Jianliang Lin

List of Publications by Year
in descending order

31 papers	1,346 citations	331259 21 h-index	476904 29 g-index
31 all docs	31 docs citations	31 times ranked	1255 citing authors

#	Article	IF	Citations
1	Effects of racetrack magnetic field strength on structure and properties of amorphous carbon coatings deposited by HiPIMS using deep oscillation pulses. Surface and Coatings Technology, 2022, 438, 128417.	2.2	6
2	Development of thermal barrier coatings using reactive pulsed dc magnetron sputtering for thermal protection of titanium alloys. Surface and Coatings Technology, 2020, 403, 126377.	2.2	8
3	Thick CrN/AlN superlattice coatings deposited by hot filament assisted HiPIMS for solid particle erosion and high temperature wear resistance. Surface and Coatings Technology, 2019, 377, 124922.	2.2	16
4	High rate reactive sputtering of Al2O3 coatings by HiPIMS. Surface and Coatings Technology, 2019, 357, 402-411.	2.2	20
5	Tribocorrosion behavior of low friction TiSiCN nanocomposite coatings deposited on titanium alloy for biomedical applications. Surface and Coatings Technology, 2018, 347, 1-12.	2.2	52
6	A comparative study of thick TiSiCN nanocomposite coatings deposited by dcMS and HiPIMS with and without PEMS assistance. Surface and Coatings Technology, 2018, 338, 84-95.	2.2	34
7	TiSiCN and TiAlVSiCN nanocomposite coatings deposited from Ti and Ti-6Al-4V targets. Surface and Coatings Technology, 2018, 336, 106-116.	2.2	21
8	Thick diamond like carbon coatings deposited by deep oscillation magnetron sputtering. Surface and Coatings Technology, 2017, 315, 294-302.	2.2	29
9	Tribocorrosion behavior of DLC-coated Ti-6Al-4V alloy deposited by PIID and PEMS + PIID techniques for biomedical applications. Surface and Coatings Technology, 2017, 332, 223-232.	2.2	50
10	C-axis orientated AlN films deposited using deep oscillation magnetron sputtering. Applied Surface Science, 2017, 396, 129-137.	3.1	30
11	Development and evaluation of low friction TiSiCN nanocomposite coatings for piston ring applications. Surface and Coatings Technology, 2016, 298, 121-131.	2.2	58
12	Structure and properties of CrSiCN coatings deposited by pulsed dc magnetron sputtering for wear and erosion protection. Surface and Coatings Technology, 2016, 287, 44-54.	2.2	29
13	Structure and properties of Cr2O3 coatings deposited using DCMS, PDCMS, and DOMS. Surface and Coatings Technology, 2015, 276, 70-76.	2.2	45
14	The structure, oxidation resistance, mechanical and tribological properties of CrTiAlN coatings. Surface and Coatings Technology, 2015, 277, 58-66.	2.2	22
15	The Process Optimization of Smart Nanostructured AlN Thin Films Sputtered by Pulsed DC. Jom, 2015, 67, 867-871.	0.9	2
16	Structure and properties of uranium oxide thin films deposited by pulsed dc magnetron sputtering. Applied Surface Science, 2014, 301, 475-480.	3.1	23
17	Thermal Conductivity in Nanocrystalline Ceria Thin Films. Journal of the American Ceramic Society, 2014, 97, 562-569.	1.9	58
18	Diamond like carbon films deposited by HiPIMS using oscillatory voltage pulses. Surface and Coatings Technology, 2014, 258, 1212-1222.	2.2	64

#	Article	IF	Citations
19	Anatase and rutile TiO₂films deposited by arc-free deep oscillation magnetron sputtering. Journal Physics D: Applied Physics, 2013, 46, 084008.	1.3	63
20	Structure and properties of CrSiN nanocomposite coatings deposited by hybrid modulated pulsed power and pulsed dc magnetron sputtering. Surface and Coatings Technology, 2013, 216, 251-258.	2.2	59
21	High rate deposition of thick CrN and Cr2N coatings using modulated pulse power (MPP) magnetron sputtering. Surface and Coatings Technology, 2011, 205, 3226-3234.	2.2	125
22	Recent advances in modulated pulsed power magnetron sputtering for surface engineering. Jom, 2011, 63, 48-58.	0.9	77
23	High temperature oxidation behavior of CrN/AlN superlattice films. Thin Solid Films, 2011, 519, 2402-2408.	0.8	24
24	The Effect of Magnetron Pulsing on the Structure and Properties of Tribological Cr-Al-N Coatings. Journal of Nanoscience and Nanotechnology, 2010, 10, 1278-1285.	0.9	0
25	The structure and properties of chromium nitride coatings deposited using dc, pulsed dc and modulated pulse power magnetron sputtering. Surface and Coatings Technology, 2010, 204, 2230-2239.	2.2	155
26	The structure and mechanical and tribological properties of TiBCN nanocomposite coatings. Acta Materialia, 2010, 58, 1554-1564.	3.8	132
27	Effect of Negative Substrate Bias on the Structure and Properties of Ta Coatings Deposited Using Modulated Pulse Power Magnetron Sputtering. IEEE Transactions on Plasma Science, 2010, 38, 3071-3078.	0.6	48
28	Processing, Structure, and Properties of Nanostructured Multifunctional Tribological Coatings. Journal of Nanoscience and Nanotechnology, 2009, 9, 4073-4084.	0.9	3
29	The Development of a Nanostructured, Graded Multilayer Cr-Cr_{<I>x</I>}N_{<I>y</I>}-Cr<SUB>1â^'<I>x</I></S Coating Produced by Pulsed Closed Field Unbalanced Magnetron Sputtering (P-CFUBMS) for Use in Aluminum Pressure Die Casting Dies. Journal of Nanoscience and Nanotechnology, 2009, 9, 3514-3523.	0.9	8
30	Effect of asynchronous pulsing parameters on the structure and properties of CrAlN films deposited by pulsed closed field unbalanced magnetron sputtering (P-CFUBMS). Surface and Coatings Technology, 2008, 202, 1418-1436.	2.2	82
31	NANOSTRUCTURED, MULTIFUNCTIONAL TRIBOLOGICAL COATINGS. , 2007, , 329-379.		3