

Nicolae Catalin Zoita

List of Publications by Year in descending order

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40
papers

762
citations

471371
17
h-index

526166
27
g-index

41
all docs

41
docs citations

41
times ranked

706
citing authors

#	ARTICLE	IF	CITATIONS
1	SiC- and Ag-SiC-Doped Hydroxyapatite Coatings Grown Using Magnetron Sputtering on Ti Alloy for Biomedical Application. <i>Coatings</i> , 2022, 12, 195.	1.2	4
2	A comparative investigation of hetero-epitaxial TiC thin films deposited by magnetron sputtering using either hybrid DCMS/HiPIMS or reactive DCMS process. <i>Applied Surface Science</i> , 2021, 537, 147903.	3.1	10
3	Heteroepitaxial Ga_2O_3 on Conductive Ceramic Templates: Toward Ultrahigh Gain Deep-Ultraviolet Photodetection. <i>Advanced Materials Technologies</i> , 2021, 6, 2100142.	3.0	10
4	Design, analysis and evaluation of titanium antenna reflector for deep space missions. <i>Acta Astronautica</i> , 2021, 184, 101-118.	1.7	5
5	Functionalized Carbon Nanotubes for Chemical Sensing: Electrochemical Detection of Hydrogen Isotopes. <i>Coatings</i> , 2021, 11, 968.	1.2	0
6	Silicon-integrated monocrystalline oxide-nitride heterostructures for deep-ultraviolet optoelectronics. <i>Optical Materials Express</i> , 2021, 11, 4130.	1.6	4
7	Characterization of epitaxial titanium nitride mediated single-crystal nickel oxide grown on MgO-(100) and Si-(100). <i>AIP Advances</i> , 2020, 10, 065318.	0.6	4
8	Epitaxial GeSn Obtained by High Power Impulse Magnetron Sputtering and the Heterojunction with Embedded GeSn Nanocrystals for Shortwave Infrared Detection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33879-33886.	4.0	17
9	Deep-Ultraviolet Ga_2O_3 Photodetectors Grown on MgO Substrates with a TiN Template. , 2019, , .		1
10	Design, fabrication and characterization of TiO ₂ -SiO ₂ multilayer with tailored color glazing for thermal solar collectors. <i>Materials and Design</i> , 2017, 130, 275-284.	3.3	21
11	Tunable Optical Properties of SiN _x Thin Films by OES Monitoring in a Reactive RF Magnetron Plasma. <i>Plasma Processes and Polymers</i> , 2016, 13, 208-216.	1.6	4
12	Hetero-epitaxial growth of TiC films on MgO(001) at 100 °C by DC reactive magnetron sputtering. <i>Thin Solid Films</i> , 2015, 589, 590-596.	0.8	21
13	Solid solution or amorphous phase formation in TiZr-based ternary to quinary multi-principal-element films. <i>Progress in Natural Science: Materials International</i> , 2014, 24, 305-312.	1.8	28
14	Influence of film thickness on the morphological and electrical properties of epitaxial TiC films deposited by reactive magnetron sputtering on MgO substrates. <i>Journal of Crystal Growth</i> , 2014, 389, 92-98.	0.7	16
15	Deposition and characterization of multi-principal-element (CuSiTiYZr)C coatings. <i>Applied Surface Science</i> , 2013, 284, 671-678.	3.1	52
16	Pulsed laser deposition of (Co, Fe)-doped ZnSnSb and MnGeSb thin films on silicon. <i>Applied Surface Science</i> , 2013, 284, 950-955.	3.1	2
17	Influence of growth temperature and deposition duration on the structure, surface morphology and optical properties of InN/YSZ (100). <i>Applied Surface Science</i> , 2012, 258, 6046-6051.	3.1	5
18	(Ti,Cr,Nb)CN coatings deposited on nitrated high-speed steel by cathodic arc method. <i>Surface and Coatings Technology</i> , 2011, 205, S209-S213.	2.2	10

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19	(Zr,Ti)CN coatings as potential candidates for biomedical applications. Surface and Coatings Technology, 2011, 206, 604-609.	2.2	44
20	Structure and properties of Zr/ZrCN coatings deposited by cathodic arc method. Materials Chemistry and Physics, 2011, 126, 818-825.	2.0	28
21	Preparation and characterization of biocompatible NbC coatings. Thin Solid Films, 2011, 519, 4064-4068.	0.8	47
22	Influence of process parameters on structure and optical properties of GeC thin films deposited by RF magnetron sputtering. Thin Solid Films, 2011, 519, 4101-4104.	0.8	25
23	Study of (Zr,Ti)CN, (Zr,Hf)CN and (Zr,Nb)CN films prepared by reactive magnetron sputtering. Thin Solid Films, 2011, 519, 4092-4096.	0.8	37
24	TiAlN/TiAlZrN multilayered hard coatings for enhanced performance of HSS drilling tools. Surface and Coatings Technology, 2010, 204, 1925-1928.	2.2	46
25	Characterization of NbC coatings deposited by magnetron sputtering method. Surface and Coatings Technology, 2010, 204, 2002-2005.	2.2	25
26	Characteristics of (TiAlCrNbY)C films deposited by reactive magnetron sputtering. Surface and Coatings Technology, 2010, 204, 2010-2014.	2.2	67
27	Characterization of Zr-based hard coatings for medical implant applications. Surface and Coatings Technology, 2010, 204, 2046-2050.	2.2	52
28	On the morphology and texture of InN thin films deposited by reactive RF-magnetron sputtering. , 2010, , ,		1
29	Characteristics of TiNb, TiZr and TiAl containing hydrogenated carbon nitride films. Solid State Sciences, 2009, 11, 1773-1777.	1.5	13
30	Status of an R&D project of a positron gun at Horia Hulubei NIPNE Bucharest. Applied Surface Science, 2008, 255, 46-49.	3.1	0
31	Structural, mechanical and corrosion properties of TiOxNy/ZrOxNy multilayer coatings. Surface and Coatings Technology, 2008, 202, 2384-2388.	2.2	14
32	Characteristics of arc plasma deposited TiAlZrCN coatings. Surface and Coatings Technology, 2008, 202, 3981-3987.	2.2	29
33	Nuclear resonance spectroscopy of the 31-yr isomer of Hf-178. Laser Physics Letters, 2005, 2, 162-167.	0.6	15
34	The use of selected monochromatic X-rays to induce a cascade of gamma transitions from the 31-year nuclear isomer to the 4 second isomeric state of Hf-178. European Physical Journal Special Topics, 2005, 127, 163-168.	0.2	1
35	Accelerated \hat{I}^3 -emission from isomeric nuclei. Radiation Physics and Chemistry, 2004, 71, 619-625.	1.4	17
36	Tunable synchrotron radiation used to induce \hat{I}^3 -emission from the 31 year isomer of 178 Hf. Europhysics Letters, 2002, 57, 677-682.	0.7	31

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37	Gamma-Ray Transitions Induced in Nuclear Spin Isomers by X-Rays. <i>Hyperfine Interactions</i> , 2001, 135, 51-70.	0.2	19
38	Gamma-ray transitions induced in nuclear spin isomers by X-rays. <i>European Physical Journal Special Topics</i> , 2001, 11, Pr2-437-Pr2-440.	0.2	4
39	$\hat{\text{I}}^3$ emission from the 31-yr isomer of ^{178}Hf induced by x-ray irradiation. <i>Physical Review C</i> , 2000, 61, .	1.1	30
40	Influence of He, Ne and Kr addition in reactive Ar/N ₂ dc magnetron plasma on TiN deposition. <i>Vacuum</i> , 1999, 53, 41-45.	1.6	3