Rajnarayan De

List of Publications by Year
in descending order

24 papers	119 citations	1478505 6 h-index	1372567 10 g-index
24 all docs	24 docs citations	24 times ranked	153 citing authors

#	Article	IF	Citations
1	Spatially selective nanoplasmonic response in Ag embedded GLAD TiO2 nanocomposite thin films. Optical Materials, 2022, 126, 112122.	3.6	1
2	Morphology-dependent optical and wetting behavior of GLAD PTFE thin films. Journal of Coatings Technology Research, 2021, 18, 173-182.	2.5	2
3	Fabrication of TiO2-based broadband single-layer anti-reflection coating by collimated glancing angle deposition technique. Nanotechnology, 2021, 32, 245708.	2.6	5
4	Eâ€Beam Evaporation of Silicon: Native Oxidation and Quasicontinuous Tailoring of Optical Properties. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100299.	1.8	2
5	Temperature threshold for localized surface plasmon resonance in glancing angle deposited ultra-thin silver films. Journal of Physics Condensed Matter, 2020, 32, 395701.	1.8	3
6	Demonstration of tunable Ag morphology from nanocolumns to discrete nanoislands using novel angle constrained glancing angle EB evaporation technique. Surface and Coatings Technology, 2019, 375, 363-369.	4.8	4
7	Effect of ultrathin Cu buffer layer on interfaces of Co/Ti multilayer for use in water-window region. AIP Conference Proceedings, 2019, , .	0.4	1
8	Optical, Photocatalytic and Wetting Behavior of GLAD N 2 â€TiO 2 Films. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900021.	1.8	3
9	Thicknessâ€dependent optical and structural properties of polytetrafluoroethylene/zinc oxide films by radio frequency magnetron sputtering. Advances in Polymer Technology, 2018, 37, 2774-2787.	1.7	2
10	A Fast and Facile Fabrication of PTFE Based Superhydrophobic and Ultra Wideband Angle Insensitive Antiâ€Reflection Coatings. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800041.	2.4	5
11	Annealing dependent evolution of columnar nanostructures in RF magnetron sputtered PTFE films for hydrophobic applications. Materials Research Express, 2018, 5, 015312.	1.6	7
12	A Fast and Facile Fabrication of PTFE Based Superhydrophobic and Ultra Wideband Angle Insensitive Anti-Reflection Coatings (Phys. Status Solidi RRL 6/2018). Physica Status Solidi - Rapid Research Letters, 2018, 12, 1870320.	2.4	0
13	Glancing angle deposition of SiO 2 thin films using a novel collimated magnetron sputtering technique. Surface and Coatings Technology, 2017, 319, 61-69.	4.8	11
14	The effect of pulse width on asymmetric bipolar pulse DC sputtered tantalum pentoxide thin films. AIP Conference Proceedings, 2017, , .	0.4	0
15	Annealing induced morphological modifications in PTFE films deposited by magnetron sputtering. AIP Conference Proceedings, 2017, , .	0.4	2
16	Temperature dependent optical characterization of Ni-TiO2 thin films as potential photocatalytic material. AIP Advances, 2017, 7, 095115.	1.3	6
17	Investigation on optical properties of spin coated TiO2/Co composite thin films. AIP Conference Proceedings, 2017, , .	0.4	2
18	Local Structure Investigation of Mnâ€and Coâ€“Doped TiO₂ Thin Films by Xâ€Ray Absorption Spectroscopy. ChemistrySelect, 2017, 2, 11012-11024.	1.5	5

#	Article	IF	Citations
19	Effect of oxygen partial pressure in deposition ambient on the properties of RF magnetron sputter deposited Gd_2O_3 thin films. Applied Optics, 2017, 56, 6114.	1.8	8
20	Performance of Co/Ti multilayers in a water window soft x-ray regime. Applied Optics, 2017, 56, 7525.	1.8	8
21	Effect of sputtering power on MgF2 thin films deposited by sputtering technique under fluorine trapping. AIP Conference Proceedings, 2016, , .	0.4	3
22	Investigation of optical and microstructural properties of RF magnetron sputtered PTFE films for hydrophobic applications. Applied Surface Science, 2016, 385, 289-298.	6.1	25
23	Surface characterization of magnesium fluoride thin films prepared by a fluorine trapping based non-reactive sputtering technique. Vacuum, 2016, 134, 110-119.	3.5	8
24	Study of interface correlation in W/C multilayer structure by specular and non-specular grazing incidence X-ray reflectivity measurements. Journal of Applied Physics, 2015, 118, 165312.	2.5	6