

D C Agarwal

List of Publications by Year in descending order

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17
papers

644
citations

687363

13
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

819
citing authors

#	ARTICLE	IF	CITATIONS
1	Au@ZnO: A tunable localized surface plasmonic nanocomposite. Applied Physics Letters, 2008, 92, 043107.	3.3	153
2	Synthesis and characterization of ZnO thin film grown by electron beam evaporation. Journal of Applied Physics, 2006, 99, 123105.	2.5	118
3	Formation of self-affine nanostructures on ZnO surfaces by swift heavy ions. Journal of Applied Physics, 2008, 104, 024304.	2.5	56
4	Electronic excitation induced tuning of surface plasmon resonance of Ag nanoparticles in fullerene C ₇₀ matrix. Journal Physics D: Applied Physics, 2009, 42, 155103.	2.8	55
5	Swift heavy ion induced structural and optical modifications in LiF thin film. Journal Physics D: Applied Physics, 2005, 38, 637-641.	2.8	53
6	Synthesis and characterizations of silver-fullerene C70 nanocomposite. Applied Physics Letters, 2008, 93, .	3.3	42
7	Insight Mechanisms of Surface Structuring and Wettability of Ion-Treated Ag Thin Films. Journal of Physical Chemistry C, 2016, 120, 5755-5763.	3.1	40
8	Thermal and ion induced annealing of nanocrystalline ZnO thin film deposited by atom beam sputtering. Journal Physics D: Applied Physics, 2008, 41, 045305.	2.8	34
9	Synthesis, characterizations, and thermal induced structural transformation of silver-fullerene C60 nanocomposite thin films for applications in optical devices. Journal of Applied Physics, 2010, 107, .	2.5	29
10	Effect of Ag Ion Implantation on SPR of Cu-C60 Nanocomposite Thin Film. Plasmonics, 2018, 13, 669-679.	3.4	16
11	Creation of self-organized gold nanostructures by keV ion beam irradiation. Radiation Effects and Defects in Solids, 2011, 166, 553-557.	1.2	15
12	Synthesis of embedded Au nanostructures by ion irradiation: influence of ion induced viscous flow and sputtering. Beilstein Journal of Nanotechnology, 2014, 5, 105-110.	2.8	15
13	Smoothing, roughening and sputtering: the complex evolution of immiscible Fe/Bi bilayer system. Journal Physics D: Applied Physics, 2008, 41, 215306.	2.8	15
14	Role of melting temperature in intermixing of miscible metal/metal bilayers induced by swift heavy ions. Radiation Effects and Defects in Solids, 2011, 166, 689-695.	1.2	2
15	Ion velocity dependence of mixing in Bi/Te bilayer. Indian Journal of Physics, 2014, 88, 1163-1167.	1.8	1
16	Formation and modifications of nanostructures of tin oxide by SHI irradiation. Radiation Effects and Defects in Solids, 2013, 168, 490-497.	1.2	0
17	Localized Surface Plasmon Resonance Studies on Pd/C Nano-Composite System: Effect of Metal Concentration and Annealing Temperature. Journal of Nanoscience and Nanotechnology, 2020, 20, 3859-3865.	0.9	0