

Jianliang Lin

List of Publications by Year in descending order

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31
papers

1,346
citations

331259

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476904

29
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all docs

31
docs citations

31
times ranked

1255
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The structure and mechanical and tribological properties of TiBCN nanocomposite coatings. Acta Materialia, 2010, 58, 1554-1564.	3.8	132
3	High rate deposition of thick CrN and Cr ₂ N coatings using modulated pulse power (MPP) magnetron sputtering. Surface and Coatings Technology, 2011, 205, 3226-3234.	2.2	125
4	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
5	Recent advances in modulated pulsed power magnetron sputtering for surface engineering. Jom, 2011, 63, 48-58.	0.9	77
6	Diamond like carbon films deposited by HiPIMS using oscillatory voltage pulses. Surface and Coatings Technology, 2014, 258, 1212-1222.	2.2	64
7	Anatase and rutile TiO ₂ films deposited by arc-free deep oscillation magnetron sputtering. Journal Physics D: Applied Physics, 2013, 46, 084008.	1.3	63
8	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
9	Thermal Conductivity in Nanocrystalline Ceria Thin Films. Journal of the American Ceramic Society, 2014, 97, 562-569.	1.9	58
10	Development and evaluation of low friction TiSiCN nanocomposite coatings for piston ring applications. Surface and Coatings Technology, 2016, 298, 121-131.	2.2	58
11	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
12	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
13	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
14	Structure and properties of Cr ₂ O ₃ coatings deposited using DCMS, PDCMS, and DOMS. Surface and Coatings Technology, 2015, 276, 70-76.	2.2	45
15	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
16	C-axis orientated AlN films deposited using deep oscillation magnetron sputtering. Applied Surface Science, 2017, 396, 129-137.	3.1	30
17	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
18	Thick diamond like carbon coatings deposited by deep oscillation magnetron sputtering. Surface and Coatings Technology, 2017, 315, 294-302.	2.2	29

#	ARTICLE	IF	CITATIONS
19	High temperature oxidation behavior of CrN/AlN superlattice films. <i>Thin Solid Films</i> , 2011, 519, 2402-2408.	0.8	24
20	Structure and properties of uranium oxide thin films deposited by pulsed dc magnetron sputtering. <i>Applied Surface Science</i> , 2014, 301, 475-480.	3.1	23
21	The structure, oxidation resistance, mechanical and tribological properties of CrTiAlN coatings. <i>Surface and Coatings Technology</i> , 2015, 277, 58-66.	2.2	22
22	TiSiCN and TiAlVSiCN nanocomposite coatings deposited from Ti and Ti-6Al-4V targets. <i>Surface and Coatings Technology</i> , 2018, 336, 106-116.	2.2	21
23	High rate reactive sputtering of Al ₂ O ₃ coatings by HiPIMS. <i>Surface and Coatings Technology</i> , 2019, 357, 402-411.	2.2	20
24	Thick CrN/AlN superlattice coatings deposited by hot filament assisted HiPIMS for solid particle erosion and high temperature wear resistance. <i>Surface and Coatings Technology</i> , 2019, 377, 124922.	2.2	16
25	The Development of a Nanostructured, Graded Multilayer Cr-Cr_xN_y-Cr_{1-x}N_{1-y} Coating Produced by Pulsed Closed Field Unbalanced Magnetron Sputtering (P-CFUBMS) for Use in Aluminum Pressure Die Casting Dies. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3514-3523.	0.9	8
26	Development of thermal barrier coatings using reactive pulsed dc magnetron sputtering for thermal protection of titanium alloys. <i>Surface and Coatings Technology</i> , 2020, 403, 126377.	2.2	8
27	Effects of racetrack magnetic field strength on structure and properties of amorphous carbon coatings deposited by HiPIMS using deep oscillation pulses. <i>Surface and Coatings Technology</i> , 2022, 438, 128417.	2.2	6
28	NANOSTRUCTURED, MULTIFUNCTIONAL TRIBOLOGICAL COATINGS. , 2007, , 329-379.		3
29	Processing, Structure, and Properties of Nanostructured Multifunctional Tribological Coatings. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 4073-4084.	0.9	3
30	The Process Optimization of Smart Nanostructured AlN Thin Films Sputtered by Pulsed DC. <i>Jom</i> , 2015, 67, 867-871.	0.9	2
31	The Effect of Magnetron Pulsing on the Structure and Properties of Tribological Cr-Al-N Coatings. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 1278-1285.	0.9	0