

Juan F Trigo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/403261/publications.pdf>

Version: 2024-02-01

36
papers

578
citations

567281

15
h-index

610901

24
g-index

36
all docs

36
docs citations

36
times ranked

918
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical characterization of In ₂ S ₃ solar cell buffer layers grown by chemical bath and physical vapor deposition. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 1145-1148.	6.2	48
2	Quantitative analysis of REELS spectra of ZrO ₂ : Determination of the dielectric loss function and inelastic mean free paths. <i>Surface and Interface Analysis</i> , 1994, 22, 124-128.	1.8	45
3	Copper tin sulfide (CTS) absorber thin films obtained by co-evaporation: Influence of the ratio Cu/Sn. <i>Journal of Alloys and Compounds</i> , 2015, 642, 40-44.	5.5	40
4	Splitting of Ni ₃ d states at the surface of NiO nanostructures. <i>Physical Review B</i> , 2006, 74, .	3.2	38
5	Structural, chemical, and optical properties of tin sulfide thin films as controlled by the growth temperature during co-evaporation and subsequent annealing. <i>Journal of Materials Science</i> , 2013, 48, 3943-3949.	3.7	33
6	Crystal-Field Effects at the TiO ₂ /SiO ₂ Interface As Observed by X-ray Absorption Spectroscopy. <i>Langmuir</i> , 2000, 16, 7066-7069.	3.5	32
7	SnS absorber thin films by co-evaporation: Optimization of the growth rate and influence of the annealing. <i>Thin Solid Films</i> , 2015, 582, 249-252.	1.8	30
8	Influence of surface density on the CO ₂ photoreduction activity of a DC magnetron sputtered TiO ₂ catalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 912-918.	20.2	30
9	Study of the optical constants determination of thin films: Dependence on theoretical assumptions. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1995, 13, 2378-2383.	2.1	28
10	Pulsed laser deposition and electrodeposition techniques in growing CdTe and Cd _x Hg _{1-x} Te thin films. <i>Thin Solid Films</i> , 2000, 361-362, 65-69.	1.8	26
11	Comparative Performance of Semi-Transparent PV Modules and Electrochromic Windows for Improving Energy Efficiency in Buildings. <i>Energies</i> , 2018, 11, 1526.	3.1	26
12	Optical and structural characterisation of single and multilayer germanium/silicon monoxide systems. <i>Thin Solid Films</i> , 2005, 485, 274-283.	1.8	23
13	Interlaboratory indoor ageing of roll-to-roll and spin coated organic photovoltaic devices: Testing the ISOS tests. <i>Polymer Degradation and Stability</i> , 2014, 109, 162-170.	5.8	17
14	Simplified modulated evaporation process for the production of CuInS ₂ films with reduced substrate temperatures. <i>Thin Solid Films</i> , 2009, 517, 2167-2170.	1.8	15
15	Round robin performance testing of organic photovoltaic devices. <i>Renewable Energy</i> , 2014, 63, 376-387.	8.9	15
16	Growth of SnS thin films by co-evaporation and sulfurization for use as absorber layers in solar cells. <i>Materials Chemistry and Physics</i> , 2015, 167, 165-170.	4.0	14
17	Atomic force microscope study of the early stages of NiO deposition on graphite and mica. <i>Thin Solid Films</i> , 1998, 317, 59-63.	1.8	13
18	Dielectric Properties of Ti, TiO ₂ and TiN from 1.5 to 60 eV Determined by Reflection Electron Energy Loss Spectroscopy (REELS) and Ellipsometry. <i>Physica Status Solidi A</i> , 1999, 175, 429-436.	1.7	13

#	ARTICLE	IF	CITATIONS
19	Copper tin sulfide (Cu _x SnS _y) thin films evaporated with x = 3,4 atomic ratios: Influence of the substrate temperature and the subsequent annealing in sulfur. Materials Research Bulletin, 2016, 83, 116-121.	5.2	13
20	CuAl _x Ga _{1-x} Se ₂ thin films for photovoltaic applications: Structural, electrical and morphological analysis. Materials Research Bulletin, 2012, 47, 2518-2524.	5.2	10
21	Calibration of the Probing Depth by Total Electron Yield of EXAFS Spectra in Oxide Overlayers (Ta ₂ O ₅). Tj ETQq1 1 0.784314,rgBT /O	1.8	1
22	Co-evaporated Tin Sulfide Thin Films on Bare and Mo-coated Glass Substrates as Photovoltaic Absorber Layers. Energy Procedia, 2014, 44, 96-104.	1.8	9
23	Structural behavior of sputtered Co/Cu multilayers. Solid State Communications, 1996, 98, 179-184.	1.9	8
24	Cu ₂ ZnSnS ₄ thin films obtained by sulfurization of evaporated Cu ₂ SnS ₃ and ZnS layers: Influence of the ternary precursor features. Applied Surface Science, 2017, 400, 220-226.	6.1	8
25	Factor analysis applied to the study of valence band resonant photoemission spectra in transition-metal compounds. Surface and Interface Analysis, 2002, 34, 244-247.	1.8	6
26	Thin BN films obtained by dual-ion-beam sputtering: an FT-IR and spectroscopic ellipsometry characterization. Nuclear Instruments & Methods in Physics Research B, 1996, 112, 275-279.	1.4	5
27	Understanding ultrafast charge transfer processes in SnS and SnS ₂ : using the core hole clock method to measure attosecond orbital-dependent electron delocalisation in semiconducting layered materials. Journal of Materials Chemistry C, 2021, 9, 11859-11872.	5.5	5
28	Characterization of Zr thin films grown by dual ion-beam sputtering. Vacuum, 1994, 45, 1039-1041.	3.5	4
29	Catalytic oxidation of Mo by caesium oxides. Surface and Interface Analysis, 1992, 19, 553-558.	1.8	3
30	Optical properties of Zr films grown under ion bombardment. Thin Solid Films, 1993, 228, 100-104.	1.8	3
31	Structural behavior of Co/Cu multilayers studied by X-ray absorption spectroscopy. Journal of Magnetism and Magnetic Materials, 1996, 161, 31-36.	2.3	3
32	Correlation of the near-infrared optical absorption with Cu concentration in coevaporated Cu ⁺ In ⁺ S films. Thin Solid Films, 2009, 517, 2260-2263.	1.8	3
33	Structural, optical and electrical properties of evaporated kesterite films with different off-stoichiometric type. Materials Research Bulletin, 2022, 152, 111844.	5.2	3
34	Thin film component development for Cu(InGa)Se ₂ /CdS/ITO solar cells for space. , 0, , .		0
35	Optical characterization procedure for large thin films. , 2007, 6617, 312.		0
36	A European proficiency test on thin-film tandem photovoltaic devices. Progress in Photovoltaics: Research and Applications, 2020, 28, 1258-1276.	8.1	0