

Paul Joseph Daniel

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Investigation of the transparent conducting properties of spray-pyrolyzed Li and F co-doped SnO ₂ thin film electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 8435-8445.	2.2	7
2	Boltzmann conductivity approach for charge transport in spray-deposited transparent Ta-doped SnO ₂ thin films. <i>Journal of Alloys and Compounds</i> , 2022, 897, 163159.	5.5	7
3	Nanocrystalline Sb-doped-BaSnO ₃ perovskite electron transport layer for dye-sensitized solar cells. <i>Materials Letters</i> , 2022, 311, 131629.	2.6	6
4	Nanostructured ternary perovskite oxides as photoconversion efficiency enhancers for DSSC. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1403-1413.	5.5	4
5	Cost-effective Sb-doped SnO ₂ films as stable and efficient alternative transparent conducting electrodes for dye-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7997-8008.	5.5	5
6	Effect of anionic bromine doping on the structural, optical and electrical properties of spray-pyrolyzed SnO ₂ thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 282, 115756.	3.5	2
7	Solvent effect on the optoelectronic properties of fluorine doped SnO ₂ thin films prepared by spray-pyrolysis. <i>Surfaces and Interfaces</i> , 2022, 33, 102174.	3.0	4
8	Investigation of structural, optical, electrical and mechanical properties of transparent conducting Ag electrodes. <i>Physica B: Condensed Matter</i> , 2021, 607, 412690.	2.7	3
9	Lithium-antimony co-doping induced morphology transition in spray deposited SnO ₂ thin films. <i>Surfaces and Interfaces</i> , 2021, 23, 100918.	3.0	9
10	Effect of substrate temperature on the charge transport property of Ta ₂ O ₅ cathode buffer layer in inverted polymer solar cells. <i>Materials Letters</i> , 2021, 298, 130038.	2.6	3
11	Prickly pear fruit extract as photosensitizer for dye-sensitized solar cell. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117686.	3.9	25
12	Enhanced optical transparency and electrical conductivity of Ba and Sb co-doped SnO ₂ thin films. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153709.	5.5	37
13	Large-area spray deposited Ta-doped SnO ₂ thin film electrode for DSSC application. <i>Solar Energy</i> , 2020, 211, 547-559.	6.1	40
14	Investigation of substrate temperature effect on the properties of spray deposited Ta-doped SnO ₂ thin films. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
15	Investigation of ultra-thin and flexible Au-Ag-Au transparent conducting electrode. <i>Current Applied Physics</i> , 2020, 20, 1118-1124.	2.4	11
16	Substrate Temperature Dependent Physical Properties of Spray Deposited Antimony-Doped SnO ₂ Thin Films. <i>Thin Solid Films</i> , 2020, 704, 137988.	1.8	17
17	Indium-free large area Nb-doped SnO ₂ thin film as an alternative transparent conducting electrode. <i>Ceramics International</i> , 2020, 46, 12224-12231.	4.8	16
18	Tailoring the properties of spray deposited V ₂ O ₅ thin films using swift heavy ion beam irradiation. <i>Nuclear Engineering and Technology</i> , 2020, 52, 2585-2593.	2.3	11

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19	Synthesis and characterization of nanostructured La-doped BaSnO ₃ for dye-sensitized solar cell application. <i>Materials Chemistry and Physics</i> , 2020, 250, 123137.	4.0	20
20	Magnetism and Charge Order in Nanocrystalline Orthorhombic SrFeO ₃ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 1839-1844.	1.8	0
21	Optimization of nanocrystalline Sb doped BaSnO ₃ for dye-sensitized solar cell applications. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
22	Study of 100 MeV O ⁷⁺ ion beam irradiation effects on spray deposited 5 wt% Li ⁺ doped MoO ₃ thin film. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
23	Stabilization of 5 wt % Sb ⁺ doped SnO ₂ thin film by post oxidation of thermally evaporated metallic layer. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
24	Optimization and transport properties of Nb ⁺ doped SnO ₂ thin film as an alternate TCO application. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
25	200 MeV Ag ¹⁵⁺ ion beam irradiation induced modifications in spray deposited MoO ₃ thin films by fluence variation. <i>Nuclear Engineering and Technology</i> , 2019, 51, 1983-1990.	2.3	11
26	Facile deposition and characterization of large area highly conducting and transparent Sb-doped SnO ₂ thin film. <i>Applied Surface Science</i> , 2019, 487, 1385-1393.	6.1	49
27	Investigation of structural and electrical properties of pristine and 200 MeV Ag ¹⁵⁺ ion irradiated 3 wt% Li ⁺ doped WO ₃ thin films. <i>Indian Journal of Physics</i> , 2019, 93, 1559-1565.	1.8	1
28	Effect of 200 MeV Ag ¹⁵⁺ ion beam irradiation at different fluences on WO ₃ thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 439, 51-58.	1.4	10
29	Investigation of <i>In-Situ</i> Carbon Coated LiFePO ₄ as a Superior Cathode Material for Lithium Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3002-3011.	0.9	9
30	Indigenous unit for bending and twisting tests of ultra-thin films on a flexible substrate. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
31	Fabrication and stability investigation of ultra-thin transparent and flexible Cu-Ag-Au tri-layer film on PET. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
32	Inverted polymer solar cell using Ta ⁺ doped V ₂ O ₅ thin film as cathodic buffer layer. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
33	Development of a novel carbon-coating strategy for producing core-shell structured carbon coated LiFePO ₄ for an improved Li-ion battery performance. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 175-188.	2.8	29
34	Bi ³⁺ Doping Induced Suppression of Spin Flop Transition in DyMnO ₃ . , 2016, , .		1
35	200 MeV Ag ¹⁵⁺ ion beam irradiation effects on spray deposited 5 wt% Li ⁺ doped V ₂ O ₅ thin film. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
36	Non-local spin injection effects in coplanar La _{0.7} Sr _{0.3} MnO ₃ /Bi ₂ Sr ₂ CaCu ₂ O ₈ / La _{0.7} Sr _{0.3} MnO ₃ tri-layer. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	1

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37	Intense violet-blue emission and paramagnetism of nanocrystalline Gd ³⁺ doped ZnO ceramics. Journal of Advanced Ceramics, 2015, 4, 300-306.	17.4	14
38	Prototype electrochromic device and dye sensitized solar cell using spray deposited undoped and ⁶ Li doped V ₂ O ₅ thin film electrodes. Current Applied Physics, 2015, 15, 622-631.	2.4	45
39	Spray deposited Nb ₂ O ₅ thin film electrodes for fabrication of dye sensitized solar cells. Transactions of the Indian Institute of Metals, 2011, 64, 185-188.	1.5	17
40	Structural transition and blue emission in textured and highly transparent spray deposited Li doped WO ₃ thin films. Applied Surface Science, 2011, 257, 8127-8133.	6.1	31
41	Critical Analysis on the Structural and Magnetic Properties of Bulk and Nanocrystalline Cu-Fe-O. Advances in Materials Science and Engineering, 2010, 2010, 1-14.	1.8	12
42	Effect of Li doping on the structural, optical and electrical properties of spray deposited SnO ₂ thin films. Thin Solid Films, 2009, 517, 6129-6136.	1.8	102
43	V ₂ O ₅ -Sn mesh electrode system for inverted polymer solar cells. Journal of Materials Science: Materials in Electronics, 0, , 1.	2.2	0