Michal Kohout

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2579735/publications.pdf

Version: 2024-02-01

25	284	933447 10	888059 17
papers	citations	h-index	g-index

25	25	25	458
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photo-induced electrochemical functionality of the TiO2 nanoscale films. Electrochimica Acta, 2009, 54, 3352-3359.	5.2	34
2	Development of Bismuth Hall sensors for ITER steady state magnetic diagnostics. Fusion Engineering and Design, 2017, 123, 690-694.	1.9	23
3	Preparation of thin phthalocyanine layers and their structural and absorption properties. Thin Solid Films, 2009, 517, 5274-5279.	1.8	21
4	High magnetic field test of bismuth Hall sensors for ITER steady state magnetic diagnostic. Review of Scientific Instruments, 2016, 87, 11D446.	1.3	20
5	Rutile TiO2 thin film electrodes with excellent blocking function and optical transparency. Electrochimica Acta, 2019, 321, 134685.	5.2	19
6	Co3O4 thin films prepared by hollow cathode discharge. Surface and Coatings Technology, 2019, 366, 303-310.	4.8	19
7	Advanced methods for titanium (IV) oxide thin functional coatings. Surface and Coatings Technology, 2008, 202, 2379-2383.	4.8	18
8	Optically transparent composite diamond/Ti electrodes. Carbon, 2017, 119, 179-189.	10.3	18
9	Performance of metal Hall sensors based on copper. Fusion Engineering and Design, 2013, 88, 1310-1314.	1.9	13
10	Prospects for the steady-state magnetic diagnostic based on antimony Hall sensors for future fusion power reactors. Fusion Engineering and Design, 2019, 146, 526-530.	1.9	13
11	Preparation and photoelectrochemical performance of porous TiO2/graphene nanocomposite films. Materials Letters, 2018, 213, 109-113.	2.6	10
12	High rate deposition of photoactive TiO2 films by hot hollow cathode. Surface and Coatings Technology, 2020, 383, 125256.	4.8	10
13	Effect of Substrate and Thickness on the Photoconductivity of Nanoparticle Titanium Dioxide Thin Film Vacuum Ultraviolet Photoconductive Detector. Nanomaterials, 2022, 12, 10.	4.1	10
14	Niâ€“TiO 2 nanocomposite films and their magnetic properties. Physica B: Condensed Matter, 2016, 503, 44-50.	2.7	9
15	Temperature dependence of the Hall coefficient of sensitive layer materials considered for DEMO Hall sensors. Fusion Engineering and Design, 2020, 153, 111454.	1.9	9
16	Low temperature synthesis of transparent conductive boron doped diamond films for optoelectronic applications: Role of hydrogen on the electrical properties. Applied Materials Today, 2020, 19, 100633.	4.3	8
17	Titanium dioxide thin films as vacuum ultraviolet photoconductive detectors with enhanced photoconductivity by gamma-ray irradiation. Thin Solid Films, 2021, 726, 138637.	1.8	8
18	WO3 and WO3-x thin films prepared by DC hollow cathode discharge. Vacuum, 2022, 195, 110679.	3.5	7

#	Article	IF	Citations
19	Recent results and challenges in development of metallic Hall sensors for fusion reactors. AIP Conference Proceedings, 2014, , .	0.4	4
20	ZnO thin films prepared by surfatron produced discharge. Catalysis Today, 2014, 230, 119-124.	4.4	3
21	Optical emission spectroscopy of High Power Impulse Magnetron Sputtering (HiPIMS) of CIGS thin films. , 2014, , .		3
22	Ni nanoparticles in TiO2 films and their magnetic properties. Physica B: Condensed Matter, 2020, 578, 411862.	2.7	3
23	Preparation of CIGS Thin Films by HiPIMS or DC Sputtering and Various Selenization Processes. Journal of Advanced Oxidation Technologies, 2013, 16, .	0.5	2
24	System for time-resolved laser absorption spectroscopy and its application to high-power impulse magnetron sputtering. Review of Scientific Instruments, 2017, 88, 023105.	1.3	0
25	Vacuum ultraviolet photoconductive detector based on anatase TiO2 thin film deposited on SiO2 substrate. Materials Today: Proceedings, 2022, , .	1.8	0