

# Martin Birkett

## List of Publications by Year in descending order

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21  
papers

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citations

1040056

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940533

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g-index

21  
all docs

21  
docs citations

21  
times ranked

162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fused deposition modelling: Current status, methodology, applications and future prospects. Additive Manufacturing, 2021, 47, 102378.	3.0	99
2	Recent Advances in Metal-Based Antimicrobial Coatings for High-Touch Surfaces. International Journal of Molecular Sciences, 2022, 23, 1162.	4.1	52
3	Fourth-generation glucose sensors composed of copper nanostructures for diabetes management: A critical review. Bioengineering and Translational Medicine, 2022, 7, e10248.	7.1	32
4	Deposition of diamond-like carbon coatings: Conventional to non-conventional approaches for emerging markets. Ceramics International, 2021, 47, 28075-28085.	4.8	32
5	Laser Trimming of CuAlMo Thin-Film Resistors: Effect of Laser Processing Parameters. Journal of Electronic Materials, 2012, 41, 2169-2177.	2.2	13
6	Investigation of the Effect of Hydrogen and Methane on Combustion of Multicomponent Syngas Mixtures using a Constructed Reduced Chemical Kinetics Mechanism. Energies, 2019, 12, 2442.	3.1	13
7	Low temperature tensile lap-shear testing of adhesively bonded polyethylene pipe. International Journal of Adhesion and Adhesives, 2017, 74, 57-63.	2.9	12
8	Progress in-situ synthesis of graphitic carbon nanoparticles with physical vapour deposition. Progress in Crystal Growth and Characterization of Materials, 2021, 67, 100534.	4.0	12
9	Laser Trim Pattern Optimization for CuAlMo Thin-Film Resistors. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2013, 3, 523-529.	2.5	10
10	A Numerical and Experimental Study of Adhesively-Bonded Polyethylene Pipelines. Polymers, 2019, 11, 1531.	4.5	8
11	Mn <sub>3</sub> Ag(1-x)Cu(x)N antiperovskite thin films with ultra-low temperature coefficient of resistance. Journal of Materials Science and Technology, 2022, 99, 138-147.	10.7	6
12	Thermal activation of Ti(1-x)Au(x) thin films with enhanced hardness and biocompatibility. Bioactive Materials, 2022, 15, 426-445.	15.6	6
13	Structural and electrical properties of CuAlMo thin films prepared by magnetron sputtering. Thin Solid Films, 2013, 540, 235-241.	1.8	5
14	Mechanical behaviour of adhesively bonded polyethylene tapping tees. International Journal of Adhesion and Adhesives, 2016, 66, 1-8.	2.9	5
15	Electro- and photon-induced cooling in BNT-BT-SBET relaxors with in situ optical temperature sensing. Optics Letters, 2020, 45, 2391.	3.3	5
16	An investigation into the effects of pattern geometries on laser trimmed film resistors. , 2016, , .		3
17	Electrical resistivity of CuAlMo thin films grown at room temperature by dc magnetron sputtering. Materials Research Express, 2016, 3, 075021.	1.6	3
18	A new trimming approach for shunt resistors used in metering applications. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
19	Efficient nondominated sorting with genetic algorithm for solving multi-objective job shop scheduling problems. , 2016, , .		0
20	Effect of Abrasive Machining on the Electrical Properties Cu86Mn12Ni2 Alloy Shunts. Materials, 2017, 10, 876.	2.9	0
21	Tribological behaviour of microalloyed Cu50Zr50 alloy. Journal of Tribology, 0, , 1-22.	1.9	0