

Sabastine Ezugwu

List of Publications by Year in descending order

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papers

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840776

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29
all docs

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docs citations

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times ranked

573
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of the mathematical modelling of perovskite solar cells towards achieving highly efficient perovskite devices. International Journal of Energy Research, 2021, 45, 1496-1516.	4.5	14
2	Structural and Electronic Properties of Metal Oxides and Their Applications in Solar Cells. , 2021, , 147-163.		5
3	Fabrication of Nanostructured Cadmium Selenide Thin Films for Optoelectronics Applications. Frontiers in Chemistry, 2021, 9, 661723.	3.6	9
4	Method to control the optical properties: Band gap energy of mixed halide Organolead perovskites. Arabian Journal of Chemistry, 2020, 13, 988-997.	4.9	23
5	The use of nickel oxide as a hole transport material in perovskite solar cell configuration: Achieving a high performance and stable device. International Journal of Energy Research, 2020, 44, 9839-9863.	4.5	28
6	Properties of nanostructured ZnO thin films synthesized using a modified aqueous chemical growth method. Materials Research Express, 2019, 6, 056406.	1.6	13
7	Efficient control of band gap energy and optical properties of titania thin films for solar cell applications. Optik, 2019, 191, 1-9.	2.9	3
8	Near-field scanning thermoreflectance imaging (NeSTRI) as a nano-optical technique for contactlessly mapping the thermal conductivity of 2D materials at the nanoscale. , 2019, , .		0
9	Fabrication of nanocrystalline Cd(Zn, S)Se thin films for PV-application: An electrochemical approach. AIP Conference Proceedings, 2018, , .	0.4	0
10	Contactless near-field scanning thermoreflectance imaging. Nanoscale, 2017, 9, 4097-4106.	5.6	8
11	Direct synthesis of quaternary Cd(Zn, S)Se thin films: Effects of composition. Materials Science in Semiconductor Processing, 2017, 71, 447-453.	4.0	9
12	A Review of Three-Dimensional Scanning Near-Field Optical Microscopy (3D-SNOM) and Its Applications in Nanoscale Light Management. Applied Sciences (Switzerland), 2017, 7, 973.	2.5	90
13	Graphene Thin Films and Graphene Decorated with Metal Nanoparticles. , 2016, , .		2
14	Design Criteria for Ultrathin Single-Layer Flash Memristors from an Organic Polyradical. Advanced Electronic Materials, 2016, 2, 1600253.	5.1	15
15	Synthesis, characterization, and thin-film properties of 6-oxoverdazyl polymers prepared by ring-opening metathesis polymerization. Journal of Polymer Science Part A, 2016, 54, 1803-1813.	2.3	19
16	Transformation of cadmium hydroxide to cadmium oxide thin films synthesized by SILAR deposition process: Role of varying deposition cycles. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2016, 20, 49-54.	1.0	11
17	Direct synthesis of highly conducting graphene nanoribbon thin films from graphene ridges and wrinkles. Acta Materialia, 2016, 107, 96-101.	7.9	7
18	Cathode deposition, paramagnetic defect formation and performance degradation in polymer-fullerene solar cells. Solar Energy, 2016, 129, 20-27.	6.1	2

#	ARTICLE	IF	CITATIONS
19	Electrochromic and electrochemical supercapacitive properties of Room Temperature PVP capped Ni(OH) ₂ /NiO Thin Films. <i>Electrochimica Acta</i> , 2015, 171, 128-141.	5.2	70
20	Doping graphene thin films with metallic nanoparticles: Experiment and theory. <i>Carbon</i> , 2015, 95, 199-207.	10.3	23
21	Three-dimensional scanning near field optical microscopy (3D-SNOM) imaging of random arrays of copper nanoparticles: implications for plasmonic solar cell enhancement. <i>Nanoscale</i> , 2015, 7, 252-260.	5.6	17
22	Effects of post-thermal treatments on morphological and optical properties of NiO/Ni(OH) ₂ thin films synthesized by solution growth. <i>Optik</i> , 2014, 125, 2905-2908.	2.9	9
23	Relationship between electrical and thermal conductivity in graphene-based transparent and conducting thin films. <i>Carbon</i> , 2013, 61, 595-601.	10.3	14
24	Influence of the addition of graphene-like materials on the thermophysical properties of poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) thin film nanocomposites. <i>Thin Solid Films</i> , 2013, 534, 520-528.	1.8	12
25	Annealing effect on the optical and solid state properties of cupric oxide thin films deposited using the Aqueous Chemical Growth (ACG) method. <i>Natural Science</i> , 2013, 05, 389-399.	0.4	8
26	Effect of Concentration on the Optical and Solid State Properties of ZnO Thin Films Deposited by Aqueous Chemical Growth (ACG) Method. <i>Journal of Modern Physics</i> , 2012, 03, 1516-1522.	0.6	4
27	Effect of Concentration on the Optical and Solid State Properties of CoO Thin Films Deposited Using the Aqueous Chemical Growth (ACG) Method. <i>Advances in Materials Physics and Chemistry</i> , 2012, 02, 232-238.	0.7	0
28	Annealing Effect on the Solid State and Optical Properties of Fe ₂ O ₃ Thin Films Deposited Using the Aqueous Chemical Growth (ACG) Method. <i>Materials Sciences and Applications</i> , 2012, 03, 793-801.	0.4	0
29	Biosynthesis of Graphene and Investigation of Antibacterial Activity of Graphene-parthenium hystero-phorous Nanocomposite. <i>Brazilian Archives of Biology and Technology</i> , 0, 64, .	0.5	1