Massimiliano Barletta

List of Publications by Citations

172 papers	2,106 citations	24 h-index	33 g-index
183 ext. papers	2,446 ext. citations	4.1 avg, IF	5.42 L-index

#	Paper	IF	Citations
172	HVOF-sprayed WC□CoCr coatings on Al alloy: Effect of the coating thickness on the tribological properties. *Wear*, **2009**, 267, 944-953	3.5	64
171	Springback control in sheet metal bending by laser-assisted bending: Experimental analysis, empirical and neural network modelling. *Optics and Lasers in Engineering*, **2011**, 49, 1372-1383	4.6	57
170	Epoxy-based thermosetting powder coatings: Surface appearance, scratch adhesion and wear resistance. *Surface and Coatings Technology*, **2007**, 201, 7479-7504	4.4	50
169	Microstructural and tribological comparison of HVOF-sprayed and post-treated M□Mo□Cr□Si (M = Co, Ni) alloy coatings. *Wear*, **2007**, 263, 1397-1416	3.5	45
168	Wear resistance of nano- and micro-crystalline diamond coatings onto WC□Co with Cr/CrN interlayers. *Thin Solid Films*, **2010**, 519, 1629-1635	2.2	43
167	On the use of CrN/Cr and CrN interlayers in hot filament chemical vapour deposition (HF-CVD) of diamond films onto WC-Co substrates. *Diamond and Related Materials*, **2008**, 17, 325-335	3.5	42
166	Abrasive Fluidized Bed (AFB) finishing of AlSi10Mg substrates manufactured by Direct Metal Laser Sintering (DMLS). *Additive Manufacturing*, **2016**, 10, 15-23	6.1	40
165	Progress in fluidized bed assisted abrasive jet machining (FB-AJM): Internal polishing of aluminium tubes. *International Journal of Machine Tools and Manufacture*, **2007**, 47, 483-495	9.4	40
164	Hot filament chemical vapour deposition and wear resistance of diamond films on WC-Co substrates coated using PVD-arc deposition technique. *Diamond and Related Materials*, **2006**, 15, 1284-1291	3.5	38
163	Development of an abrasive jet machining system assisted by two fluidized beds for internal polishing of circular tubes. *International Journal of Machine Tools and Manufacture*, **2006**, 46, 271-283	9.4	38
162	High Power Diode Laser (HPDL) surface hardening of low carbon steel: Fatigue life improvement analysis. *Journal of Manufacturing Processes*, **2017**, 28, 266-271	5	36
161	Wear and Corrosion Behavior of HVOF-Sprayed WC-CoCr Coatings on Al Alloys. *Journal of Thermal Spray Technology*, **2010**, 19, 358-367	2.5	36
160	Advance in paint stripping from aluminium substrates. *Journal of Materials Processing Technology*, **2006**, 173, 232-239	5.3	36
159	A new technology in surface finishing: Fluidized bed machining (FBM) of aluminium alloys. *Journal of Materials Processing Technology*, **2006**, 173, 157-165	5.3	35
158	Electrostatic spray painting of carbon fibre-reinforced epoxy composites. *Progress in Organic Coatings*, **2009**, 64, 339-349	4.8	34
157	Progress in abrasive fluidized bed machining. *Journal of Materials Processing Technology*, **2009**, 209, 6087-6102	5.3	33
156	On the combined use of scratch tests and CLA profilometry for the characterization of polyester powder coatings: Influence of scratch load and speed. *Applied Surface Science*, **2008**, 254, 7198-7214	6.7	31

155	Heat treatment effects on the corrosion resistance of some HVOF-sprayed metal alloy coatings. *Surface and Coatings Technology*, **2008**, 202, 4839-4847	4.4	29
154	Electrostatic spray deposition (ESD) of polymeric powders on thermoplastic (PA66) substrate. *Surface and Coatings Technology*, **2006**, 201, 296-308	4.4	29
153	Visual appearance and scratch resistance of high performance thermoset and thermoplastic powder coatings. *Progress in Organic Coatings*, **2013**, 76, 244-256	4.8	28
152	Graphene reinforced UV-curable epoxy resins: Design, manufacture and material performance. *Progress in Organic Coatings*, **2016**, 90, 414-424	4.8	27
151	Adhesion and wear resistance of CVD diamond coatings on laser treated WC□o substrates. *Wear*, **2011**, 271, 2016-2024	3.5	27
150	Modelling of electrostatic fluidized bed (EFB) coating process using artificial neural networks. *Engineering Applications of Artificial Intelligence*, **2007**, 20, 721-733	7.2	25
149	High performance composite coatings on plastics: UV-curable cycloaliphatic epoxy resins reinforced by graphene or graphene derivatives. *Surface and Coatings Technology*, **2015**, 272, 322-336	4.4	24
148	Laser-assisted bending of Titanium Grade-2 sheets: Experimental analysis and numerical simulation. *Optics and Lasers in Engineering*, **2017**, 92, 110-119	4.6	24
147	Fluidized Bed Assisted Abrasive Jet Machining (FB-AJM): Precision Internal Finishing of Inconel 718 Components. *Journal of Manufacturing Science and Engineering, Transactions of the ASME*, **2007**, 129, 1045	3.3	23
146	Electrostatic fluidized bed deposition of a high performance polymeric powder on metallic substrates. *Surface and Coatings Technology*, **2006**, 200, 4282-4290	4.4	23
145	4D printing of shape memory polylactic acid (PLA) components: Investigating the role of the operational parameters in fused deposition modelling (FDM). *Journal of Manufacturing Processes*, **2021**, 61, 473-480	5	21
144	Self-cleaning and self-sanitizing coatings on plastic fabrics: design, manufacture and performance. *Colloids and Surfaces B: Biointerfaces*, **2014**, 120, 71-80	6	20
143	Influence of process parameters in electrostatic fluidized bed coating. *Surface and Coatings Technology*, **2006**, 200, 4619-4629	4.4	20
142	Investigation on shape recovery of 3D printed honeycomb sandwich structure. *Polymers for Advanced Technologies*, **2020**, 31, 3361-3365	3.2	20
141	Hard transparent coatings on thermoplastic polycarbonate. *Progress in Organic Coatings*, **2016**, 90, 178-186	4.8	19
140	Scratch response of high-performance thermoset and thermoplastic powders deposited by the electrostatic spray and □ot dipping□ fluidised bed coating methods: The role of the contact condition. *Surface and Coatings Technology*, **2011**, 205, 5186-5198	4.4	19
139	Al2O3 thin coating of AA 6082 T6 components using a fast regime fluidized bed. *Thin Solid Films*, **2006**, 515, 141-151	2.2	19
138	A comparative investigation of the tribological behavior and scratch response of polyester powder coatings filled with different solid lubricants. *Progress in Organic Coatings*, **2014**, 77, 1408-1417	4.8	18

137	Manufacturing of steel foams by Slip Reaction Foam Sintering (SRFS). *Materials & Design*, **2012**, 40, 268-275		18
136	Laser transmission welding of poly(ethylene terephthalate) and biodegradable poly(ethylene terephthalate) Based blends. *Optics and Lasers in Engineering*, **2017**, 90, 110-118	4.6	18
135	Chemical vapor deposition of highly adherent diamond coatings onto co-cemented tungsten carbides irradiated by high power diode laser. *ACS Applied Materials & Interfaces*, **2012**, 4, 694-701	9.5	18
134	Influence of scratch load and speed in scratch tests of bilayer powder coatings. *Progress in Organic Coatings*, **2009**, 64, 247-258	4.8	18
133	HVOF-sprayed WC-Co as hard interlayer for DLC films. *Surface and Coatings Technology*, **2008**, 203, 699-703	4.4	18
132	Post-deposition laser treatment of plasma sprayed titania-hydroxyapatite functionally graded coatings. *Journal of the European Ceramic Society*, **2009**, 29, 3147-3158	6	17
131	An artificial neural network model for laser transmission welding of biodegradable polyethylene terephthalate/polyethylene vinyl acetate (PET/PEVA) blends. *International Journal of Advanced Manufacturing Technology*, **2019**, 102, 1497-1507	3.2	17
130	Effect of welding parameters on functionality of dissimilar laser-welded NiTi superelastic (SE) to shape memory effect (SME) wires. *International Journal of Advanced Manufacturing Technology*, **2019**, 103, 1593-1601	3.2	16
129	Experimental evaluation of plowing and scratch hardness of aqueous two-component polyurethane (2K-PUR) coatings on glass and polycarbonate. *Progress in Organic Coatings*, **2014**, 77, 636-645	4.8	16
128	Characterization of laser treated steels using instrumented indentation by cylindrical flat punch. *Surface and Coatings Technology*, **2008**, 202, 2557-2569	4.4	16
127	Fluidized bed micro-machining and HFCVD of diamond films onto Co-cemented tungsten carbide (WC-Co) hardmetal slabs. *Thin Solid Films*, **2006**, 515, 87-94	2.2	16
126	Scratch, wear and corrosion resistant organic inorganic hybrid materials for metals protection and barrier. *Materials & Design*, **2015**, 69, 130-140		15
125	Recent Advances in the Deposition of Diamond Coatings on Co-Cemented Tungsten Carbides. *Advances in Materials Science and Engineering*, **2012**, 2012, 1-14	1.5	15
124	LaserOrigami (LO) of three-dimensional (3D) components: Experimental analysis and numerical modelling. *Journal of Manufacturing Processes*, **2016**, 23, 242-248	5	15
123	Additive manufacturing of polyhydroxyalkanoates (PHAs) biopolymers: Materials, printing techniques, and applications. *Materials Science and Engineering C*, **2021**, 127, 112216	8.3	15
122	Improvements in springback control by external force laser-assisted sheet bending of titanium and aluminum alloys. *Optics and Laser Technology*, **2016**, 86, 46-53	4.2	14
121	Laser forming of glass laminate aluminium reinforced epoxy (GLARE): On the role of mechanical, physical and chemical interactions in the multi-layers material. *Optics and Lasers in Engineering*, **2018**, 110, 364-376	4.6	14
120	Laser-Assisted Bending of Sharp Angles With Small Fillet Radius on Stainless Steel Sheets: Analysis of Experimental Set-Up and Processing Parameters. *Lasers in Manufacturing and Materials Processing*, **2015**, 2, 57-73	2.1	13

119	Combined use of scratch tests and CLA profilometry to characterize polyester powder coatings. *Surface and Coatings Technology*, **2009**, 203, 1863-1878	4.4	13
118	Graphene-modified poly(lactic acid) for packaging: Material formulation, processing and performance. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	12
117	Engineering and Processing of Poly(HydroxyButyrate) (PHB) Modified by Nano-sized Graphene Nanoplatelets (GNP) and Amino-Functionalized Silica (A-fnSiO2). *Journal of Polymers and the Environment*, **2016**, 24, 1-11	4.5	12
116	Design, manufacturing and testing of anti-fouling/foul-release (AF/FR) amphiphilic coatings. *Progress in Organic Coatings*, **2018**, 123, 267-281	4.8	12
115	Drag finishing of sensitive workpieces with fluidized abrasives. *Journal of Manufacturing Processes*, **2014**, 16, 494-502	5	12
114	Laser surface modification (LSM) of thermally-sprayed Diamalloy 2002 coating. *Optics and Laser Technology*, **2012**, 44, 1942-1958	4.2	12
113	Progressive and constant load scratch testing of single- and multi-layered composite coatings. *Tribology International*, **2013**, 64, 39-52	4.9	12
112	Development of matte finishes in electrostatic (EFB) and conventional hot dipping (CHDFB) fluidized bed coating process. *Progress in Organic Coatings*, **2007**, 59, 53-67	4.8	12
111	Electrostatic spray deposition (ESD) of self organizing TiO2-epoxy powder paints: Experimental analysis and numerical modeling. *Surface and Coatings Technology*, **2006**, 201, 3212-3228	4.4	12
110	Design and manufacture of degradable polymers: Biocomposites of micro-lamellar talc and poly(lactic acid). *Materials Chemistry and Physics*, **2017**, 196, 62-74	4.4	11
109	Dissimilar Laser Welding of NiTi Wires. *Lasers in Manufacturing and Materials Processing*, **2019**, 6, 99-112	2.1	11
108	Modelling the Electrostatic Fluidised Bed (EFB) coating process using Support Vector Machines (SVMs). *Powder Technology*, **2014**, 258, 85-93	5.2	11
107	External force-assisted LaserOrigami (LO) bending: Shaping of 3D cubes and edge design of stainless steel chairs. *Journal of Manufacturing Processes*, **2015**, 18, 159-166	5	11
106	Effect of the substrate and interface on micro-scratch deformation of epoxy-polyester powder coatings. *Progress in Organic Coatings*, **2012**, 74, 712-718	4.8	11
105	Production of Open Cell Aluminum Foams by Using the Dissolution and Sintering Process (DSP). *Journal of Manufacturing Science and Engineering, Transactions of the ASME*, **2009**, 131,	3.3	11
104	The role of the substrate in micro-scale scratching of epoxy polyester films. *Applied Surface Science* , **2011**, 257, 4449-4463	6.7	11
103	Development of smooth finishes in electrostatic fluidized bed (EFB) coating process of high-performance thermoplastic powders (PPA 571 H). *Progress in Organic Coatings*, **2006**, 57, 337-347	4.8	11
102	Metal foams for structural applications: design and manufacturing. *International Journal of Computer Integrated Manufacturing*, **2007**, 20, 497-504	4.3	11

101	Line bending of Al2O3 coated and uncoated aluminium thin sheets. *Surface and Coatings Technology*, **2006**, 201, 660-673	4.4	11
100	A FEM model of conventional hot dipping coating process by using a fluidized bed. *Progress in Organic Coatings*, **2005**, 54, 390-398	4.8	11
99	Extrusion blow molding of environmentally friendly bottles in biodegradable polyesters blends. *Polymer Testing*, **2019**, 77, 105885	4.5	10
98	Thermoforming of compostable PLA/PBS blends reinforced with highly hygroscopic calcium carbonate. *Journal of Manufacturing Processes*, **2020**, 56, 1185-1192	5	10
97	Recycling of PLA-based bioplastics: The role of chain-extenders in twin-screw extrusion compounding and cast extrusion of sheets. *Journal of Applied Polymer Science*, **2020**, 137, 49292	2.9	10
96	Design and manufacture of photoluminescent coatings on stainless steel substrates. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 455, 147-155	5.1	10
95	Wear resistance of injection moulded PLA-talc engineered bio-composites: Effect of material design, thermal history and shear stresses during melt processing. *Wear*, **2017**, 390-391, 184-197	3.5	10
94	Progress in Tridimensional (3d) Laser Forming of Stainless Steel Sheets. *Lasers in Manufacturing and Materials Processing*, **2015**, 2, 148-163	2.1	10
93	Scratch resistance and tribological performance of thermosetting composite powder coatings system: A comparative evaluation. *Surface and Coatings Technology*, **2015**, 263, 27-35	4.4	10
92	Manufacture and characterization of free-standing epoxy-polyester films. *Progress in Organic Coatings*, **2011**, 70, 259-272	4.8	10
91	Dry sliding wear response of some industrial powder coatings. *Tribology International*, **2011**, 44, 1236-1250	4.9	10
90	Scratch and wear resistance of transparent topcoats on carbon laminates. *Progress in Organic Coatings*, **2010**, 67, 209-219	4.8	10
89	High speed finishing of a CuZn15 brass alloy by Abrasive Recirculating Fluidized Bed (ARFB). *Powder Technology*, **2010**, 203, 591-602	5.2	10
88	Electrostatic fluidized bed (EFB) coating of heat sensitive and electrical insulating substrates with low-curing thermoset epoxy-polyester (EP) powders. *Progress in Organic Coatings*, **2006**, 56, 185-198	4.8	10
87	An application of neural network solutions to laser assisted paint stripping process of hybrid epoxy-polyester coatings on aluminum substrates. *Surface and Coatings Technology*, **2006**, 200, 6678-6689	4.4	10
86	Design, development and first validation of biocide-free anti-fouling coatings. *Progress in Organic Coatings*, **2018**, 123, 35-46	4.8	9
85	Fast Regime Fluidized Bed Machining (FR-FBM) of Thermally Sprayed Coatings. *Journal of Thermal Spray Technology*, **2008**, 17, 796-804	2.5	9
84	Microstructural and tribological characterisation of as sprayed and heat treated HVOF deposited Ni alloys. *Surface Engineering*, **2007**, 23, 355-372	2.6	9

83	Prediction model for determining the optimum operational parameters in laser forming of fiber-reinforced composites. *Advances in Manufacturing*, **2020**, 8, 242-251	2.7	8
82	Smart coatings on thermoplastic polycarbonates: LEGO-Design (LD) for facile manufacturability. *Progress in Organic Coatings*, **2016**, 101, 161-177	4.8	8
81	Design, processing and characterization of flexible hybrid coatings: A comparative evaluation. *Materials & Design*, **2014**, 54, 924-933		8
80	New ways to the manufacturing of pigmented multi-layer protective coatings. *Surface and Coatings Technology*, **2013**, 232, 860-867	4.4	8
79	Application and drying at ambient temperature of thick organic□inorganic hybrid coatings on glass. *Surface and Coatings Technology*, **2013**, 236, 212-223	4.4	8
78	Mechanical strength and wear resistance of protective coatings applied by fluidized bed (FB). *Progress in Organic Coatings*, **2008**, 61, 262-282	4.8	8
77	Recovering recyclable materials: Experimental analysis of CD-R laser processing. *Optics and Lasers in Engineering*, **2007**, 45, 208-221	4.6	8
76	Advance in fluidized bed coating: An experimental investigation on a performance polymer coating alloy. *Journal of Materials Processing Technology*, **2006**, 178, 170-180	5.3	8
75	Advances in design and manufacturing of environmentally friendly and biocide-free antifouling/foul-release coatings: replacement of fluorinate species **2019**, 16, 661-680		8
74	Thermal behavior of extruded and injection-molded poly(lactic acid)□talc engineered biocomposites: Effects of material design, thermal history, and shear stresses during melt processing. *Journal of Applied Polymer Science*, **2017**, 134, 45179	2.9	7
73	Improvements in mechanical strength and thermal stability of injection and compression molded components based on Poly Lactic Acids. *Advances in Polymer Technology*, **2018**, 37, 2158-2170	1.9	7
72	Environmentally friendly wooden-based coatings for thermal insulation: Design, manufacturing and performances. *Progress in Organic Coatings*, **2014**, 77, 701-711	4.8	7
71	A comparative evaluation of fluidized bed assisted drag finishing and centrifugal disk dry finishing **2014**, 17, 63-72		7
70	Surface reconstruction of porous substrates in sintered bronze by cw-high power diode laser. *Optics and Lasers in Engineering*, **2012**, 50, 1306-1315	4.6	7
69	Wear response and mechanical behaviour of silicone-based photoluminescent coatings. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 429, 1-11	5.1	7
68	Hybrid forming process of AA 6108 T4 thin sheets: Modelling by neural network solutions. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2009**, 223, 535-545	2.4	7
67	Surface modification of Al□Al2O3 composites by laser treatment. *Optics and Lasers in Engineering*, **2010**, 48, 1266-1277	4.6	7
66	Fast Regime-Fluidized Bed Machining (FR-FBM) of Atmospheric Plasma Spraying (APS) TiO2 coatings. *Surface and Coatings Technology*, **2008**, 203, 855-861	4.4	7

65	Design and manufacturing of protective barriers on Fe 430 B substrates by phenyl methyl polysiloxane coatings: micromechanical response, chemical inertness, and corrosion resistance **2015**, 12, 333-346		6
64	Thermo-Mechanical Properties of Injection Molded Components Manufactured by Engineered Biodegradable Blends. *Journal of Polymers and the Environment*, **2019**, 27, 2105-2118	4.5	6
63	Retrofitting of solar glasses by protective anti-soiling and -graffiti coatings. *Renewable Energy*, **2014**, 66, 443-453	8.1	6
62	Co removal and phase transformations during high power diode laser irradiation of cemented carbide. *Applied Surface Science*, **2011**, 257, 4239-4245	6.7	6
61	Surface appearance and mechanical strength of multi-layer polymeric films. *Progress in Organic Coatings*, **2008**, 61, 249-261	4.8	6
60	Cast extrusion of low gas permeability bioplastic sheets in PLA/PBS and PLA/PHB binary blends. *Polymer-Plastics Technology and Materials*, **2020**, 59, 231-240	1.5	6
59	The effects of TiO2 sol concentration on single- and multiple-scratch damage in electroplated NiB-TiO2 sol composite coating. *Ceramics International*, **2020**, 46, 3767-3776	5.1	6
58	Experimental investigation and modeling of fluidized bed assisted drag finishing according to the theory of localization of plastic deformation and energy absorption. *International Journal of Advanced Manufacturing Technology*, **2015**, 77, 2165-2180	3.2	5
57	Manufacturing of cellulose-based paper: dynamic water absorption before and after fiber modifications with hydrophobic agents. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	5
56	High-Density Polyethylene/SrAl2O4:Eu2+, Dy3+ Photoluminescent Pigments: Material Design, Melt Processing, and Characterization. *Polymer-Plastics Technology and Engineering*, **2017**, 56, 400-410		5
55	Raman and photoluminescence study of hot filament CVD diamond films grown on WC□Co substrates. *Journal of Raman Spectroscopy*, **2008**, 39, 157-163	2.3	5
54	Effect of micro-lamellar talc on dimensional accuracy and stability in injection molding of PLA/PBSA blends. *Polymer-Plastics Technology and Materials*, **2019**, 58, 776-788	1.5	5
53	Ultra-flexible PLA-based blends for the manufacturing of biodegradable tamper-evident screw caps by injection molding. *Journal of Applied Polymer Science*, **2020**, 137, 49428	2.9	4
52	Hard polyurethane coatings on compliant polycarbonate: An application of the 3D deformation response model to scratch visibility. *Progress in Organic Coatings*, **2013**, 76, 1494-1504	4.8	4
51	Engineering of Poly Lactic Acids (PLAs) for melt processing: Material structure and thermal properties. *Journal of Applied Polymer Science*, **2017**, 134,	2.9	4
50	The Mechanisms of Material Removal in the Fluidized Bed Machining of Polyvinyl Chloride Substrates. *Journal of Manufacturing Science and Engineering, Transactions of the ASME*, **2013**, 135,	3.3	4
49	Effects of IR pre-curing conditions on wear resistance of metal flake powder coatings. *Progress in Organic Coatings*, **2011**, 70, 273-286	4.8	4
48	Scratch and wear resistance of transparent topcoats on carbon laminates. *Progress in Organic Coatings*, **2010**, 68, 100-110	4.8	4

47	HF-CVD of diamond coatings onto Fluidized Bed (FB) treated CrN interlayers. *Thin Solid Films*, **2010**, 519, 1594-1599	2.2	4
46	Surface preparation and coating of metal coils by using a fully integrated manufacturing system. *International Journal of Computer Integrated Manufacturing*, **2007**, 20, 452-464	4.3	4
45	Engineered poly(lactic acid)-talc biocomposites for melt processing: Effects of co-blending with poly(butylene succinate) and poly(butylene terephthalate) on thermal and mechanical behavior. *Polymer Engineering and Science*, **2019**, 59, 264-273	2.3	4
44	Compatibilization strategies and analysis of morphological features of poly(butylene adipate-co-terephthalate) (PBAT)/poly(lactic acid) PLA blends: A state-of-art review. *European Polymer Journal*, **2022**, 173, 111304	5.2	4
43	Heat treatment of AA 6082 T6 aluminum alloy coated with thin Al2O3 layer by fluidized bed. *International Journal of Advanced Manufacturing Technology*, **2018**, 96, 2605-2618	3.2	3
42	Welding strength of dissimilar laser-welded NiTi and NiTiCu shape memory wires. *Manufacturing Letters*, **2019**, 22, 25-27	4.5	3
41	Abrasive Fluidized Bed (AFB) finishing of thermally sprayed cobalt-chromium coatings. *Manufacturing Letters*, **2013**, 1, 1-4	4.5	3
40	Flash IR pre-curing of the decorative layer in metal-flake powder coatings. *Progress in Organic Coatings*, **2011**, 72, 498-510	4.8	3
39	Al 2 O 3 Graded Coatings on Aluminum Alloy Deposited by the Fluidized Bed (FB) Technique: Film Formation and Mechanical Performance. *Journal of Engineering Materials and Technology, Transactions of the ASME*, **2010**, 132,	1.8	3
38	On the interaction mechanisms between a high-power diode laser source and silver alloys: The case of aesthetic welding. *Optics and Lasers in Engineering*, **2009**, 47, 821-830	4.6	3
37	Local Mechanical and Morphological Characterization of Friction Stir-Welded Butt Joints. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2006**, 220, 813-821	2.4	3
36	Improvement of Fatigue Behaviour of High Strength Aluminium Alloys by Fluidized Bed Peening (FBP). *Key Engineering Materials*, **2007**, 344, 87-96	0.4	3
35	Manufacturing and characterization of polyether ether ketone/methyl phenyl polysiloxane composite coatings. *Journal of Applied Polymer Science*, **2016**, 133,	2.9	3
34	Design, manufacturing and preliminary assessment of the suitability of bioplastic bottles for wine packaging. *Polymer Testing*, **2021**, 100, 107227	4.5	3
33	Laser polishing: a review of a constantly growing technology in the surface finishing of components made by additive manufacturing. *International Journal of Advanced Manufacturing Technology*, **2022**, 120, 1433	3.2	3
32	Investigation on the functionality of laser-welded NiTi to NiTiCu shape memory wires. *Journal of Intelligent Material Systems and Structures*, **2020**, 31, 1171-1175	2.3	2
31	Functionalized polysiloxane coatings on hot-rolled and high-strength Fe 430 B steel: Analysis of mechanical response and resistance to chemicals. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	2
30	Scratch resistance of fast-cured metal flake powder coatings. *Progress in Organic Coatings*, **2010**, 67, 161-169	4.8	2

29	Modelling of Fluidized Bed Degreasing (FBD) process by ANNs. *International Journal of Surface Science and Engineering*, **2008**, 2, 294	1	2
28	Fluidized bed coating of metal substrates by using high performance thermoplastic powders: Statistical approach and neural network modelling. *Engineering Applications of Artificial Intelligence*, **2008**, 21, 1130-1143	7.2	2
27	Application of instrumented micro-indentations to in situ mechanical characterization of wooden structures: Part I Analysis of highly selected and decayed pinewood samples. *Measurement: Journal of the International Measurement Confederation*, **2006**, 39, 274-284	4.6	2
26	Application of instrumented micro-indentations to in situ mechanical characterization of wooden structures: Part II Analysis of different species. *Measurement: Journal of the International Measurement Confederation*, **2006**, 39, 285-295	4.6	2
25	Fuzzy Model for Electrostatic Fluidized Bed Coating **2014**,		2
24	Production and processing of biodegradable and compostable biomaterials. *Studies in Surface Science and Catalysis*, **2020**, 179, 231-242	1.8	2
23	Advance on processing of compostable and thermally stable biodegradable polyester blends. *Journal of Applied Polymer Science*, **2020**, 137, 48722	2.9	2
22	Comparative investigation of scratch resistance and tribological performance of NiB TiO2 composite coatings prepared by conventional and novel processing methods. *Ceramics International*, **2021**, 47, 14438-14454	5.1	2
21	Corotating twin-screw extrusion of poly(lactic acid) PLA/poly(butylene succinate) PBS/ micro-lamellar talc blends for extrusion blow molding of biobased bottles for alcoholic beverages. *Journal of Applied Polymer Science*, **2021**, 138, 51294	2.9	2
20	Fuzzy model for fluidized bed assisted drag finishing **2015**,		1
19	Scratch resistance of fast-cured metal flake powder coatings. *Progress in Organic Coatings*, **2010**, 68, 111-119	4.8	1
18	An application of a high power diode laser to remove oxides on AISI 316L stainless steel. *International Journal of Materials and Product Technology*, **2008**, 32, 71	1	1
17	Comparative life cycle analysis of disposable and reusable tableware: The role of bioplastics. *Cleaner Engineering and Technology*, **2022**, 6, 100419	2.7	1
16	Life cycle assessment (LCA) of bio-based packaging solutions for extended shelf-life (ESL) milk. *Environmental Science and Pollution Research*, **2021**, 1	5.1	1
15	Tailor-Made Bioplastics for Environmentally Friendly Food Packaging: A Methodological Approach to a Challenging Problem **2020**, 605-616		1
14	Print base decorative paper with high-dimensional stability by chemical fiber modification: An experimental and analytical approach. *Journal of Applied Polymer Science*, **2021**, 138, 49805	2.9	1
13	Laser sealing of PLA-based compostable coffee capsules. *Optics and Laser Technology*, **2021**, 133, 106557	4.2	1
12	Thermal behavior of injection- and compression-molded custom-built polylactic acids. *Advances in Polymer Technology*, **2018**, 37, 1444-1455	1.9	1

11	Laser transmission welding of aluminum film coated with heat sealable co-polyester resin with polypropylene films for applications in food and drug packaging. *International Journal of Advanced Manufacturing Technology*, **2022**, 120, 2291	3.2	1
10	Wood-Reinforced Polyphthalamide Resins: MultiFunctional Composite Coating for Metal Substrates. *International Journal of Polymer Science*, **2014**, 2014, 1-11	2.4	0
9	Effect of filler content on scratch behavior and tribological performance of polyester/graphene oxide nanocomposite coating **2021**, 18, 1269-1280		0
8	Optimizing crystallinity of engineered poly(lactic acid)/poly(butylene succinate) blends: The role of single and multiple nucleating agents. *Journal of Applied Polymer Science*, **2021**, 138, app50236	2.9	0
7	Laser sealing of compostable packaging solutions: Experimental approach and adhesion mechanisms. *Optics and Lasers in Engineering*, **2021**, 137, 106369	4.6	0
6	Laser joining of aluminum film coated with vinylic resin and plastic/bioplastic films for applications in food packaging. *Optics and Laser Technology*, **2021**, 142, 107237	4.2	0
5	Scratch- and wear-resistant photoluminescent silicone epoxy coatings on floor tiles **2015**, 1		
4	On the use of Fluidised Bed Coating (FBC) to deposit thin Al2O3 films onto metal substrates. *International Journal of Materials and Product Technology*, **2009**, 35, 407	1	
3	A Comparative Investigation of the Tribological and the Mechanical Behavior of Polyester Powder Coatings Filled with Graphite Depending on the Filling Percentage and the Size of the Graphite Particles. *Lecture Notes in Mechanical Engineering*, **2021**, 252-258	0.4	
2	Injection-stretch blow molding of poly (lactic acid)/polybutylene succinate blends for the manufacturing of bottles. *Journal of Applied Polymer Science*, **2022**, 139, 51557	2.9	
1	Siloxane coating with epoxy modification: optimization of adhesion to improve steel corrosion protection. *Journal of Coatings Technology Research*,1		