

# D C Agarwal

## List of Publications by Year in descending order

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17  
papers

644  
citations

687363

13  
h-index

996975

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docs citations

17  
times ranked

819  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Effect of Ag Ion Implantation on SPR of Cu-C60 Nanocomposite Thin Film. Plasmonics, 2018, 13, 669-679.	3.4	16
3	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
4	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
5	Ion velocity dependence of mixing in Bi/Te bilayer. Indian Journal of Physics, 2014, 88, 1163-1167.	1.8	1
6	Formation and modifications of nanostructures of tin oxide by SHI irradiation. Radiation Effects and Defects in Solids, 2013, 168, 490-497.	1.2	0
7	Creation of self-organized gold nanostructures by keV ion beam irradiation. Radiation Effects and Defects in Solids, 2011, 166, 553-557.	1.2	15
8	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
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	Electronic excitation induced tuning of surface plasmon resonance of Ag nanoparticles in fullerene C <sub>70</sub> matrix. Journal Physics D: Applied Physics, 2009, 42, 155103.	2.8	55
11	Formation of self-affine nanostructures on ZnO surfaces by swift heavy ions. Journal of Applied Physics, 2008, 104, 024304.	2.5	56
12	Au@ZnO: A tunable localized surface plasmonic nanocomposite. Applied Physics Letters, 2008, 92, 043107.	3.3	153
13	Synthesis and characterizations of silver-fullerene C70 nanocomposite. Applied Physics Letters, 2008, 93, .	3.3	42
14	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
15	Smoothing, roughening and sputtering: the complex evolution of immiscible Fe/Bi bilayer system. Journal Physics D: Applied Physics, 2008, 41, 215306.	2.8	15
16	Synthesis and characterization of ZnO thin film grown by electron beam evaporation. Journal of Applied Physics, 2006, 99, 123105.	2.5	118
17	Swift heavy ion induced structural and optical modifications in LiF thin film. Journal Physics D: Applied Physics, 2005, 38, 637-641.	2.8	53