Paul Joseph Daniel

List of Publications by Year
in descending order

43	567	759233 12	642732 23
papers	citations	h-index	g-index

43	43	43	706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Li doping on the structural, optical and electrical properties of spray deposited SnO2 thin films. Thin Solid Films, 2009, 517, 6129-6136.	1.8	102
2	Facile deposition and characterization of large area highly conducting and transparent Sb-doped SnO2 thin film. Applied Surface Science, 2019, 487, 1385-1393.	6.1	49
3	Prototype electrochromic device and dye sensitized solar cell using spray deposited undoped and â€˜Liâ€™ doped V2O5 thin film electrodes. Current Applied Physics, 2015, 15, 622-631.	2.4	45
4	Large-area spray deposited Ta-doped SnO2 thin film electrode for DSSC application. Solar Energy, 2020, 211, 547-559.	6.1	40
5	Enhanced optical transparency and electrical conductivity of Ba and Sb co-doped SnO2 thin films. Journal of Alloys and Compounds, 2020, 823, 153709.	5.5	37
6	Structural transition and blue emission in textured and highly transparent spray deposited Li doped WO3 thin films. Applied Surface Science, 2011, 257, 8127-8133.	6.1	31
7	Development of a novel carbon-coating strategy for producing coreâ€“shell structured carbon coated LiFePO₄for an improved Li-ion battery performance. Physical Chemistry Chemical Physics, 2017, 19, 175-188.	2.8	29
8	Prickly pear fruit extract as photosensitizer for dye-sensitized solar cell. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117686.	3.9	25
9	Synthesis and characterization of nanostructured La-doped BaSnO3 for dye-sensitized solar cell application. Materials Chemistry and Physics, 2020, 250, 123137.	4.0	20
10	Spray deposited Nb2O5 thin film electrodes for fabrication of dye sensitized solar cells. Transactions of the Indian Institute of Metals, 2011, 64, 185-188.	1.5	17
11	Substrate Temperature Dependent Physical Properties of Spray Deposited Antimony-Doped SnO2 Thin Films. Thin Solid Films, 2020, 704, 137988.	1.8	17
12	Indium-free large area Nb-doped SnO2 thin film as an alternative transparent conducting electrode. Ceramics International, 2020, 46, 12224-12231.	4.8	16
13	Intense violetâ€“blue emission and paramagnetism of nanocrystalline Gd3+ doped ZnO ceramics. Journal of Advanced Ceramics, 2015, 4, 300-306.	17.4	14
14	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
15	200ÂMeV Ag15+ ion beam irradiation induced modifications in spray deposited MoO3 thin films by fluence variation. Nuclear Engineering and Technology, 2019, 51, 1983-1990.	2.3	11
16	Investigation of ultra-thin and flexible Auâ€“Agâ€“Au transparent conducting electrode. Current Applied Physics, 2020, 20, 1118-1124.	2.4	11
17	Tailoring the properties of spray deposited V2O5 thin films using swift heavy ion beam irradiation. Nuclear Engineering and Technology, 2020, 52, 2585-2593.	2.3	11
18	Effect of 200â€¯MeV Ag15+ ion beam irradiation at different fluences on WO3 thin films. Nuclear Instruments & Methods in Physics Research B, 2019, 439, 51-58.	1.4	10

#	Article	IF	Citations
19	Investigation of In-Situ Carbon Coated LiFePO₄ as a Superior Cathode Material for Lithium Ion Batteries. Journal of Nanoscience and Nanotechnology, 2019, 19, 3002-3011.	0.9	9
20	Lithium-antimony co-doping induced morphology transition in spray deposited SnO2 thin films. Surfaces and Interfaces, 2021, 23, 100918.	3.0	9
21	Investigation of the transparent conducting properties of spray-pyrolyzed Li and F co-doped SnO2 thin film electrodes. Journal of Materials Science: Materials in Electronics, 2022, 33, 8435-8445.	2.2	7
22	Boltzmann conductivity approach for charge transport in spray-deposited transparent Ta-doped SnO2 thin films. Journal of Alloys and Compounds, 2022, 897, 163159.	5.5	7
23	Nanocrystalline Sb-doped-BaSnO3 perovskite electron transport layer for dye-sensitized solar cells. Materials Letters, 2022, 311, 131629.	2.6	6
24	Cost-effective Sb-doped SnO₂ films as stable and efficient alternative transparent conducting electrodes for dye-sensitized solar cells. Journal of Materials Chemistry C, 2022, 10, 7997-8008.	5.5	5
25	Nanostructured ternary perovskite oxides as photoconversion efficiency enhancers for DSSC. Journal of Materials Chemistry C, 2022, 10, 1403-1413.	5.5	4
26	Solvent effect on the optoelectronic properties of fluorine doped SnO2 thin films prepared by spray-pyrolysis. Surfaces and Interfaces, 2022, 33, 102174.	3.0	4
27	Fabrication and stability investigation of ultra-thin transparent and flexible Cu-Ag-Au tri-layer film on PET. AIP Conference Proceedings, 2018, , .	0.4	3
28	Investigation of structural, optical, electrical and mechanical properties of transparent conducting â€˜Agâ€™ electrodes. Physica B: Condensed Matter, 2021, 607, 412690.	2.7	3
29	Effect of substrate temperature on the charge transport property of Ta2O5 cathode buffer layer in inverted polymer solar cells. Materials Letters, 2021, 298, 130038.	2.6	3
30	Effect of anionic bromine doping on the structural, optical and electrical properties of spray-pyrolyzed SnO2 thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 282, 115756.	3.5	2
31	Non-local spin injection effects in coplanar La0.7Sr0.3MnO3/Bi2Sr2CaCu2O8/ La0.7Sr0.3MnO3 tri-layer. AIP Conference Proceedings, 2015, , .	0.4	1
32	Bi3+ Doping Induced Suppression of Spin Flop Transition in DyMnO<inf>3</inf>. , 2016, , .		1
33	Inverted polymer solar cell using â€˜Taâ€™ doped V2O5 thin film as cathodic buffer layer. AIP Conference Proceedings, 2017, , .	0.4	1
34	Indigenous unit for bending and twisting tests of ultra-thin films on a flexible substrate. AIP Conference Proceedings, 2018, , .	0.4	1
35	Investigation of structural and electrical properties of pristine and 200ÂMeV Ag15+ ion irradiated 3Âwt% â€˜Liâ€™ doped WO3 thin films. Indian Journal of Physics, 2019, 93, 1559-1565.	1.8	1
36	Investigation of substrate temperature effect on the properties of spray deposited Ta-doped SnO2 thin films. AIP Conference Proceedings, 2020, , .	0.4	1

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37	Optimization of nanocrystalline Sb doped BaSnO3 for dye-sensitized solar cell applications. AIP Conference Proceedings, 2020, , .	0.4	1
38	Study of 100 MeV O7+ ion beam irradiation effects on spray deposited 5 wt% â€˜Liâ€™ doped MoO3 thin film. AIP Conference Proceedings, 2020, , .	0.4	1
39	200â€…MeV Ag15+ ion beam irradiation effects on spray deposited 5 wt% â€˜Liâ€™ doped V2O5 thin film. AIP Conference Proceedings, 2016, , .	0.4	0
40	Stabilization of 5 wt % â€˜Sbâ€™ doped SnO2Âthin film by post oxidation of thermally evaporated metallic layer. AIP Conference Proceedings, 2019, , .	0.4	0
41	Optimization and transport properties of â€˜Nbâ€™ doped SnO2 thin film as an alternate TCO application. AIP Conference Proceedings, 2019, , .	0.4	0
42	V2O5â€“Sn mesh electrode system for inverted polymer solar cells. Journal of Materials Science: Materials in Electronics, 0, , 1.	2.2	0
43	Magnetism and Charge Order in Nanocrystalline Orthorhombic SrFeO3-Î´. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1839-1844.	1.8	0