Fangfang Ge

List of Publications by Year
in descending order

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41	573	567281 15	677142 22
papers	citations	h-index	g-index

41	41	41	471
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Aâ€site atom on static corrosion behavior and irradiation damage of Ti₂SC phases. Journal of the American Ceramic Society, 2022, 105, 1386-1393.	3.8	2
2	Atomic Structures and Mechanical Properties of Magnetron Co-Sputtered Zr-V-N Coatings. Jom, 2022, 74, 63-71.	1.9	0
3	Xe20+ ions irradiation and autoclave corrosion coupled with steam oxidation behaviors of FeCrAlMoSiY-coated Zr claddings. Surface and Coatings Technology, 2022, 433, 128166.	4.8	1
4	The oxidation mechanisms of the Xe20+ ion-irradiated Cr coatings on Zr alloy coupons: Accelerated diffusion and internal oxidation. Corrosion Science, 2022, 201, 110301.	6.6	9
5	Stability and corrosion behavior of AlO_{<i>x</i>} coating on T91 steel and SIMP steel in static liquid Pb-Bi eutectic at 600 â„ƒ. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 156103.	0.5	2
6	Large solubility of silicon in an incongruent nitride: The case of reactively magnetron co-sputtered W-Si-N coatings. Surface and Coatings Technology, 2021, 412, 127047.	4.8	4
7	Enhanced plasticity of the oxide scales by in-situ formed Cr2O3/Cr heterostructures for Cr-based coatings on Zr alloy in 1200 Â°C steam. Corrosion Science, 2021, 184, 109361.	6.6	19
8	The effects of stress on corrosion behavior of SIMP martensitic steel in static liquid lead-bismuth eutectic. Corrosion Science, 2021, 187, 109477.	6.6	18
9	Improved oxidation resistance through an in-situ formed diffusion barrier: Oxidation behavior of amorphous multi-component FeCrAlMoSiY-coated Zr in high-temperature steam. Corrosion Science, 2021, 189, 109566.	6.6	15
10	Effect of the 345 Â°C and 16.5 MPa autoclave corrosion on the oxidation behavior of Cr-coated zirconium claddings in the high-temperature steam. Corrosion Science, 2021, 189, 109608.	6.6	27
11	Effect of low-dose Xe20+ ion irradiation on the deformation behavior of the magnetron sputtered Cr coatings under nanoindentation. Surface and Coatings Technology, 2021, 428, 127907.	4.8	10
12	Lattice Defects and Exfoliation Efficiency of 6H-SiC via H2+ Implantation at Elevated Temperature. Materials, 2020, 13, 5723.	2.9	2
13	Long-term oxidation resistance and deterioration mechanism of magnetron sputtered Cr-Al-Si-N coatings on zirconium alloys in 1200â€Â°C steam atmosphere. Corrosion Science, 2020, 171, 108603.	6.6	15
14	Effect of Cr/Al Atomic Ratio on the Oxidation Resistance in 1200Â°C Steam for the CrAlSiN Coatings Deposited on Zr Alloy Substrates. Jom, 2019, 71, 4839-4847.	1.9	7
15	Microstructural effects on the high-temperature steam oxidation resistance of magnetron sputtered Cr-Al-Si-N quaternary coatings on zirconium coupons. Surface and Coatings Technology, 2019, 374, 393-401.	4.8	16
16	Synthesis of Zr2Al3C4 coatings on zirconium-alloy substrates with Al C/Si interlayers as diffusion barriers. Vacuum, 2019, 160, 128-132.	3.5	5
17	Local structural changes induced by ion bombardment in magnetron sputtered ZnO: Al films: Raman, XPS, and XAS study. Surface and Coatings Technology, 2019, 365, 2-9.	4.8	43
18	Ga-doped ZnO films magnetron sputtered at ultralow discharge voltages: Significance of controlling defect generation. Thin Solid Films, 2018, 660, 840-845.	1.8	4

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19	Improved oxidation resistance of zirconium at high-temperature steam by magnetron sputtered Cr-Al-Si ternary coatings. Surface and Coatings Technology, 2018, 350, 841-847.	4.8	28
20	High Wear Resistance of Magnetron Sputtered Cr80Si20N Nanocomposite Coatings: Almost Independent of Hardness. Tribology Letters, 2018, 66, 1.	2.6	4
21	Microstructural effect on the tribo-corrosion behaviors of magnetron sputtered CrSiN coatings. Wear, 2018, 416-417, 44-53.	3.1	17
22	Effects of Si content on Tribo-corrosion behavior of Cr1-xSixN coatings prepared via magnetron sputtering. Surface and Coatings Technology, 2018, 356, 11-18.	4.8	8
23	Structure of uniform and high-quality Al-doped ZnO films by magnetron sputter deposition at low temperatures. Thin Solid Films, 2018, 665, 109-116.	1.8	10
24	Age hardening of a magnetron sputtered V-Al-Si-N quaternary coating. Surface and Coatings Technology, 2017, 324, 429-437.	4.8	4
25	Ga-doped ZnO films by magnetron sputtering at ultralow discharge voltages: Effects of defect annihilation. Thin Solid Films, 2017, 644, 16-22.	1.8	7
26	One-step synthesis of polycrystalline V2AlC thin films on amorphous substrates by magnetron co-sputtering. Vacuum, 2017, 146, 106-110.	3.5	19
27	Tribological behaviors of a magnetron sputtered CrSiN coating under ambient air and wet environments. Surface and Coatings Technology, 2017, 332, 304-311.	4.8	19
28	Hard and wear resistant VB2 coatings deposited by pulsed DC magnetron sputtering. Vacuum, 2017, 135, 66-72.	3.5	14
29	Enhancing the wear resistance of magnetron sputtered VN coating by Si addition. Wear, 2016, 354-355, 32-40.	3.1	23
30	Tribological behavior of VC/Ni multilayer coatings prepared by non-reactive magnetron sputtering. Tribology International, 2016, 99, 140-150.	5.9	17
31	Optimizing the discharge voltage in magnetron sputter deposition of high quality Al-doped ZnO thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	2.1	10
32	Friction and wear behavior of magnetron co-sputtered Vâ€“Siâ€“N coatings. Wear, 2014, 315, 17-24.	3.1	18
33	Achieving very low wear rates in binary transition-metal nitrides: The case of magnetron sputtered dense and highly oriented VN coatings. Surface and Coatings Technology, 2014, 248, 81-90.	4.8	37
34	Microstructure, chemical states, and mechanical properties of magnetron co-sputtered V1â^'xAlxN coatings. Surface and Coatings Technology, 2013, 232, 311-318.	4.8	24
35	Superhard V-Si-N coatings (>50GPa) with the cell-like nanostructure prepared by magnetron sputtering. Surface and Coatings Technology, 2013, 232, 600-605.	4.8	36
36	Fano resonances in ultracompact waveguide Fabry-Perot resonator side-coupled lossy nanobeam cavities. Applied Physics Letters, 2013, 103, .	3.3	39

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37	Microstructure and mechanical properties of Ni-alloyed SiC coatings. Surface and Coatings Technology, 2012, 213, 77-83.	4.8	22
38	Controllable growth of nanocomposite films with metal nanocrystals sandwiched between dielectric superlattices. Journal of Nanoparticle Research, 2011, 13, 6447-6453.	1.9	4
39	The micro-structural studies of Ni-BaTiO3 nanocomposite films by TEM and EELS. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 897-901.	1.0	2
40	The controllable growth of Coâ€“BaTiO3 nanocomposite epitaxial film by laser molecular beam epitaxy. Journal of Crystal Growth, 2010, 312, 2489-2493.	1.5	10
41	Investigation into creepâ€toâ€rupture of SIMP steel in stagnant LBE at 300â€“450Â°C. Materials and Corrosion - Werkstoffe Und Korrosion, 0, , .	1.5	2