

Amol Singh

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

197
citations

8
h-index

13
g-index

37
ext. papers

259
ext. citations

4
avg, IF

2.57
L-index

#	Paper	IF	Citations
27	Jahn-Teller distortion driven magnetic polarons in magnetite. <i>Nature Communications</i> , 2017 , 8, 15929	17.4	37
26	Coulomb Correlations Intertwined with Spin and Orbital Excitations in LaCoO ₃ . <i>Physical Review Letters</i> , 2017 , 119, 196402	7.4	23
25	Cleaning of carbon layer from the gold films using a pulsed Nd:YAG laser. <i>Applied Surface Science</i> , 2013 , 283, 612-616	6.7	19
24	Excitonic dispersion of the intermediate spin state in LaCoO ₃ revealed by resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2018 , 98,	3.3	13
23	Study of structural and optical properties of zirconium carbide (ZrC) thin-films deposited by ion beam sputtering for soft x-ray optical applications. <i>Surface and Coatings Technology</i> , 2015 , 272, 409-414	4.4	12
22	Quantitative determination of higher harmonic content in the soft x-ray spectra of toroidal grating monochromator using a reflection multilayer. <i>Applied Optics</i> , 2012 , 51, 3552-7	1.7	11
21	A soft x-ray reflectivity beamline for 100-1500 eV energy range at Indus-2 synchrotron radiation source 2019 ,		9
20	Optical properties of zirconium carbide in 60-200 nm wavelength region using x-ray reflectivity technique. <i>Applied Optics</i> , 2015 , 54, 253-8	1.7	8
19	Study on effective cleaning of gold layer from fused silica mirrors using nanosecond-pulsed Nd:YAG laser. <i>Applied Optics</i> , 2013 , 52, 7540-8	1.7	8
18	Local spin moments, valency, and long-range magnetic order in monocrystalline and ultrathin films of Y ₃ Fe ₅ O ₁₂ garnet. <i>Physical Review B</i> , 2019 , 99,	3.3	7
17	Optical constants of e-beam-deposited zirconium dioxide measured in the 55-150 nm wavelength region using the reflectivity technique. <i>Applied Optics</i> , 2016 , 55, 3170-5	1.7	7
16	Analysis of soft x-ray/VUV transmission characteristics of Si and Al filters 2013 ,		6
15	Investigation on depth resolved compositions of e-beam deposited ZrO ₂ thin film. <i>Applied Surface Science</i> , 2017 , 419, 337-341	6.7	5
14	Influence of structural disorder on soft x-ray optical behavior of NbC thin films. <i>Journal of Applied Physics</i> , 2015 , 117, 175301	2.5	5
13	Investigation of local structural and magnetic properties of discontinuous to continuous layer of Co at Co/MgO interface in MgO/Co/MgO trilayer structure. <i>Journal of Alloys and Compounds</i> , 2017 , 700, 267-271	5.7	4
12	Strong localization of oxidized Co state in cobalt-hexacyanoferrate. <i>Scientific Reports</i> , 2017 , 7, 16579	4.9	4
11	Structure and composition of zirconium carbide thin-film grown by ion beam sputtering for optical applications 2014 ,		3

10	Study on effective laser cleaning method to remove carbon layer from a gold surface. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 152020	0.3	3
9	Effect of zirconium oxide local structure on soft x-ray optical properties near the oxygen K-edge region. <i>Journal of Applied Physics</i> , 2020 , 128, 065302	2.5	2
8	Development of the Soft X-ray AGM-AGS RIXS beamline at the Taiwan Photon Source. <i>Journal of Synchrotron Radiation</i> , 2021 , 28, 977-986	2.4	2
7	Optical constants of off-stoichiometric aluminum oxide thin film in 600 nm soft-X-ray/extreme ultraviolet region. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 101101	1.4	2
6	Glancing angle soft x-ray reflectivity (SXR) and total electron yield (TEY) characterization of ZrO ₂ thin film near O K-edge 2019 ,		2
5	Investigation of ZrC/Al interfaces in a Al/ZrC/Al/W waveguide-like structure by soft X-ray reflectivity technique. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2017 , 220, 6-8	1.7	1
4	Depth analysis of Al/ZrC interfaces using SIMS and x-ray reflectivity. <i>Surface and Interface Analysis</i> , 2018 , 50, 1239-1242	1.5	1
3	Comparison of Mo/Si and NbC/Si lamellar multilayer gratings near Si absorption edge 2014 ,		1
2	Study of soft x-ray optical properties of niobium carbide (NbC) thin film in 615 nm wavelength region. <i>Vacuum</i> , 2018 , 155, 60-63	3.7	1
1	Investigation of soft X-ray optical properties and their correlation with structural characteristics of zirconium oxide thin films. <i>Thin Solid Films</i> , 2021 , 721, 138552	2.2	0