

# Nacer Badi

## List of Publications by Year in descending order

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18  
papers

306  
citations

933447

10  
h-index

888059

17  
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19  
all docs

19  
docs citations

19  
times ranked

320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization, and AC studies of magnesium ferrite/niobium oxide (MgFe <sub>2</sub> O <sub>4</sub> @Nb <sub>2</sub> O <sub>5</sub> ) nanocomposite at room temperature. Journal of Materials Science: Materials in Electronics, 2022, 33, 12976-12983.	2.2	2
2	PVA Treated PEDOT-PSS: TiO <sub>2</sub> Nanocomposite Based High-Performance Sensors Towards Detection of Relative Humidity and Soil Moisture Content for Agricultural Applications. Journal of Polymers and the Environment, 2021, 29, 612-623.	5.0	24
3	Development of high-performance flexible and stretchable sensor based on secondary doped PEDOT@PSS:TiO <sub>2</sub> nanocomposite for room-temperature detection of nitric oxide. Journal of Materials Science: Materials in Electronics, 2021, 32, 7491-7508.	2.2	8
4	Accurate modeling and simulation of solar photovoltaic panels with simulink-MATLAB. Journal of Computational Electronics, 2021, 20, 974-983.	2.5	9
5	Fabrication and Testing Of PEDOT: PSS Wrapped WO <sub>2</sub> /Au Ternary Nanocomposite Electrodes for High Performance Flexible Supercapacitor Applications. Journal of the Electrochemical Society, 2021, 168, 040526.	2.9	4
6	Hybrid Nickel Ferrite Nanotubes Doped Polyaniline Nanocomposite and Its Dielectric Properties. Journal of Electronic Materials, 2020, 49, 833-841.	2.2	3
7	Enhanced Charge Transport and Corrosion Protection Properties of Polyaniline@Carbon Nanotube Composite Coatings on Mild Steel. Journal of Electronic Materials, 2020, 49, 341-352.	2.2	18
8	High performance flexible supercapacitors based on secondary doped PEDOT@PSS@graphene nanocomposite films for large area solid state devices. RSC Advances, 2020, 10, 10526-10539.	3.6	87
9	Hybrid nickel ferrite nanotubes doped polyaniline nanocomposite and its dielectric properties. Ferroelectrics, 2020, 555, 183-198.	0.6	1
10	Effect of nitrogen doping on structural and optical properties of Mg <sub>x</sub> Zn <sub>1-x</sub> O ternary alloys. Optical Materials, 2019, 89, 554-558.	3.6	24
11	Synthesis and characterization of urea-doped MgZnO nanoparticles for electronic applications. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	4
12	Investigations on structural and electrical properties of polyaniline@cadmium sulfide nanocomposite films for solid state electronics. Polymer Composites, 2019, 40, E579.	4.6	4
13	Enhanced dielectric performance in PVDF/Al-Al <sub>2</sub> O <sub>3</sub> core@shell nanocomposites. Journal of Materials Science: Materials in Electronics, 2018, 29, 10593-10599.	2.2	11
14	Effect of Secondary Doping Using Sorbitol on Structure and Transport Properties of PEDOT@PSS Thin Films. Journal of Electronic Materials, 2017, 46, 4439-4447.	2.2	20
15	Synthesis, characterization, dielectric and rectification properties of PANI/Nd <sub>2</sub> O <sub>3</sub> :Al <sub>2</sub> O <sub>3</sub> nanocomposites. Polymers for Advanced Technologies, 2016, 27, 1064-1071.	3.2	28
16	Micro-Raman spectroscopy and effective conductivity studies of graphene nanoplatelets/polyaniline composites. Journal of Materials Science: Materials in Electronics, 2016, 27, 6249-6257.	2.2	19
17	Electrochemical cell parameters of poly(ethylene oxide)/(KClO <sub>3</sub> +NaNO <sub>3</sub> ) composites as polymer electrolyte in secondary solid-state batteries. Ionics, 2015, 21, 3193-3199.	2.4	2
18	Low-cost carbon-silicon nanocomposite anodes for lithium ion batteries. Nanoscale Research Letters, 2014, 9, 360.	5.7	22