

Ashkan Wakilipour Takaloo

List of Publications by Year in descending order

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papers

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times ranked

238
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of nickel cobaltite quasi-hexagonal nanosheets for multilevel resistive switching and synaptic learning applications. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	46
2	Rational design of a main chain conjugated copolymer having donor-acceptor heterojunctions and its application in indoor photovoltaic cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20091-20100.	5.2	25
3	Ultrathin solar cells with Ag meta-material nanostructure for light absorption enhancement. <i>Solar Energy</i> , 2018, 166, 98-102.	2.9	22
4	Capacitive coupled non-zero $I^{\alpha}V$ and type-II memristive properties of the NiFe ₂ O ₄ @TiO ₂ nanocomposite. <i>Materials Science in Semiconductor Processing</i> , 2021, 125, 105646.	1.9	21
5	Surface-modified ultra-thin indium zinc oxide films with tunable work function for efficient hole transport in flexible indoor organic photovoltaics. <i>Journal of Power Sources</i> , 2021, 489, 229507.	4.0	17
6	Highly-stable memristive devices with synaptic characteristics based on hydrothermally synthesized MnO ₂ active layers. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159653.	2.8	17
7	Haze-Suppressed Transparent Electrodes Using IZO/Ag/IZO Nanomesh for Highly Flexible and Efficient Blue Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021, 9, 2002010.	3.6	8
8	Fabrication of low reflective nanopore-type black Si layer using one-step Ni-assisted chemical etching for Si solar cell application. <i>Materials Research Express</i> , 2018, 5, 035905.	0.8	6
9	Nickel assisted chemical etching for multi-crystalline Si solar cell texturing: a low cost single step alternative to existing methods. <i>Materials Research Express</i> , 2018, 5, 075506.	0.8	6
10	Highly Efficient Pure Blue Perovskite Light-Emitting Diode Leveraging CsPbBr ₃ /CsPbBr ₃ /CsPbBr ₃ /CsPbBr ₃ Nanocomposite Emissive Layer with Shallow Valence Band. <i>Advanced Optical Materials</i> , 2022, 10, .	0.6	6
11	Frugal discrete memristive device based on potassium permanganate solution. <i>Materials Research Express</i> , 2021, 8, 076304.	0.8	5
12	Corrosion Behavior of Heat Treated Nickel-Aluminum Bronze Alloy in Artificial Seawater. <i>Materials Sciences and Applications</i> , 2011, 02, 1542-1555.	0.3	5
13	Effect of Dopant Concentration in Lightly Doped Drain Region on the Electrical Properties of N-Type Metal Induced Lateral Crystallization Polycrystalline Silicon Thin Film Transistors. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 10MC13.	0.8	4
14	A Study on Characterization of Light-Induced Electroless Plated Ni Seed Layer and Silicide Formation for Solar Cell Application. <i>Journal of the Korean Physical Society</i> , 2018, 72, 615-621.	0.3	4
15	Leakage Current Suppression on Metal-Induced Laterally Crystallized Polycrystalline Silicon Thin-Film Transistors by Asymmetrically Deposited Nickel. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 10MA01.	0.8	2
16	Quantum Interference Enhanced Thermoelectricity in Ferrocene Based Molecular Junctions. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7452-7455.	0.9	2
17	Nanocrystalline Nickel Deposition on the Titanium Alloys Using High Solution Flow Velocity. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 706-712.	1.2	1
18	Crystallization characteristics in heavily B ₂ H ₆ -doped amorphous Si thin films. <i>Journal of Alloys and Compounds</i> , 2019, 801, 352-359.	2.8	0