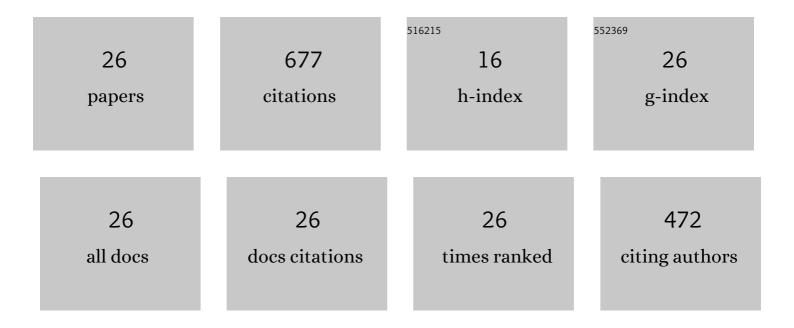
Hsien-Wei Chen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Oxidation behavior of Si-doped nanocomposite CrAlSiN coatings. Surface and Coatings Technology, 2010, 205, 1189-1194.	2.2	76
2	Mechanical and tribological properties evaluation of cathodic arc deposited CrN/ZrN multilayer coatings. Surface and Coatings Technology, 2011, 206, 1744-1752.	2.2	46
3	Antimicrobial properties of Zr–Cu–Al–Ag thin film metallic glass. Thin Solid Films, 2014, 561, 98-101.	0.8	46
4	Effects of carbon content on the microstructure and mechanical property of cathodic arc evaporation deposited CrCN thin films. Surface and Coatings Technology, 2013, 231, 482-486.	2.2	42
5	Oxidation resistance of nanocomposite CrAlSiN under long-time heat treatment. Surface and Coatings Technology, 2011, 206, 1571-1576.	2.2	38
6	Improving high-temperature tribological characteristics on nanocomposite CrAlSiN coating by Mo doping. Surface and Coatings Technology, 2018, 349, 752-756.	2.2	37
7	Microstructure control in TiAlN/SiNx multilayers with appropriate thickness ratios for improvement of hardness and anti-corrosion characteristics. Vacuum, 2013, 87, 195-199.	1.6	35
8	Tribological properties of nanocomposite Cr-Mo-Si-N coatings at elevated temperature through silicon content modification. Surface and Coatings Technology, 2018, 338, 69-74.	2.2	35
9	Modification of structure and property in Zr-based thin film metallic glass via processing temperature control. Thin Solid Films, 2014, 561, 38-42.	0.8	34
10	Development of Si-modified CrAlSiN nanocomposite coating for anti-wear application in extreme environment. Surface and Coatings Technology, 2015, 284, 273-280.	2.2	32
11	Influence of Si contents on tribological characteristics of CrAlSiN nanocomposite coatings. Thin Solid Films, 2015, 584, 46-51.	0.8	30
12	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
13	Characterization of mechanical properties and adhesion of Ta–Zr–Cu–Al–Ag thin film metallic glasses. Surface and Coatings Technology, 2013, 231, 332-336.	2.2	29
14	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
15	The effect of Cr/Zr chemical composition ratios on the mechanical properties of CrN/ZrN multilayered coatings deposited by cathodic arc deposition system. Surface and Coatings Technology, 2013, 231, 247-252.	2.2	25
16	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
17	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
18	Microstructure, mechanical and electrochemical properties evaluation of pulsed DC reactive magnetron sputtered nanostructured Cr–Zr–N and Cr–Zr–Si–N thin films. Surface and Coatings Technology, 2010, 205, 1331-1338.	2.2	15

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#	Article	IF	CITATIONS
19	Structure and mechanical property evaluation of Cr–Ti–B–N coatings. Thin Solid Films, 2013, 544, 380-385.	0.8	13
20	Effect of Niobium Addition on the High-Temperature Oxidation Behavior of 22Cr25NiWCoCu Stainless Steel in Air. Metals, 2019, 9, 975.	1.0	12
21	The influence of boron contents on the microstructure and mechanical properties of Cr–B–N thin films. Vacuum, 2013, 87, 191-194.	1.6	11
22	Texture, microstructure and anti-wear characteristics in isostructural CrAlSiN/W2N multilayer coatings. Thin Solid Films, 2013, 544, 265-269.	0.8	11
23	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
24	Modification of TiO2 powder via atmospheric dielectric barrier discharge treatment for high performance lithium-ion battery anodes. Thin Solid Films, 2015, 596, 250-255.	0.8	8
25	Effects of Al and V Additions on Mechanical Response in Thick TiSiCN Nanocomposites Deposited Using Plasma-Enhanced Magnetron Sputtering. Japanese Journal of Applied Physics, 2013, 52, 11NJ10.	0.8	2
26	Texture, Microstructure, and Tribological Behavior in <scp>T</scp> i <scp>A</scp> l <scp>N</scp> / <scp>S</scp> i <scp>N</scp> _x Multilayers.	1.1	1

International Journal of Applied Ceramic Technology, 2014, 11, 611-617.