Mohammad Taghi Sharbati

List of Publications by Year
in descending order

20 papers	569 citations	1040056 9 h-index	940533 16 g-index
21 all docs	21 docs citations	21 times ranked	964 citing authors

#	Article	IF	Citations
1	Low‑Power, Electrochemically Tunable Graphene Synapses for Neuromorphic Computing. Advanced Materials, 2018, 30, e1802353.	21.0	209
2	Emerging Artificial Synaptic Devices for Neuromorphic Computing. Advanced Materials Technologies, 2019, 4, 1900037.	5.8	175
3	Assembly of Cyclometalated Platinum(II) Complexes via 1,1â€²-Bis(diphenylphosphino)ferrocene Ligand: Kinetics and Mechanisms. Organometallics, 2011, 30, 1466-1477.	2.3	27
4	Synthesis of Some New 1,4-Distyrylbenzenes Using Immobilized Palladium Nanoparticles on Silica Functionalized Morpholine as a Recyclable Catalyst. Synthesis, 2011, 2011, 1609-1615.	2.3	26
5	Electrical Transport and Power Dissipation in Aerosol-Jet-Printed Graphene Interconnects. Scientific Reports, 2018, 8, 10842.	3.3	25
6	Near-Infrared Organic Light-Emitting Diodes Based on Donor-pi-Acceptor Oligomers. IEEE Photonics Technology Letters, 2010, 22, 1695-1697.	2.5	20
7	Near infrared organic light-emitting diodes based on acceptorâ€"donorâ€"acceptor (ADA) using novel conjugated isatin Schiff bases. Journal of Luminescence, 2011, 131, 553-558.	3.1	20
8	Near-infrared electroluminescence from organic light emitting diode based on Imine oligomer with low turn on voltage. Optik, 2013, 124, 52-54.	2.9	12
9	Blue to red electroluminescence emission from organic light-emitting diodes based on π-conjugated organic semiconductor materials. Journal of Photonics for Energy, 2014, 4, 043599.	1.3	11
10	Artificial Synapses: Low‑Power, Electrochemically Tunable Graphene Synapses for Neuromorphic Computing (Adv. Mater. 36/2018). Advanced Materials, 2018, 30, 1870273.	21.0	11
11	Low‑Voltage Electrochemical $Li_x WO_3$ Synapses with Temporal Dynamics for Spiking Neural Networks. Advanced Intelligent Systems, 2021, 3, 2100021.	6.1	9
12	Efficient NIR emission from organic light-emitting devices based on acceptor-donor-acceptor (A-D-A) and donor-acceptor-donor (D-A-D) oligomers. Optics Express, 2011, 19, 3619.	3.4	8
13	(Bi0.2Sb0.8)2Te3 based dynamic synapses with programmable spatio-temporal dynamics. APL Materials, 2019, 7, 101107.	5.1	8
14	Fabrication and electrical characterization of red organic light emitting diode using an isatin derivative as an organic chromophore. Optical Engineering, 2011, 50, 044002.	1.0	3
15	Electroluminescence From Polar Nonlinear Optical Chromophore With Low Turn-On Voltage. Journal of Display Technology, 2011, 7, 181-185.	1.2	2
16	Injection of 2D electron gas into a quantum-dot organic light-emitting diode structure on silicon substrate. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, 06KJ01.	1.2	2
17	Fabrication of a near infrared OLED. , 2009, , .		1
18	Fabrication of a near infrared OLED using a new organic chromophore. , 2009, , .		0

#	Article	IF	Citations
19	Electrical Characterization of NIR OLED Fabricated Using a Linear Oligomer. , 2010, , .		0
20	Energy-Efficient, Two-Dimensional Analog Memory for Neuromorphic Computing. , 2018, , .		0