Teng Fei Zhang

List of Publications by Year
in descending order

18 papers	424 citations	759233 12 h-index	839539 18 g-index
18 all docs	18 docs citations	18 times ranked	403 citing authors

#	Article	IF	Citations
1	Microstructure and high-temperature tribological properties of Si-doped hydrogenated diamond-like carbon films. Applied Surface Science, 2018, 435, 963-973.	6.1	92
2	Influence of negative bias voltage and deposition temperature on microstructure and properties of superhard TiB2 coatings deposited by high power impulse magnetron sputtering. Surface and Coatings Technology, 2014, 253, 115-122.	4.8	58
3	Effects of microstructure evolution on the oxidation behavior and high-temperature tribological properties of AlCrN/TiAlSiN multilayer coatings. Ceramics International, 2018, 44, 23150-23161.	4.8	37
4	Highly porous carbon nanofoams synthesized from gas-phase plasma for symmetric supercapacitors. Chemical Engineering Journal, 2019, 360, 1310-1319.	12.7	33
5	Influence of bias voltage on the microstructure, mechanical and corrosion properties of AlSiN films deposited by HiPIMS technique. Journal of Alloys and Compounds, 2019, 772, 112-121.	5.5	31
6	Nanocrystalline thin films synthesized from a Ti2AlN compound target by high power impulse magnetron sputtering technique. Surface and Coatings Technology, 2012, 212, 199-206.	4.8	29
7	Influence of lubricious oxides formation on the tribological behavior of Mo-V-Cu-N coatings deposited by HIPIMS. Surface and Coatings Technology, 2019, 358, 947-957.	4.8	21
8	Facile syntheses and electrochemical properties of Ni(OH)2 nanosheets/porous Ni foam for supercapacitor application. Materials Letters, 2019, 256, 126656.	2.6	19
9	Microstructure and mechanical properties of the Crâ€“Moâ€“Siâ€“N nanocomposite coatings prepared by a hybrid system of AIP and HiPIMS technologies. Journal of Alloys and Compounds, 2018, 740, 774-783.	5.5	15
10	Effect of Cu doping on the microstructure and mechanical properties of AlTiVN-Cu nanocomposite coatings. Surface and Coatings Technology, 2020, 402, 126490.	4.8	14
11	Effect of Cu addition on the microstructure and properties of TiB2 films deposited by a hybrid system combining high power impulse magnetron sputtering and pulsed dc magnetron sputtering. Surface and Coatings Technology, 2018, 344, 441-448.	4.8	13
12	Influence of Si addition on structure and properties of TiB2-Si nanocomposite coatings deposited by high-power impulse magnetron sputtering. Ceramics International, 2019, 45, 6363-6372.	4.8	13
13	Synthesis and electrochemical properties of nanoporous CrN thin film electrodes for supercapacitor applications. Materials and Design, 2021, 209, 109949.	7.0	11
14	Oxidation and Corrosion Behavior of Nanolaminated MAX-Phase Ti₂AlC Film Synthesized by High-Power Impulse Magnetron Sputtering and Annealing. Journal of Nanomaterials, 2015, 2015, 1-12.	2.7	10
15	Friction and Wear Behavior of AlTiN-Coated Carbide Balls Against SKD11 Hardened Steel at Elevated Temperatures. Acta Metallurgica Sinica (English Letters), 2018, 31, 1073-1083.	2.9	8
16	Microstructures and properties of amorphous, polycrystalline, and M+1AX -phase Tiâ€“Alâ€“N films synthesized from an M+1AX -phase Ti2AlN compound target. Ceramics International, 2019, 45, 3940-3947.	4.8	7
17	Thermostability, oxidation, and high-temperature tribological properties of nano-multilayered AlCrSiN/VN coatings. Ceramics International, 2022, 48, 11915-11923.	4.8	7
18	Influence of Cu Content on the Microstructure and Mechanical Properties of Cr-Cu-N Coatings. Scanning, 2018, 2018, 1-11.	1.5	6