

Frederick Nti

List of Publications by Year in descending order

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39
papers

920
citations

623574

14
h-index

454834

30
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40
all docs

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docs citations

40
times ranked

1387
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of CeO ₂ /Fe ₂ O ₃ composite nanospindles for enhanced visible light driven photocatalysts and supercapacitor electrodes. Journal of Materials Chemistry A, 2015, 3, 15248-15258.	5.2	189
2	Facilely synthesized NiMoO ₄ /CoMoO ₄ nanorods as electrode material for high performance supercapacitor. Journal of Alloys and Compounds, 2018, 742, 342-350.	2.8	119
3	Facile hydrothermal synthesis of hexapod-like two dimensional dichalcogenide NiSe ₂ for supercapacitor. Materials Letters, 2016, 181, 345-349.	1.3	92
4	Facile synthesis of ZnS/MnS nanocomposites for supercapacitor applications. Journal of Solid State Electrochemistry, 2018, 22, 303-313.	1.2	69
5	Ink-Jet-Printed Zinc Oxide Thin-Film Transistors and Circuits With Rapid Thermal Annealing Process. IEEE Electron Device Letters, 2010, 31, 836-838.	2.2	45
6	Newly Design Porous/Sponge Red Phosphorus@Graphene and Highly Conductive Ni ₂ P Electrode for Asymmetric Solid State Supercapacitive Device With Excellent Performance. Nano-Micro Letters, 2020, 12, 25.	14.4	44
7	The influence of interfacial interactions on the conductivity and phase behaviour of organic ionic plastic crystal/polymer nanoparticle composite electrolytes. Journal of Materials Chemistry A, 2020, 8, 5350-5362.	5.2	26
8	Facile room temperature synthesis and application of MnMoO ₄ ·0.9H ₂ O as supercapacitor electrode material. Materials Letters, 2018, 217, 146-150.	1.3	25
9	Electrical characterization and thermal admittance spectroscopy analysis of InGaN/GaN MQW blue LED structure. Electronic Materials Letters, 2015, 11, 982-992.	1.0	23
10	Effect of liquid crystal concentration on electro-optical properties of polymer dispersed liquid crystal lens for smart electronic glasses with auto-shading and auto-focusing function. Electronic Materials Letters, 2014, 10, 607-610.	1.0	17
11	Solid State Supercapacitor Based on Manganese Oxide@Reduced Graphene Oxide and Polypyrrole Electrodes. ChemElectroChem, 2018, 5, 2747-2757.	1.7	17
12	Anion effects on the properties of OIPC/PVDF composites. Materials Advances, 2021, 2, 1683-1694.	2.6	17
13	Facile hydrothermal synthesis of CeO ₂ nanopebbles. Bulletin of Materials Science, 2015, 38, 1135-1139.	0.8	14
14	Size effect on negative capacitance at forward bias in InGaN/GaN multiple quantum well-based blue LED. Electronic Materials Letters, 2016, 12, 67-75.	1.0	14
15	Quaternary transition metal molybdate (Mn _{0.25} Ni _{0.25} Co _{0.25} Fe _{0.25} MoO ₄) design to improve the kinetics of the redox reaction in supercapacitors. Ceramics International, 2020, 46, 12422-12429.	2.3	14
16	Robust structural stability and performance-enhanced asymmetric supercapacitors based on CuMoO ₄ /ZnMoO ₄ nanoflowers prepared via a simple and low-energy precipitation route. Journal of Materials Science: Materials in Electronics, 2021, 32, 6668-6681.	1.1	14
17	Effect of UV intensity on the electro-optical properties of polymer dispersed liquid crystal lens for smart electronic glasses. Electronic Materials Letters, 2014, 10, 665-669.	1.0	13
18	Electroless plating of copper nanoparticles on PET fiber for non-enzymatic electrochemical detection of H ₂ O ₂ . RSC Advances, 2015, 5, 76729-76732.	1.7	13

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19	Fabrication of highly flexible conducting electrode based on MnS nanoparticles/graphite/scotch tape for supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 1636-1642.	1.1	13
20	Effect of cell gap on electro-optical properties of polymer dispersed liquid crystal lens for smart electronic glasses. Electronic Materials Letters, 2014, 10, 857-861.	1.0	12
21	Construction of NiCo-OH/Ni ₃ S ₂ core-shell heterostructure wrapped in rGO nanosheets as efficient supercapacitor electrode enabling high stability up to 20,000 cycles. Journal of Electroanalytical Chemistry, 2021, 889, 115226.	1.9	12
22	Structure and electrochemical detection of xenobiotic micro-pollutant hydroquinone using CeO ₂ nanocrystals. RSC Advances, 2015, 5, 70558-70565.	1.7	11
23	Layered Na ₂ /3Ni ₁ /3Mn ₂ /3O ₂ as electrode material with two redox active transition metals for high performance supercapacitor. Journal of Alloys and Compounds, 2017, 728, 78-87.	2.8	11
24	Fabrication of thermally evaporated Al thin film on cylindrical PET monofilament for wearable computing devices. Electronic Materials Letters, 2016, 12, 186-196.	1.0	10
25	Effects of oxide electron transport layer on quantum dots light emitting diode with an organic/inorganic hybrid structure. Electronic Materials Letters, 2013, 9, 779-782.	1.0	9
26	Study of interface chemistry between the carrier-transporting layers and their influences on the stability and performance of organic solar cells. Applied Nanoscience (Switzerland), 2018, 8, 1325-1341.	1.6	9
27	Composite electrolytes based on electrospun PVDF and ionic plastic crystal matrices for Na-metal battery applications. JPhys Materials, 2021, 4, 034003.	1.8	9
28	Ion Transport in Li-Doped Triethyl(methyl)phosphonium Tetrafluoroborate (Li-[P ₁₂₂₂][BF ₄]) Impregnated with PVDF Nanoparticles. Journal of Physical Chemistry C, 2022, 126, 3839-3852.	1.5	9
29	Photocatalytic degradation of acid orange 7 using Cr-doped CeO ₂ nanorods. Journal of Materials Science: Materials in Electronics, 2015, 26, 1441-1448.	1.1	8
30	Fabrication of Ni(OH) ₂ -Fe ₂ O ₃ nanostructures for high-performance asymmetric supercapacitors. Journal of Solid State Electrochemistry, 2018, 22, 293-302.	1.2	8
31	Biogenesis of Prism-Like Silver Oxide Nanoparticles Using Nappa Cabbage Extract and Their p-Nitrophenol Sensing Activity. Molecules, 2020, 25, 2298.	1.7	6
32	Polypyrrole nanostructures//activated carbon based electrode for energy storage applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 7890-7900.	1.1	5
33	IR Sensor Synchronizing Active Shutter Glasses for 3D HDTV with Flexible Liquid Crystal Lenses. Sensors, 2013, 13, 16583-16590.	2.1	4
34	Sucrose-templated interconnected meso/macro-porous 2D symmetric graphitic carbon networks as supports for Fe ₂ O ₃ towards improved supercapacitive behavior. RSC Advances, 2020, 10, 15751-15762.	1.7	4
35	Potentiometric Performance of a Highly Flexible-Shaped Trifunctional Sensor Based on ZnO/V ₂ O ₅ Microrods. Sensors, 2021, 21, 2559.	2.1	4
36	Solvothermal synthesis of three-dimensional CeO ₂ micropillows and their photocatalytic property. Physica Status Solidi - Rapid Research Letters, 2014, 8, 643-647.	1.2	3

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37	The effect of the functionalization of multiple carrier transporting interlayers on the performance and stability of bulk heterojunction organic solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13561-13576.	1.1	3
38	In Situ Preparation of Gold-Silica Particles from a Mixture of Oil Palm Leaves and Chloroauric Acid for Reduction of Nitroaromatic Compounds in Water. <i>Waste and Biomass Valorization</i> , 2021, 12, 3773-3780.	1.8	3
39	Reinforced supercapacitive behavior of O3-type layer-structured Na ₃ Ni ₂ BiO ₆ in 1-butyl-3-methylimidazolium tetrafluoroborate (BMIMBF ₄) electrolyte. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16688-16700.	1.1	2