

Jyh-Wei Lee

List of Publications by Year in descending order

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177
papers

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94269

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180
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3480
citing authors

#	ARTICLE	IF	CITATIONS
1	High power impulse magnetron sputtering (HiPIMS) for the fabrication of antimicrobial and transparent TiO ₂ thin films. <i>Current Opinion in Chemical Engineering</i> , 2022, 36, 100782.	3.8	9
2	Property evaluation of Ti _x ZrNbTaFeBy high entropy alloy coatings: Effect of Ti and B contents. <i>Surface and Coatings Technology</i> , 2022, 434, 128180.	2.2	3
3	Phase, mechanical property and corrosion resistance evaluation of W-Nb-Ta-Ti and W-Nb-Ta-Ti-N medium entropy alloy thin films. <i>Surface and Coatings Technology</i> , 2022, 442, 128339.	2.2	9
4	Microstructural, mechanical and optical properties of tungsten oxide coatings fabricated using superimposed HiPIMS-MF systems. <i>Surface and Coatings Technology</i> , 2022, 436, 128314.	2.2	2
5	Effects of processing parameters on the adhesion and corrosion resistance of oxide coatings grown by plasma electrolytic oxidation on AZ31 magnesium alloys. <i>Journal of Materials Research and Technology</i> , 2021, 10, 1355-1371.	2.6	21
6	Fabrication and properties evaluation of novel Fe ₄₆ -XCr ₂₃ Mo ₁₄ Co ₇ PXB ₅ Si ₅ (X=0, 6) m metallic glasses deposited by DC magnetron sputtering. <i>Intermetallics</i> , 2021, 131, 107120.	1.8	4
7	Improvement of the Adhesion and Diamond Content of Electrodeposited Cu/Microdiamond Composite Coatings by a Plated Cu Interlayer. <i>Materials</i> , 2021, 14, 2571.	1.3	4
8	Transferred Cold Atmospheric Plasma Treatment on Melanoma Skin Cancer Cells with/without Catalase Enzyme In Vitro. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6181.	1.3	5
9	Fabrication of TiZrNbTaFeN high-entropy alloys coatings by HiPIMS: Effect of nitrogen flow rate on the microstructural development, mechanical and tribological performance, electrical properties and corrosion characteristics. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159605.	2.8	46
10	The influence of different power supply modes on the microstructure, mechanical, and corrosion properties of nc-TiC/a-C:H nanocomposite coatings. <i>Surface and Coatings Technology</i> , 2021, 422, 127512.	2.2	3
11	Effect of target poisoning ratios on the fabrication of titanium oxide coatings using superimposed high power impulse and medium frequency magnetron sputtering. <i>Surface and Coatings Technology</i> , 2021, 421, 127430.	2.2	9
12	Microstructure, mechanical properties and corrosion performance of Fe ₄₄ Cr ₁₅ Mo ₁₄ Co ₇ C ₁₀ B ₅ Si ₅ thin film metallic glass deposited by DC magnetron sputtering. <i>Journal of Non-Crystalline Solids</i> , 2020, 527, 119718.	1.5	28
13	Microstructural characterization, mechanical property and corrosion behavior of VNbMoTaWAl refractory high entropy alloy coatings: Effect of Al content. <i>Surface and Coatings Technology</i> , 2020, 403, 126351.	2.2	51
14	Helium/Argon-Generated Cold Atmospheric Plasma Facilitates Cutaneous Wound Healing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 683.	2.0	32
15	Comparisons of plasma-sprayed and sputtering Al _{0.5} CoCrFeNi ₂ high-entropy alloy coatings. <i>Surface and Coatings Technology</i> , 2020, 403, 126411.	2.2	20
16	Improvement of CrMoN/SiN _x coatings on mechanical and high temperature Tribological properties through biomimetic laminated structure design. <i>Surface and Coatings Technology</i> , 2020, 393, 125754.	2.2	7
17	Corrosion performance of plasma electrolytic oxidation grown oxide coating on pure aluminum: effect of borax concentration. <i>Journal of Materials Research and Technology</i> , 2020, 9, 8766-8779.	2.6	32
18	Preparation and investigation of diamond-incorporated copper coatings on a brass substrate by composite electrodeposition. <i>Surface and Coatings Technology</i> , 2020, 386, 125508.	2.2	16

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19	Effects of Processing Parameters on the Corrosion Performance of Plasma Electrolytic Oxidation Grown Oxide on Commercially Pure Aluminum. <i>Metals</i> , 2020, 10, 394.	1.0	18
20	Fabrication of tungsten nitride thin films by superimposed HiPIMS and MF system: Effects of nitrogen flow rate. <i>Surface and Coatings Technology</i> , 2020, 393, 125743.	2.2	17
21	Fabrication of Cr-Si-N coatings using a hybrid high-power impulse and radio-frequency magnetron co-sputtering: The role of Si incorporation and duty cycle. <i>Surface and Coatings Technology</i> , 2020, 403, 126378.	2.2	16
22	Tribological and mechanical properties of Cu/Ni-microdiamond bilayers on brass substrates coated by composite electrodeposition technology. <i>Surface Topography: Metrology and Properties</i> , 2020, 8, 024005.	0.9	6
23	Mechanical property evaluation of ZrSiN films deposited by a hybrid superimposed high power impulse-medium frequency sputtering and RF sputtering system. <i>Surface and Coatings Technology</i> , 2019, 376, 59-67.	2.2	10
24	Thermal and corrosion properties of V-Nb-Mo-Ta-W and V-Nb-Mo-Ta-W-Cr-B high entropy alloy coatings. <i>Surface and Coatings Technology</i> , 2019, 375, 802-809.	2.2	59
25	High temperature electrical properties and oxidation resistance of V-Nb-Mo-Ta-W high entropy alloy thin films. <i>Surface and Coatings Technology</i> , 2019, 375, 854-863.	2.2	43
26	Microstructure and mechanical properties evaluation of cathodic arc deposited CrCN/ZrCN multilayer coatings. <i>Journal of Alloys and Compounds</i> , 2019, 803, 1005-1015.	2.8	13
27	Prediction of amorphous phase formation by thermodynamic and kinetic analysis, a Fe-based thin film metallic glass deposited by direct current magnetron sputtering. <i>Materials Research Express</i> , 2019, 6, 096407.	0.8	7
28	Corrosion property and biocompatibility evaluation of Fe-Zr-Nb thin film metallic glasses. <i>Thin Solid Films</i> , 2019, 691, 137615.	0.8	10
29	Coating Cutting Blades with Thin-Film Metallic Glass to Enhance Sharpness. <i>Scientific Reports</i> , 2019, 9, 15558.	1.6	16
30	The Indentation-Induced Pop-in Phenomenon and Fracture Behaviors of GaP(100) Single-Crystal. <i>Micromachines</i> , 2019, 10, 752.	1.4	4
31	High Temperature Oxidation Behaviors of Cr _{Nx} and Cr-Si-N Thin Films at 1000 °C. <i>Coatings</i> , 2019, 9, 540.	1.2	8
32	Parameters Affecting the Antimicrobial Properties of Cold Atmospheric Plasma Jet. <i>Journal of Clinical Medicine</i> , 2019, 8, 1930.	1.0	22
33	Mechanical property and corrosion resistance evaluation of AZ31 magnesium alloys by plasma electrolytic oxidation treatment: Effect of MoS ₂ particle addition. <i>Surface and Coatings Technology</i> , 2018, 350, 813-822.	2.2	49
34	Fabrication of W-Zr-Si thin film metallic glasses and the influence of post-annealing treatment. <i>Journal of Non-Crystalline Solids</i> , 2018, 482, 170-176.	1.5	5
35	Superimposed high power impulse and middle frequency magnetron sputtering: Role of pulse duration and average power of middle frequency. <i>Surface and Coatings Technology</i> , 2018, 352, 680-689.	2.2	26
36	Superimposition of high power impulse and middle frequency magnetron sputtering for fabrication of CrTiBN multicomponent hard coatings. <i>Surface and Coatings Technology</i> , 2018, 350, 962-970.	2.2	12

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37	Hybrid high power impulse and radio frequency magnetron sputtering system for TiCrSiN thin film depositions: Plasma characteristics and film properties. <i>Surface and Coatings Technology</i> , 2018, 350, 762-772.	2.2	11
38	Comparison of chromium carbide thin films grown by different power supply systems. <i>Surface and Coatings Technology</i> , 2018, 353, 329-338.	2.2	5
39	Efficient induction of functional ameloblasts from human keratinocyte stem cells. <i>Stem Cell Research and Therapy</i> , 2018, 9, 126.	2.4	16
40	Characterization of plasma polymerized organosilicon thin films deposited on 316L stainless steel. <i>Thin Solid Films</i> , 2018, 660, 637-645.	0.8	20
41	Effect of nitrogen-argon flow ratio on the microstructural and mechanical properties of AlSiN thin films prepared by high power impulse magnetron sputtering. <i>Surface and Coatings Technology</i> , 2017, 320, 138-145.	2.2	26
42	Measuring notch toughness of thin film metallic glasses using focused ion beam-based microcantilever method: Comparison with Ti and TiN crystalline films. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 698, 104-109.	2.6	11
43	Effects of annealing temperature on nanomechanical and microstructural properties of Cu-doped In ₂ O ₃ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	6
44	Cross-Talk Immunity of PEDOT:PSS Pressure Sensing Arrays with Gold Nanoparticle Incorporation. <i>Scientific Reports</i> , 2017, 7, 12252.	1.6	12
45	Influences of target poisoning on the mechanical properties of TiCrBN thin films grown by a superimposed high power impulse and medium-frequency magnetron sputtering. <i>Surface and Coatings Technology</i> , 2017, 332, 86-95.	2.2	20
46	Plasma electrolytic oxidation coatings on AZ31 magnesium alloys with Si ₃ N ₄ nanoparticle additives. <i>Surface and Coatings Technology</i> , 2017, 332, 358-367.	2.2	64
47	The microstructure and mechanical properties evaluation of CrTiAlSiN coatings: Effects of silicon content. <i>Thin Solid Films</i> , 2017, 638, 220-229.	0.8	34
48	Biocompatibility and mechanical property evaluation of Zr-Ti-Fe based ternary thin film metallic glasses. <i>Surface and Coatings Technology</i> , 2017, 320, 512-519.	2.2	23
49	Fracture resistance of dental nickel-titanium rotary instruments with novel surface treatment: Thin film metallic glass coating. <i>Journal of the Formosan Medical Association</i> , 2017, 116, 373-379.	0.8	12
50	Effect of an optical emission spectrometer feedback-controlled method on the characterizations of nc-TiC/a-C:H coated by high power impulse magnetron sputtering. <i>Diamond and Related Materials</i> , 2017, 73, 19-24.	1.8	12
51	Effects of silicon contents on the characteristics of Zr-Ti-Si-W thin film metallic glasses. <i>Thin Solid Films</i> , 2016, 618, 28-35.	0.8	16
52	Morphology control and characteristics of ZnO/ZnS nanorod arrays synthesised by microwave-assisted heating. <i>Micro and Nano Letters</i> , 2016, 11, 192-195.	0.6	4
53	Microstructure and mechanical properties evaluation of molybdenum disulfide-titania nanocomposite coatings grown by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , 2016, 303, 68-77.	2.2	34
54	Boosted photocatalytic efficiency through plasmonic field confinement with bowtie and diablo nanostructures under LED irradiation. <i>Optics Express</i> , 2016, 24, 17541.	1.7	10

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55	Mechanical strengthening in self-lubricating CrAlN/VN multilayer coatings for improved high-temperature tribological characteristics. <i>Surface and Coatings Technology</i> , 2016, 303, 12-17.	2.2	43
56	Effects of duty cycle and electrolyte concentration on the microstructure and biocompatibility of plasma electrolytic oxidation treatment on zirconium metal. <i>Thin Solid Films</i> , 2015, 596, 87-93.	0.8	28
57	A study of microbial population dynamics associated with corrosion rates influenced by corrosion control materials. <i>International Biodeterioration and Biodegradation</i> , 2015, 102, 330-338.	1.9	6
58	Effect of pulsed off-times on the reactive HiPIMS preparation of zirconia thin films. <i>Vacuum</i> , 2015, 118, 38-42.	1.6	10
59	Influence of Si contents on tribological characteristics of CrAlSiN nanocomposite coatings. <i>Thin Solid Films</i> , 2015, 584, 46-51.	0.8	30
60	Effects of tungsten contents on the microstructure, mechanical and anticorrosion properties of Zr ₄₀ W ₁₀ Ti thin film metallic glasses. <i>Thin Solid Films</i> , 2015, 584, 253-256.	0.8	20
61	Chemical inertness of Cr ₄₀ W ₁₀ N coatings in glass molding. <i>Thin Solid Films</i> , 2015, 593, 102-109.	0.8	25
62	Synthesis and characterization of nacre-inspired zirconia/polyimide multilayer coatings by a hybrid sputtering and pulsed laser deposition technique. <i>Surface and Coatings Technology</i> , 2015, 284, 118-128.	2.2	12
63	Development of Si-modified CrAlSiN nanocomposite coating for anti-wear application in extreme environment. <i>Surface and Coatings Technology</i> , 2015, 284, 273-280.	2.2	32
64	Applying composition control to improve the mechanical and thermal properties of Zr ₄₀ Cu ₁₀ Ni ₁₀ Al thin film metallic glass by magnetron DC sputtering. <i>Surface and Coatings Technology</i> , 2015, 278, 132-137.	2.2	14
65	Towards hard yet self-lubricious CrAlSiN coatings. <i>Journal of Alloys and Compounds</i> , 2015, 618, 132-138.	2.8	23
66	Incident-angle-dependent reflectance in distributed Bragg reflectors fabricated from ZnO/MgO multilayer films. <i>Optical Review</i> , 2014, 21, 651-654.	1.2	7
67	Processing Characteristics Using Phosphorous Dielectric on Wire Electrical Discharge Machining of Polycrystalline Silicon. <i>Materials and Manufacturing Processes</i> , 2014, 29, 146-152.	2.7	9
68	Entrapment of Gold Catalyst in Silicon/Silicon-Oxide Nanowires. <i>Nanoscience and Nanotechnology Letters</i> , 2014, 6, 922-926.	0.4	1
69	Texture, Microstructure, and Tribological Behavior in $\langle \text{T} \rangle \langle \text{Al} \rangle \langle \text{N} \rangle \langle \text{S} \rangle \langle \text{N} \rangle$ Multilayers. <i>International Journal of Applied Ceramic Technology</i> , 2014, 11, 611-617.	1.1	1
70	The influence of deposition parameters on the structure and properties of aluminum nitride coatings deposited by high power impulse magnetron sputtering. <i>Thin Solid Films</i> , 2014, 572, 161-168.	0.8	22
71	Self-lubricating CrVN Coating Strengthened via Multilayering with VN. <i>Journal of Iron and Steel Research International</i> , 2014, 21, 545-550.	1.4	10
72	The fabrication and property evaluation of Zr ₄₀ Ti ₁₀ Ba ₁₀ Si thin film metallic glass materials. <i>Surface and Coatings Technology</i> , 2014, 259, 115-122.	2.2	31

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73	Fabrication and tribological behavior of sputtering TaN coatings. <i>Surface and Coatings Technology</i> , 2014, 259, 123-128.	2.2	39
74	Antimicrobial properties of Zr-Cu-Al-Ag thin film metallic glass. <i>Thin Solid Films</i> , 2014, 561, 98-101.	0.8	46
75	Fatigue property improvements of Ti-6Al-4V by thin film coatings of metallic glass and TiN: a comparison study. <i>Thin Solid Films</i> , 2014, 561, 33-37.	0.8	36
76	Microstructure, mechanical and anti-corrosion property evaluation of iron-based thin film metallic glasses. <i>Surface and Coatings Technology</i> , 2014, 260, 46-55.	2.2	32
77	Orientation of silicon nanowires grown from nickel-coated silicon wafers. <i>Journal of Crystal Growth</i> , 2014, 404, 26-33.	0.7	6
78	Internal oxidation and mechanical properties of Ru based alloy coatings. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014, 32, 02B101.	0.9	6
79	Bump height confinement governed solder alloy hardening in Cu/SnAg/Ni and Cu/SnAgCu/Ni joint assemblies. <i>Journal of Alloys and Compounds</i> , 2014, 600, 199-203.	2.8	10
80	Fatigue properties improvement of high-strength aluminum alloy by using a ZrCu-based metallic glass thin film coating. <i>Thin Solid Films</i> , 2014, 561, 28-32.	0.8	18
81	Rethinking of the silicon nanowire growth mechanism during thermal evaporation of Si-containing powders. <i>Thin Solid Films</i> , 2014, 558, 75-85.	0.8	12
82	Antimicrobial characteristics in Cu-containing Zr-based thin film metallic glass. <i>Surface and Coatings Technology</i> , 2014, 259, 87-93.	2.2	49
83	Influence of high power impulse magnetron sputtering pulse parameters on the properties of aluminum nitride coatings. <i>Surface and Coatings Technology</i> , 2014, 259, 219-231.	2.2	23
84	Structural and optical properties of zirconia thin films deposited by reactive high-power impulse magnetron sputtering. <i>Thin Solid Films</i> , 2014, 570, 404-411.	0.8	24
85	Microbial community analysis of anaerobic bio-corrosion in different ORP profiles. <i>International Biodeterioration and Biodegradation</i> , 2014, 95, 93-101.	1.9	38
86	Modification of structure and property in Zr-based thin film metallic glass via processing temperature control. <i>Thin Solid Films</i> , 2014, 561, 38-42.	0.8	34
87	Study on surface characteristics using phosphorous dielectric on wire electrical discharge machining of polycrystalline silicon. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 69, 71-80.	1.5	17
88	Toward hard yet tough CrAlSiN coatings via compositional grading. <i>Surface and Coatings Technology</i> , 2013, 231, 346-352.	2.2	30
89	Thermal cyclic oxidation performance of plasma sprayed zirconia thermal barrier coatings with modified high velocity oxygen fuel sprayed bond coatings. <i>Surface and Coatings Technology</i> , 2013, 228, S11-S14.	2.2	16
90	Microstructure control in TiAlN/SiNx multilayers with appropriate thickness ratios for improvement of hardness and anti-corrosion characteristics. <i>Vacuum</i> , 2013, 87, 195-199.	1.6	35

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91	Characterization of mechanical properties and adhesion of Ta-Zr-Cu-Al-Ag thin film metallic glasses. <i>Surface and Coatings Technology</i> , 2013, 231, 332-336.	2.2	29
92	Improvement of tribological performance of CrN coating via multilayering with VN. <i>Surface and Coatings Technology</i> , 2013, 231, 357-363.	2.2	43
93	Electrochemical characterization of Zr-based thin film metallic glass in hydrochloric aqueous solution. <i>Thin Solid Films</i> , 2013, 529, 338-341.	0.8	26
94	A low-cost optical inspection system for rapid surface roughness measurements of CrCN hard films. <i>Optik</i> , 2013, 124, 1902-1906.	1.4	2
95	Effects of duty cycle and pulse frequency on the fabrication of AlCrN thin films deposited by high power impulse magnetron sputtering. <i>Thin Solid Films</i> , 2013, 549, 281-291.	0.8	38
96	Characterization and haemocompatibility of fluorinated DLC and Si interlayer on Ti6Al4V. <i>Surface and Coatings Technology</i> , 2013, 231, 418-422.	2.2	30
97	The effect of Cr/Zr chemical composition ratios on the mechanical properties of CrN/ZrN multilayered coatings deposited by cathodic arc deposition system. <i>Surface and Coatings Technology</i> , 2013, 231, 247-252.	2.2	25
98	The microstructure and mechanical properties of nitrogen and boron contained ZrCuAlNi thin film metallic glass composites. <i>Surface and Coatings Technology</i> , 2013, 237, 276-283.	2.2	17
99	Self-lubricating CrAlN/VN multilayer coatings at room temperature. <i>Applied Surface Science</i> , 2013, 279, 189-196.	3.1	44
100	Wire or no wire—Depends on the catalyst layer thickness. <i>Journal of Crystal Growth</i> , 2013, 381, 87-92.	0.7	6
101	Toughening effect of Ni on nc-CrAlN/a-SiNx hard nanocomposite. <i>Applied Surface Science</i> , 2013, 265, 418-423.	3.1	22
102	Mechanical properties of fluorinated DLC and Si interlayer on a Ti biomedical alloy. <i>Thin Solid Films</i> , 2013, 528, 136-142.	0.8	21
103	The influence of boron contents on the microstructure and mechanical properties of Cr-B-N thin films. <i>Vacuum</i> , 2013, 87, 191-194.	1.6	11
104	Mechanical properties study of a magnetron-sputtered Zr-based thin film metallic glass. <i>Surface and Coatings Technology</i> , 2013, 215, 312-321.	2.2	60
105	Effects of carbon content on the microstructure and mechanical property of cathodic arc evaporation deposited CrCN thin films. <i>Surface and Coatings Technology</i> , 2013, 231, 482-486.	2.2	42
106	Texture, microstructure and anti-wear characteristics in isostructural CrAlSiN/W2N multilayer coatings. <i>Thin Solid Films</i> , 2013, 544, 265-269.	0.8	11
107	Structure and mechanical property evaluation of Cr-Ti-B-N coatings. <i>Thin Solid Films</i> , 2013, 544, 380-385.	0.8	13
108	Effects of Al and V Additions on Mechanical Response in Thick TiSiCN Nanocomposites Deposited Using Plasma-Enhanced Magnetron Sputtering. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 11NJ10.	0.8	2

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109	Mechanical and thermal behaviors of nitrogen-doped Zr-Cu-Al-Ag-Ta "An alternative class of thin film metallic glass. Applied Physics Letters, 2012, 101, .	1.5	16
110	Influence of Nitrogen Partial Pressure and Substrate Bias on the Mechanical Properties of VN Coatings. Procedia Engineering, 2012, 36, 217-225.	1.2	17
111	Effects of Boron and Nitrogen Contents on the Microstructures and Mechanical Properties of Cr-B-N Nanocomposite Thin Films. Procedia Engineering, 2012, 36, 360-367.	1.2	10
112	Influence of bias voltage on the hardness and toughness of CrAlN coatings via magnetron sputtering. Surface and Coatings Technology, 2012, 206, 5103-5107.	2.2	70
113	The study of nanoscratch and nanomachining on hard multilayer thin films using atomic force microscope. Scanning, 2012, 34, 51-59.	0.7	21
114	Thin film metallic glasses: Unique properties and potential applications. Thin Solid Films, 2012, 520, 5097-5122.	0.8	301
115	A study on morphology control and optical properties of ZnO nanorods synthesized by microwave heating. Journal of Luminescence, 2012, 132, 226-230.	1.5	22
116	Hard Yet Tough Ceramic Coating: Not a Dream Any More"l. via Nanostructured Multilayering. Nanoscience and Nanotechnology Letters, 2012, 4, 375-377.	0.4	6
117	A Synthesized TiO ₂ Coated Sieve in a Photocatalytic Reactor for Deactivating Bioaerosol in Air. Advanced Science Letters, 2012, 14, 431-435.	0.2	0
118	Oxidation resistance of nanocomposite CrAlSiN under long-time heat treatment. Surface and Coatings Technology, 2011, 206, 1571-1576.	2.2	38
119	Preparation and annealing study of CrTaN coatings on WC-Co. Surface and Coatings Technology, 2011, 206, 1640-1647.	2.2	23
120	Influence of bilayer period and thickness ratio on the mechanical and tribological properties of CrSiN/TiAlN multilayer coatings. Surface and Coatings Technology, 2011, 206, 1886-1892.	2.2	19
121	Microstructure and mechanical property evaluation of pulsed DC magnetron sputtered Cr-B and Cr-B-N films. Surface and Coatings Technology, 2011, 206, 1711-1719.	2.2	29
122	Mechanical and tribological properties evaluation of cathodic arc deposited CrN/ZrN multilayer coatings. Surface and Coatings Technology, 2011, 206, 1744-1752.	2.2	46
123	Photocatalytic characteristics of TiO ₂ nanotubes with different microstructures prepared under different pulse anodizations. Thin Solid Films, 2011, 519, 3334-3339.	0.8	18
124	Nano-scratching and nano-machining in different environments on Cr ₂ N/Cu multilayer thin films. Thin Solid Films, 2011, 519, 4992-4996.	0.8	18
125	The Influence of Annealing Temperatures on the Crystalline and Photocatalytic Abilities of Anodized TiO ₂ Nanotube Arrays. Advanced Materials Research, 2011, 261-263, 623-627.	0.3	0
126	Microstructure and Corrosion Behavior of Ni-Alloy/CrN Nanolayered Coatings. Journal of Nanomaterials, 2011, 2011, 1-6.	1.5	3

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127	Structural and optical properties of ZnO nanopowder prepared by microwave-assisted synthesis. Journal of Luminescence, 2010, 130, 1756-1759.	1.5	29
128	Tribological properties of Crâ€“Siâ€“N nanocomposite film adherent silicon under various environments. Thin Solid Films, 2010, 518, 7509-7514.	0.8	14
129	Evaluation of antimicrobial abilities of Cr ₂ N/Cu multilayered thin films. Thin Solid Films, 2010, 518, 7551-7556.	0.8	7
130	The effect of microstructure and composition on mechanical properties in thick-layered nanocomposite Tiâ€“Siâ€“Câ€“N coatings. Surface and Coatings Technology, 2010, 205, 1460-1464.	2.2	23
131	Microstructures and mechanical properties evaluation of TiAlN/CrSiN multilayered thin films with different bilayer periods. Surface and Coatings Technology, 2010, 205, 1438-1443.	2.2	25
132	Novel TiO ₂ thin films/glass fiber photocatalytic reactors in the removal of bioaerosols. Surface and Coatings Technology, 2010, 205, S341-S344.	2.2	19
133	Oxidation behavior of Si-doped nanocomposite CrAlSiN coatings. Surface and Coatings Technology, 2010, 205, 1189-1194.	2.2	76
134	Microstructure, mechanical and electrochemical properties evaluation of pulsed DC reactive magnetron sputtered nanostructured Crâ€“Zrâ€“N and Crâ€“Zrâ€“Siâ€“N thin films. Surface and Coatings Technology, 2010, 205, 1331-1338.	2.2	15
135	Degradation of Volatile Acetone by a Photocatalytic Reactor with TiO ₂ Coated Sieve. Advanced Materials Research, 2010, 123-125, 919-922.	0.3	0
136	Photocatalytic deactivation of airborne microbial cells by the stainless steel sieves with surface coated TiO ₂ thin films. Surface and Coatings Technology, 2010, 205, S328-S332.	2.2	7
137	Glass Fibers Covered with TiO ₂ Thin Films by Sol-Gel Method as a Photocatalyst Reactor to Degradation Toluene. Advanced Materials Research, 2009, 79-82, 927-930.	0.3	3
138	The Effect of Heat Treating on the Microstructure and Mechanical Properties of Cr-Cu-N Nanocomposite Thin Films. Advanced Materials Research, 2009, 79-82, 573-576.	0.3	1
139	Mechanical properties of gradient and multilayered TiAlSiN hard coatings. Thin Solid Films, 2009, 517, 4934-4937.	0.8	33
140	Microstructure, corrosion and tribological behaviors of TiAlSiN coatings deposited by cathodic arc plasma deposition. Thin Solid Films, 2009, 517, 5231-5236.	0.8	77
141	Cyclic oxidation behavior and microstructure evolution of aluminized, Pt-aluminized high velocity oxygen fuel sprayed CoNiCrAlY coatings. Thin Solid Films, 2009, 517, 5253-5258.	0.8	28
142	Annealing and oxidation study of Moâ€“Ru hard coatings on tungsten carbide. Thin Solid Films, 2009, 518, 194-200.	0.8	25
143	Characteristics of Cr ₂ N/Cu multilayered thin films with different bilayer thickness. Surface and Coatings Technology, 2009, 204, 941-946.	2.2	15
144	Mechanical properties evaluation of chromized tungsten carbideâ€“cobalt hardmetals. Surface and Coatings Technology, 2009, 204, 1106-1111.	2.2	8

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145	Rapid thermal annealing effects on the structural and optical properties of ZnO films deposited on Si substrates. <i>Journal of Luminescence</i> , 2009, 129, 148-152.	1.5	95
146	Study on the characteristics of electrical discharge machining using dielectric with surfactant. <i>Journal of Materials Processing Technology</i> , 2009, 209, 3783-3789.	3.1	45
147	The structural and optical properties of ZnO/Si thin films by RTA treatments. <i>Applied Surface Science</i> , 2008, 254, 1578-1582.	3.1	53
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