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List of Publications by Year
in descending order

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36	696	567144	580701
papers	citations	15	25
		h-index	g-index

36	36	36	869
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Pt nanoparticle decoration on the H2 storage performance of plasma-derived nanoporous graphene. Carbon, 2021, 171, 294-305.	5.4	27
2	Ceramic buckling for determining the residual stress in thin films. Scripta Materialia, 2021, 201, 113949.	2.6	3
3	High-dose ion irradiation damage in Fe28Ni28Mn26Cr18 characterised by TEM and depth-sensing nanoindentation. Nuclear Materials and Energy, 2021, 28, 101028.	0.6	3
4	Nanostructural Characterisation and Optical Properties of Sputter-Deposited Thick Indium Tin Oxide (ITO) Coatings. Coatings, 2020, 10, 1127.	1.2	7
5	Study of the synthesis of C:H coating by PECVD for protecting Mgâ€based nanoâ€objects. Plasma Processes and Polymers, 2020, 17, 2000083.	1.6	1
6	Effects of interfacial microstructure on mechanical properties of Stellite-hardfaced coating during long-term aging. Surface and Coatings Technology, 2020, 398, 125989.	2.2	6
7	In situ ice growth kinetics on water-repellent coatings under atmospheric icing conditions. Surface and Coatings Technology, 2020, 399, 126136.	2.2	6
8	Coupled Broad Ion Beamâ€“Scanning Electron Microscopy (BIBâ€“SEM) for polishing and three dimensional (3D) serial section tomography (SST). Ultramicroscopy, 2020, 214, 112989.	0.8	20
9	Microstructural and mechanical characterization of Stellite-hardfaced coatings with two types of buffer layers. Surface and Coatings Technology, 2020, 390, 125611.	2.2	5
10	Hard titanium nitride coating deposition inside narrow tubes using pulsed DC PECVD processes. Surface and Coatings Technology, 2019, 377, 124894.	2.2	13
11	Solid solution hardening in nanolaminate ZrN-TiN coatings with enhanced wear resistance. Thin Solid Films, 2019, 688, 137431.	0.8	15
12	On the Application of Xe+ Plasma FIB for Micro-fabrication of Small-scale Tensile Specimens. Experimental Mechanics, 2019, 59, 1113-1125.	1.1	9
13	Sputter-deposited nitrides for oxidation protection in a steam environment at high temperatures. Thin Solid Films, 2019, 688, 137439.	0.8	9
14	Impact dynamics of supercooled microdroplets on water-repellent coatings. Thin Solid Films, 2019, 688, 137309.	0.8	8
15	Thermal stability of a Stellite/steel hardfacing interface during long-term aging. Materials Characterization, 2019, 154, 181-192.	1.9	15
16	Novel combustion synthesis of carbon foamâ€‘aluminum fluoride nanocomposite materials. Materials and Design, 2018, 144, 222-228.	3.3	14
17	3D Imaging of Indentation Damage in Bone. Materials, 2018, 11, 2533.	1.3	3
18	Predicting the Load-Carrying Capacity and Wear Resistance of Duplex-Coated Low-Strength Alloys for Severe Service Ball Valves. Journal of Thermal Spray Technology, 2018, 27, 1177-1186.	1.6	1

#	Article	IF	Citations
19	Influence of internal stress in optical thin films on their failure modes assessed by in situ real-time scratch analysis. Tribology International, 2017, 109, 355-366.	3.0	11
20	Hybrid organic/inorganic nanolaminate structures with enhanced tribo-mechanical properties for optical applications. Surface and Coatings Technology, 2017, 315, 399-407.	2.2	9
21	Hybrid Co-Cr/W-WC and Ni-W-Cr-B/W-WC Coating Systems. Journal of Thermal Spray Technology, 2016, 25, 346-356.	1.6	8
22	Cavitation erosion mechanisms in stainless steels and in composite metalâ€“ceramic HVOF coatings. Wear, 2016, 364-365, 201-210.	1.5	66
23	Toward a Better Understanding of the Influence of the Hydrocarbon Precursor on the Mechanical Properties of aâ€C:H Coatings Synthesized by a Hybrid PECVD/PVD Method. Plasma Processes and Polymers, 2016, 13, 316-323.	1.6	22
24	Stable reactive deposition of amorphous Al 2 O 3 films with low residual stress and enhanced toughness using pulsed dc magnetron sputtering with very low duty cycle. Vacuum, 2016, 124, 96-100.	1.6	24
25	In situ real time nanowear testing method of optical functional thin films. Tribology International, 2016, 95, 147-155.	3.0	5
26	Correlation Between Mechanical Properties and Crossâ€Linking Degree of Ethyl Lactate Plasma Polymer Films. Plasma Processes and Polymers, 2015, 12, 508-518.	1.6	44
27	Solid particle erosion mechanisms of protective coatings for aerospace applications. Surface and Coatings Technology, 2014, 257, 165-181.	2.2	112
28	Growth and properties of high index Ta2O5 optical coatings prepared by HiPIMS and other methods. Surface and Coatings Technology, 2014, 241, 33-37.	2.2	20
29	Effect of erodent properties on the solid particle erosion mechanisms of brittle materials. Journal of Materials Science, 2013, 48, 5543-5558.	1.7	25
30	Solid particle erosion mechanisms of hard protective coatings. Surface and Coatings Technology, 2013, 235, 383-393.	2.2	35
31	In situ real-time solid particle erosion testing methodology for hard protective coatings. Surface and Coatings Technology, 2013, 237, 313-319.	2.2	4
32	Tantalum-doped hydroxyapatite thin films: Synthesis and characterization. Acta Materialia, 2012, 60, 3435-3443.	3.8	25
33	Effect of Cr interlayer on the adhesion and corrosion enhancement of nanocomposite TiN-based coatings deposited on stainless steel 410. Thin Solid Films, 2011, 519, 3128-3134.	0.8	19
34	Influence of the Chemical Composition on the Phase Constitution and the Elastic Properties of RFâ€Sputtered Hydroxyapatite Coatings. Plasma Processes and Polymers, 2008, 5, 168-174.	1.6	24
35	Effect of microstructure on the erosion resistance of Crâ€“Siâ€“N coatings. Surface and Coatings Technology, 2008, 203, 776-780.	2.2	52
36	Tribo-Mechanical Properties of DLC Coatings Deposited on Nitrided Biomedical Stainless Steel. Plasma Processes and Polymers, 2007, 4, S640-S646.	1.6	26