

Rajnarayan De

List of Publications by Year in descending order

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papers

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times ranked

153
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Effect of oxygen partial pressure in deposition ambient on the properties of RF magnetron sputter deposited Gd ₂ O ₃ thin films. Applied Optics, 2017, 56, 6114. | 1.8 | 8 |
| 5 | Performance of Co/Ti multilayers in a water window soft x-ray regime. Applied Optics, 2017, 56, 7525. | 1.8 | 8 |
| 6 | Annealing dependent evolution of columnar nanostructures in RF magnetron sputtered PTFE films for hydrophobic applications. Materials Research Express, 2018, 5, 015312. | 1.6 | 7 |
| 7 | 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 |
| 8 | Temperature dependent optical characterization of Ni-TiO ₂ thin films as potential photocatalytic material. AIP Advances, 2017, 7, 095115. | 1.3 | 6 |
| 9 | Local Structure Investigation of Mn ²⁺ and Co ²⁺ Doped TiO ₂ Thin Films by X-ray Absorption Spectroscopy. ChemistrySelect, 2017, 2, 11012-11024. | 1.5 | 5 |
| 10 | A Fast and Facile Fabrication of PTFE Based Superhydrophobic and Ultra Wideband Angle Insensitive Anti-Reflection Coatings. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800041. | 2.4 | 5 |
| 11 | Fabrication of TiO ₂ -based broadband single-layer anti-reflection coating by collimated glancing angle deposition technique. Nanotechnology, 2021, 32, 245708. | 2.6 | 5 |
| 12 | 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 |
| 13 | Effect of sputtering power on MgF ₂ thin films deposited by sputtering technique under fluorine trapping. AIP Conference Proceedings, 2016, , . | 0.4 | 3 |
| 14 | Optical, Photocatalytic and Wetting Behavior of GLAD N ₂ / TiO ₂ Films. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900021. | 1.8 | 3 |
| 15 | 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 |
| 16 | Annealing induced morphological modifications in PTFE films deposited by magnetron sputtering. AIP Conference Proceedings, 2017, , . | 0.4 | 2 |
| 17 | Investigation on optical properties of spin coated TiO ₂ /Co composite thin films. AIP Conference Proceedings, 2017, , . | 0.4 | 2 |
| 18 | Thickness 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Morphology-dependent optical and wetting behavior of GLAD PTFE thin films. Journal of Coatings Technology Research, 2021, 18, 173-182. | 2.5 | 2 |
| 20 | 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 |
| 21 | 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 |
| 22 | Spatially selective nanoplasmonic response in Ag embedded GLAD TiO ₂ nanocomposite thin films. Optical Materials, 2022, 126, 112122. | 3.6 | 1 |
| 23 | The effect of pulse width on asymmetric bipolar pulse DC sputtered tantalum pentoxide thin films. AIP Conference Proceedings, 2017, , . | 0.4 | 0 |
| 24 | 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 |