Dinesh Kumar D

List of Publications by Year
in descending order

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	Silver decorated CeO2 nanoparticles for rapid photocatalytic degradation of textile rose bengal dye. Scientific Reports, 2021, 11, 1080.	3.3	94
2	Wear resistant super-hard multilayer transition metal-nitride coatings. Surfaces and Interfaces, 2017, 7, 74-82.	3.0	60
3	Substrate effect on wear resistant transition metal nitride hard coatings: Microstructure and tribo-mechanical properties. Ceramics International, 2015, 41, 9849-9861.	4.8	47
4	Multifunctional zirconium nitride/copper multilayer coatings on medical grade 316L SS and titanium substrates for biomedical applications. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 106-115.	3.1	42
5	Tribo-mechanical properties of reactive magnetron sputtered transition metal carbide coatings. Tribology International, 2017, 114, 234-244.	5.9	36
6	Micro-tribo-mechanical properties of nanocrystalline TiN thin films for small scale device applications. Tribology International, 2015, 88, 25-30.	5.9	29
7	Biocorrosion and biological properties of sputtered ceramic carbide coatings for biomedical applications. Surface and Coatings Technology, 2019, 374, 569-578.	4.8	23
8	Tribochemistry of contact interfaces of nanocrystalline molybdenum carbide films. Applied Surface Science, 2018, 447, 677-686.	6.1	20
9	Tribochemistry of TaN, TiAlN and TaAlN coatings under ambient atmosphere and high-vacuum sliding conditions. Applied Surface Science, 2020, 499, 143989.	6.1	17
10	Film thickness effect and substrate dependent tribo-mechanical characteristics of titanium nitride films. Surfaces and Interfaces, 2018, 12, 78-85.	3.0	14
11	Reactive magnetron sputtered wear resistant multilayer transition metal carbide coatings: microstructure and tribo-mechanical properties. RSC Advances, 2015, 5, 81790-81801.	3.6	13
12	Probing the Impact of Tribolayers on Enhanced Wear Resistance Behavior of Carbon-Rich Molybdenum-Based Coatings. ACS Applied Materials & Interfaces, 2022, 14, 26148-26161.	8.0	10
13	Wear resistant multiphase compound of Ti(C, O, N)/a-C:H nano composite film. Thin Solid Films, 2015, 590, 17-27.	1.8	7
14	Improvement in wear resistance of C+ ion implanted DC magnetron sputtered TiC film. Tribology International, 2016, 104, 121-130.	5.9	7
15	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
16	Tribological properties of YSZ and YSZ/Ni-YSZ nanocomposite coatings prepared by electron beam physical vapour deposition. Ceramics International, 2021, 47, 26010-26018.	4.8	6
17	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
18	Effect of substrate temperature and preferred orientation on the tribological properties of Tantalum nitride coatings. Materials Today: Proceedings, 2021, 44, 4404-4408.	1.8	5

#	Article	IF	Citations
19	Preparation, characterization and some electrochemical study of waste derived iron Oxide-Carbon nanocomposite. Materials Today: Proceedings, 2021, 47, 1048-1053.	1.8	5
20	Deposition and characterization Zr-Al-N coatings prepared by magnetron sputtering for tribological applications. Materials Today: Proceedings, 2021, 44, 3701-3706.	1.8	1
21	Inter-diffusion effects and tribological behaviour of electron beam evaporated Ni-YSZ nanocomposite coatings subjected to diffusion annealing with borosilicate glass for nuclear applications. Ceramics International, 2022, 48, 13319-13330.	4.8	1