

# Frederick Nti

## List of Publications by Year in descending order

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39  
papers

920  
citations

623574

14  
h-index

454834

30  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1387  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion Transport in Li-Doped Triethyl(methyl)phosphonium Tetrafluoroborate (Li-[P<sub>1222</sub>][BF<sub>4</sub>]) Impregnated with PVDF Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3839-3852.	1.5	9
2	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
3	Robust structural stability and performance-enhanced asymmetric supercapacitors based on CuMoO <sub>4</sub> /ZnMoO <sub>4</sub> nanoflowers prepared via a simple and low-energy precipitation route. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6668-6681.	1.1	14
4	Composite electrolytes based on electrospun PVDF and ionic plastic crystal matrices for Na-metal battery applications. <i>JPhys Materials</i> , 2021, 4, 034003.	1.8	9
5	Potentiometric Performance of a Highly Flexible-Shaped Trifunctional Sensor Based on ZnO/V <sub>2</sub> O <sub>5</sub> Microrods. <i>Sensors</i> , 2021, 21, 2559.	2.1	4
6	Construction of NiCo-OH/Ni <sub>3</sub> S <sub>2</sub> core-shell heterostructure wrapped in rGO nanosheets as efficient supercapacitor electrode enabling high stability up to 20,000 cycles. <i>Journal of Electroanalytical Chemistry</i> , 2021, 889, 115226.	1.9	12
7	Anion effects on the properties of OIPC/PVDF composites. <i>Materials Advances</i> , 2021, 2, 1683-1694.	2.6	17
8	Reinforced supercapacitive behavior of O <sub>3</sub> -type layer-structured Na <sub>3</sub> Ni <sub>2</sub> BiO <sub>6</sub> in 1-butyl-3-methylimidazolium tetrafluoroborate (BMIMBF <sub>4</sub> ) electrolyte. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16688-16700.	1.1	2
9	Biogenesis of Prism-Like Silver Oxide Nanoparticles Using Nappa Cabbage Extract and Their p-Nitrophenol Sensing Activity. <i>Molecules</i> , 2020, 25, 2298.	1.7	6
10	Newly Design Porous/Sponge Red Phosphorus@Graphene and Highly Conductive Ni <sub>2</sub> P Electrode for Asymmetric Solid State Supercapacitive Device With Excellent Performance. <i>Nano-Micro Letters</i> , 2020, 12, 25.	14.4	44
11	The influence of interfacial interactions on the conductivity and phase behaviour of organic ionic plastic crystal/polymer nanoparticle composite electrolytes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5350-5362.	5.2	26
12	Quaternary transition metal molybdate (Mn <sub>0.25</sub> Ni <sub>0.25</sub> Co <sub>0.25</sub> Fe <sub>0.25</sub> MoO <sub>4</sub> ) design to improve the kinetics of the redox reaction in supercapacitors. <i>Ceramics International</i> , 2020, 46, 12422-12429.	2.3	14
13	Sucrose-templated interconnected meso/macro-porous 2D symmetric graphitic carbon networks as supports for Fe <sub>2</sub> O <sub>3</sub> towards improved supercapacitive behavior. <i>RSC Advances</i> , 2020, 10, 15751-15762.	1.7	4
14	Polypyrrole nanostructures/activated carbon based electrode for energy storage applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7890-7900.	1.1	5
15	Facilely synthesized NiMoO <sub>4</sub> /CoMoO <sub>4</sub> nanorods as electrode material for high performance supercapacitor. <i>Journal of Alloys and Compounds</i> , 2018, 742, 342-350.	2.8	119
16	Facile room temperature synthesis and application of MnMoO <sub>4</sub> ·0.9H <sub>2</sub> O as supercapacitor electrode material. <i>Materials Letters</i> , 2018, 217, 146-150.	1.3	25
17	Fabrication of highly flexible conducting electrode based on MnS nanoparticles/graphite/scotch tape for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1636-1642.	1.1	13
18	Facile synthesis of ZnS/MnS nanocomposites for supercapacitor applications. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 303-313.	1.2	69

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19	Fabrication of $\text{Ni}(\text{OH})_2/\text{Fe}_2\text{O}_3$ nanostructures for high-performance asymmetric supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 293-302.	1.2	8
20	Study of interface chemistry between the carrier-transporting layers and their influences on the stability and performance of organic solar cells. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1325-1341.	1.6	9
21	Solid State Supercapacitor Based on Manganese Oxide@Reduced Graphene Oxide and Polypyrrole Electrodes. <i>ChemElectroChem</i> , 2018, 5, 2747-2757.	1.7	17
22	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
23	Layered $\text{Na}_2/3\text{Ni}_1/3\text{Mn}_2/3\text{O}_2$ as electrode material with two redox active transition metals for high performance supercapacitor. <i>Journal of Alloys and Compounds</i> , 2017, 728, 78-87.	2.8	11
24	Fabrication of thermally evaporated Al thin film on cylindrical PET monofilament for wearable computing devices. <i>Electronic Materials Letters</i> , 2016, 12, 186-196.	1.0	10
25	Facile hydrothermal synthesis of hexapod-like two dimensional dichalcogenide $\text{NiSe}_2$ for supercapacitor. <i>Materials Letters</i> , 2016, 181, 345-349.	1.3	92
26	Size effect on negative capacitance at forward bias in $\text{InGaN}/\text{GaN}$ multiple quantum well-based blue LED. <i>Electronic Materials Letters</i> , 2016, 12, 67-75.	1.0	14
27	Electrical characterization and thermal admittance spectroscopy analysis of $\text{InGaN}/\text{GaN}$ MQW blue LED structure. <i>Electronic Materials Letters</i> , 2015, 11, 982-992.	1.0	23
28	Photocatalytic degradation of acid orange 7 using Cr-doped $\text{CeO}_2$ nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1441-1448.	1.1	8
29	Fabrication of $\text{CeO}_2/\text{Fe}_2\text{O}_3$ composite nanospindles for enhanced visible light driven photocatalysts and supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15248-15258.	5.2	189
30	Facile hydrothermal synthesis of $\text{CeO}_2$ nanopebbles. <i>Bulletin of Materials Science</i> , 2015, 38, 1135-1139.	0.8	14
31	Structure and electrochemical detection of xenobiotic micro-pollutant hydroquinone using $\text{CeO}_2$ nanocrystals. <i>RSC Advances</i> , 2015, 5, 70558-70565.	1.7	11
32	Electroless plating of copper nanoparticles on PET fiber for non-enzymatic electrochemical detection of $\text{H}_2\text{O}_2$ . <i>RSC Advances</i> , 2015, 5, 76729-76732.	1.7	13
33	Solvothermal synthesis of three-dimensional $\text{CeO}_2$ micropillows and their photocatalytic property. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 643-647.	1.2	3
34	Effect of cell gap on electro-optical properties of polymer dispersed liquid crystal lens for smart electronic glasses. <i>Electronic Materials Letters</i> , 2014, 10, 857-861.	1.0	12
35	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. <i>Electronic Materials Letters</i> , 2014, 10, 607-610.	1.0	17
36	Effect of UV intensity on the electro-optical properties of polymer dispersed liquid crystal lens for smart electronic glasses. <i>Electronic Materials Letters</i> , 2014, 10, 665-669.	1.0	13

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37	Effects of oxide electron transport layer on quantum dots light emitting diode with an organic/inorganic hybrid structure. <i>Electronic Materials Letters</i> , 2013, 9, 779-782.	1.0	9
38	IR Sensor Synchronizing Active Shutter Glasses for 3D HDTV with Flexible Liquid Crystal Lenses. <i>Sensors</i> , 2013, 13, 16583-16590.	2.1	4
39	Ink-Jet-Printed Zinc-Tin-Oxide Thin-Film Transistors and Circuits With Rapid Thermal Annealing Process. <i>IEEE Electron Device Letters</i> , 2010, 31, 836-838.	2.2	45