

Dinesh Kumar D

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

448
citations

840776

11
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	Inter-diffusion effects and tribological behaviour of electron beam evaporated Ni-YSZ nanocomposite coatings subjected to diffusion annealing with borosilicate glass for nuclear applications. <i>Ceramics International</i> , 2022, 48, 13319-13330.	4.8	1
2	Probing the Impact of Tribolayers on Enhanced Wear Resistance Behavior of Carbon-Rich Molybdenum-Based Coatings. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 26148-26161.	8.0	10
3	Effect of substrate temperature and preferred orientation on the tribological properties of Tantalum nitride coatings. <i>Materials Today: Proceedings</i> , 2021, 44, 4404-4408.	1.8	5
4	Deposition and characterization Zr-Al-N coatings prepared by magnetron sputtering for tribological applications. <i>Materials Today: Proceedings</i> , 2021, 44, 3701-3706.	1.8	1
5	Silver decorated CeO ₂ nanoparticles for rapid photocatalytic degradation of textile rose bengal dye. <i>Scientific Reports</i> , 2021, 11, 1080.	3.3	94
6	Tribological properties of YSZ and YSZ/Ni-YSZ nanocomposite coatings prepared by electron beam physical vapour deposition. <i>Ceramics International</i> , 2021, 47, 26010-26018.	4.8	6
7	Preparation, characterization and some electrochemical study of waste derived iron Oxide-Carbon nanocomposite. <i>Materials Today: Proceedings</i> , 2021, 47, 1048-1053.	1.8	5
8	Tribochemistry of TaN, TiAlN and TaAlN coatings under ambient atmosphere and high-vacuum sliding conditions. <i>Applied Surface Science</i> , 2020, 499, 143989.	6.1	17
9	Biocorrosion and biological properties of sputtered ceramic carbide coatings for biomedical applications. <i>Surface and Coatings Technology</i> , 2019, 374, 569-578.	4.8	23
10	Tribochemistry of contact interfaces of nanocrystalline molybdenum carbide films. <i>Applied Surface Science</i> , 2018, 447, 677-686.	6.1	20
11	Film thickness effect and substrate dependent tribo-mechanical characteristics of titanium nitride films. <i>Surfaces and Interfaces</i> , 2018, 12, 78-85.	3.0	14
12	Multifunctional zirconium nitride/copper multilayer coatings on medical grade 316L SS and titanium substrates for biomedical applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 77, 106-115.	3.1	42
13	Wear resistant super-hard multilayer transition metal-nitride coatings. <i>Surfaces and Interfaces</i> , 2017, 7, 74-82.	3.0	60
14	Tribo-mechanical properties of reactive magnetron sputtered transition metal carbide coatings. <i>Tribology International</i> , 2017, 114, 234-244.	5.9	36
15	Improvement in wear resistance of C+ ion implanted DC magnetron sputtered TiC film. <i>Tribology International</i> , 2016, 104, 121-130.	5.9	7
16	Wear resistant multiphase compound of Ti(C, O, N)/a-C:H nano composite film. <i>Thin Solid Films</i> , 2015, 590, 17-27.	1.8	7
17	Substrate effect on wear resistant transition metal nitride hard coatings: Microstructure and tribo-mechanical properties. <i>Ceramics International</i> , 2015, 41, 9849-9861.	4.8	47
18	Micro-tribo-mechanical properties of nanocrystalline TiN thin films for small scale device applications. <i>Tribology International</i> , 2015, 88, 25-30.	5.9	29

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19	Reactive magnetron sputtered wear resistant multilayer transition metal carbide coatings: microstructure and tribo-mechanical properties. RSC Advances, 2015, 5, 81790-81801.	3.6	13
20	Microstructure characteristics of copper single layer and copper/titanium multilayer coatings: Nanomechanical properties and bactericidal activities. Materials Express, 2014, 4, 453-464.	0.5	6
21	Tribological properties of nanostructured TiC coatings deposited on steel and silicon substrates using pulse laser deposition technique. Tribology - Materials, Surfaces and Interfaces, 2011, 5, 1-9.	1.4	5