devices. Materials Research Society Symposia Proceedings, 2012, 1407, 218.	0.1	4
25	On the origin of decay of spin current with temperature in organic spintronic devices. Organic Electronics, 2012, 13, 2653-2658.	2.6	24
26	Stress and defect induced enhanced low field magnetoresistance and dielectric constant in La0.7Sr0.3MnO3 thin films. Journal of Alloys and Compounds, 2012, 512, 332-339.	5.5	31
27	Enhanced Performance of Printed Organic Diodes Using a Thin Interfacial Barrier Layer. ACS Applied Materials & Interfaces, 2011, 3, 7-10.	8.0	23
28	Effect of dielectric barrier on rectification, injection and transport properties of printed organic diodes. Journal Physics D: Applied Physics, 2011, 44, 295301.	2.8	11
29	Ferromagnetism in indium tin-oxide (ITO) electrodes at room temperature. Synthetic Metals, 2010, 160, 303-306.	3.9	23
30	Role of electron-hole pair formation in organic magnetoresistance. Physical Review B, 2009, 79, .	3.2	56
31	Organic spin valves: effect of magnetic impurities on the spin transport properties of polymer spacers. New Journal of Physics, 2009, 11, 013022.	2.9	23
32	Towards printed magnetic sensors based on organic diodes. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2198-2201.	1.8	5
33	Hysteretic magnetoresistance in polymeric diodes. Physica Status Solidi - Rapid Research Letters, 2009, 3, 242-244.	2.4	18
34	Organic memory using [6,6]-phenyl-C61butyric acid methyl ester: morphology, thickness and concentration dependence studies. Nanotechnology, 2008, 19, 035203.	2.6	39
35	Imaging and Elemental Analysis of Polymer/Fullerene Nanocomposite Memory Devices. Materials Research Society Symposia Proceedings, 2008, 1071, 1.	0.1	0
36	Tuning the electrical switching of polymer/fullerene nanocomposite thin film devices by control of morphology. Applied Physics Letters, 2008, 93, .	3.3	64

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37	Surface modified high rectification organic diode based on sulfonated poly(aniline). Journal of Materials Chemistry, 2006, 16, 3014-3020.	6.7	9
38	Application of regioregular polythiophene in spintronic devices: Effect of interface. Applied Physics Letters, 2006, 89, 122114.	3.3	158
39	Comparing small molecules and polymer for future organic spin-valves. Journal of Alloys and Compounds, 2006, 423, 169-171.	5.5	78
40	Electrical bistability and memory applications of poly(p-phenylenevinylene) films. Synthetic Metals, 2006, 156, 828-832.	3.9	16
41	Comment on â€œMemory Effect and Negative Differential Resistance by Electrode-Induced Two-Dimensional Single-Electron Tunneling in Molecular and Organic Electronic Devicesâ€• Advanced Materials, 2006, 18, 2805-2806.	21.0	8
42	Fullerene-based bistable devices and associated negative differential resistance effect. Organic Electronics, 2005, 6, 188-192.	2.6	91
43	Memory applications of a thiophene-based conjugated polymer by photoluminescence measurements. Synthetic Metals, 2005, 148, 175-178.	3.9	17
44	Conductance switching and data-storage in oriented polymer-based devices: impedance characteristics. Thin Solid Films, 2004, 446, 296-300.	1.8	19
45	Photoluminescence measurements to study conductance switching and data storage in polythiophene based devices. Applied Physics Letters, 2004, 85, 2393-2395.	3.3	6
46	Switching and memory devices based on a polythiophene derivative for data-storage applications. Synthetic Metals, 2004, 140, 203-206.	3.9	34
47	Data-storage devices based on layer-by-layer self-assembled films of a phthalocyanine derivative. Organic Electronics, 2003, 4, 39-44.	2.6	50
48	Memory applications of a thiophene-based conjugated polymer: capacitance measurements. Journal Physics D: Applied Physics, 2003, 36, 211-215.	2.8	29
49	Memory device applications of a conjugated polymer: Role of space charges. Journal of Applied Physics, 2002, 91, 2433-2437.	2.5	94
50	Relaxation dynamics in light-emitting devices based on a poly(3-alkylthiophene) derivative: transient capacitance and transient electroluminescence studies. Synthetic Metals, 2002, 129, 275-279.	3.9	1