

# Massimiliano Barletta

## List of Publications by Year in descending order

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179  
papers

2,960  
citations

172207

29  
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276539

41  
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183  
all docs

183  
docs citations

183  
times ranked

2058  
citing authors

#	ARTICLE	IF	CITATIONS
1	4D printing of shape memory polylactic acid (PLA) components: Investigating the role of the operational parameters in fused deposition modelling (FDM). <i>Journal of Manufacturing Processes</i> , 2021, 61, 473-480.	2.8	90
2	Poly(butylene succinate) (PBS): Materials, processing, and industrial applications. <i>Progress in Polymer Science</i> , 2022, 132, 101579.	11.8	82
3	HVOF-sprayed WC-CoCr coatings on Al alloy: Effect of the coating thickness on the tribological properties. <i>Wear</i> , 2009, 267, 944-953.	1.5	79
4	Springback control in sheet metal bending by laser-assisted bending: Experimental analysis, empirical and neural network modelling. <i>Optics and Lasers in Engineering</i> , 2011, 49, 1372-1383.	2.0	68
5	Additive manufacturing of polyhydroxyalkanoates (PHAs) biopolymers: Materials, printing techniques, and applications. <i>Materials Science and Engineering C</i> , 2021, 127, 112216.	3.8	63
6	Abrasive Fluidized Bed (AFB) finishing of AlSi10Mg substrates manufactured by Direct Metal Laser Sintering (DMLS). <i>Additive Manufacturing</i> , 2016, 10, 15-23.	1.7	56
7	Compatibilization strategies and analysis of morphological features of poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Journal, 2022, 173, 111304.	2.6	56
8	Microstructural and tribological comparison of HVOF-sprayed and post-treated M-Mo-Cr-Si (M=Co, Tj ETQq0 0 0 rgBT /Overlock 1.5 55	1.5	55
9	Epoxy-based thermosetting powder coatings: Surface appearance, scratch adhesion and wear resistance. <i>Surface and Coatings Technology</i> , 2007, 201, 7479-7504.	2.2	54
10	On the use of CrN/Cr and CrN interlayers in hot filament chemical vapour deposition (HF-CVD) of diamond films onto WC-Co substrates. <i>Diamond and Related Materials</i> , 2008, 17, 325-335.	1.8	50
11	Development of an abrasive jet machining system assisted by two fluidized beds for internal polishing of circular tubes. <i>International Journal of Machine Tools and Manufacture</i> , 2006, 46, 271-283.	6.2	49
12	Wear and Corrosion Behavior of HVOF-Sprayed WC-CoCr Coatings on Al Alloys. <i>Journal of Thermal Spray Technology</i> , 2010, 19, 358-367.	1.6	48
13	Wear resistance of nano- and micro-crystalline diamond coatings onto WC-Co with Cr/CrN interlayers. <i>Thin Solid Films</i> , 2010, 519, 1629-1635.	0.8	48
14	Progress in fluidized bed assisted abrasive jet machining (FB-AJM): Internal polishing of aluminium tubes. <i>International Journal of Machine Tools and Manufacture</i> , 2007, 47, 483-495.	6.2	46
15	High Power Diode Laser (HPDL) surface hardening of low carbon steel: Fatigue life improvement analysis. <i>Journal of Manufacturing Processes</i> , 2017, 28, 266-271.	2.8	45
16	A new technology in surface finishing: Fluidized bed machining (FBM) of aluminium alloys. <i>Journal of Materials Processing Technology</i> , 2006, 173, 157-165.	3.1	44
17	Advance in paint stripping from aluminium substrates. <i>Journal of Materials Processing Technology</i> , 2006, 173, 232-239.	3.1	44
18	Progress in abrasive fluidized bed machining. <i>Journal of Materials Processing Technology</i> , 2009, 209, 6087-6102.	3.1	43

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19	Hot filament chemical vapour deposition and wear resistance of diamond films on WC-Co substrates coated using PVD-arc deposition technique. <i>Diamond and Related Materials</i> , 2006, 15, 1284-1291.	1.8	40
20	Electrostatic spray painting of carbon fibre-reinforced epoxy composites. <i>Progress in Organic Coatings</i> , 2009, 64, 339-349.	1.9	40
21	On the combined use of scratch tests and CLA profilometry for the characterization of polyester powder coatings: Influence of scratch load and speed. <i>Applied Surface Science</i> , 2008, 254, 7198-7214.	3.1	35
22	Heat treatment effects on the corrosion resistance of some HVOF-sprayed metal alloy coatings. <i>Surface and Coatings Technology</i> , 2008, 202, 4839-4847.	2.2	35
23	Fluidized Bed Assisted Abrasive Jet Machining (FB-AJM): Precision Internal Finishing of Inconel 718 Components. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007, 129, 1045-1059.	1.3	33
24	Adhesion and wear resistance of CVD diamond coatings on laser treated WC-Co substrates. <i>Wear</i> , 2011, 271, 2016-2024.	1.5	32
25	Laser-assisted bending of Titanium Grade-2 sheets: Experimental analysis and numerical simulation. <i>Optics and Lasers in Engineering</i> , 2017, 92, 110-119.	2.0	32
26	Investigation on shape recovery of 3D printed honeycomb sandwich structure. <i>Polymers for Advanced Technologies</i> , 2020, 31, 3361-3365.	1.6	32
27	Electrostatic spray deposition (ESD) of polymeric powders on thermoplastic (PA66) substrate. <i>Surface and Coatings Technology</i> , 2006, 201, 296-308.	2.2	31
28	Visual appearance and scratch resistance of high performance thermoset and thermoplastic powder coatings. <i>Progress in Organic Coatings</i> , 2013, 76, 244-256.	1.9	31
29	Hard transparent coatings on thermoplastic polycarbonate. <i>Progress in Organic Coatings</i> , 2016, 90, 178-186.	1.9	30
30	Graphene reinforced UV-curable epoxy resins: Design, manufacture and material performance. <i>Progress in Organic Coatings</i> , 2016, 90, 414-424.	1.9	30
31	Recycling of PLA-based bioplastics: The role of chain extenders in twin-screw extrusion compounding and cast extrusion of sheets. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49292.	1.3	30
32	Modelling of electrostatic fluidized bed (EFB) coating process using artificial neural networks. <i>Engineering Applications of Artificial Intelligence</i> , 2007, 20, 721-733.	4.3	29
33	High performance composite coatings on plastics: UV-curable cycloaliphatic epoxy resins reinforced by graphene or graphene derivatives. <i>Surface and Coatings Technology</i> , 2015, 272, 322-336.	2.2	28
34	Laser polishing: a review of a constantly growing technology in the surface finishing of components made by additive manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 1433-1472.	1.5	28
35	Influence of process parameters in electrostatic fluidized bed coating. <i>Surface and Coatings Technology</i> , 2006, 200, 4619-4629.	2.2	26
36	HVOF-sprayed WC-Co as hard interlayer for DLC films. <i>Surface and Coatings Technology</i> , 2008, 203, 699-703.	2.2	26

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37	Electrostatic fluidized bed deposition of a high performance polymeric powder on metallic substrates. <i>Surface and Coatings Technology</i> , 2006, 200, 4282-4290.	2.2	24
38	An artificial neural network model for laser transmission welding of biodegradable polyethylene terephthalate/polyethylene vinyl acetate (PET/PEVA) blends. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 102, 1497-1507.	1.5	24
39	Improvements in springback control by external force laser-assisted sheet bending of titanium and aluminum alloys. <i>Optics and Laser Technology</i> , 2016, 86, 46-53.	2.2	22
40	Laser transmission welding of poly(ethylene terephthalate) and biodegradable poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	2.0	22
41	Al <sub>2</sub> O <sub>3</sub> thin coating of AA 6082 T6 components using a fast regime fluidized bed. <i>Thin Solid Films</i> , 2006, 515, 141-151.	0.8	21
42	Influence of scratch load and speed in scratch tests of bilayer powder coatings. <i>Progress in Organic Coatings</i> , 2009, 64, 247-258.	1.9	21
43	Recent Advances in the Deposition of Diamond Coatings on Co-Cemented Tungsten Carbides. <i>Advances in Materials Science and Engineering</i> , 2012, 2012, 1-14.	1.0	21
44	Chemical Vapor Deposition of Highly Adherent Diamond Coatings onto Co-Cemented Tungsten Carbides Irradiated by High Power Diode Laser. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 694-701.	4.0	21
45	Design, manufacturing and testing of anti-fouling/foul-release (AF/FR) amphiphilic coatings. <i>Progress in Organic Coatings</i> , 2018, 123, 267-281.	1.9	21
46	Effect of welding parameters on functionality of dissimilar laser-welded NiTi superelastic (SE) to shape memory effect (SME) wires. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 1593-1601.	1.5	21
47	Post-deposition laser treatment of plasma sprayed titania-hydroxyapatite functionally graded coatings. <i>Journal of the European Ceramic Society</i> , 2009, 29, 3147-3158.	2.8	20
48	Manufacturing of steel foams by Slip Reaction Foam Sintering (SRFS). <i>Materials &amp; Design</i> , 2012, 40, 268-275.	5.1	20
49	Self-cleaning and self-sanitizing coatings on plastic fabrics: Design, manufacture and performance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 120, 71-80.	2.5	20
50	A comparative investigation of the tribological behavior and scratch response of polyester powder coatings filled with different solid lubricants. <i>Progress in Organic Coatings</i> , 2014, 77, 1408-1417.	1.9	20
51	Scratch response of high-performance thermoset and thermoplastic powders deposited by the electrostatic spray and "hot dipping" fluidised bed coating methods: The role of the contact condition. <i>Surface and Coatings Technology</i> , 2011, 205, 5186-5198.	2.2	19
52	Characterization of laser treated steels using instrumented indentation by cylindrical flat punch. <i>Surface and Coatings Technology</i> , 2008, 202, 2557-2569.	2.2	18
53	Laser forming of glass laminate aluminium reinforced epoxy (GLARE): On the role of mechanical, physical and chemical interactions in the multi-layers material. <i>Optics and Lasers in Engineering</i> , 2018, 110, 364-376.	2.0	18
54	LaserOrigami (LO) of three-dimensional (3D) components: Experimental analysis and numerical modelling. <i>Journal of Manufacturing Processes</i> , 2016, 23, 242-248.	2.8	17

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55	Thermoforming of compostable PLA/PBS blends reinforced with highly hygroscopic calcium carbonate. <i>Journal of Manufacturing Processes</i> , 2020, 56, 1185-1192.	2.8	17
56	Fluidized bed micro-machining and HFCVD of diamond films onto Co-cemented tungsten carbide (WC-Co) hardmetal slabs. <i>Thin Solid Films</i> , 2006, 515, 87-94.	0.8	16
57	Experimental evaluation of plowing and scratch hardness of aqueous two-component polyurethane (2K-PUR) coatings on glass and polycarbonate. <i>Progress in Organic Coatings</i> , 2014, 77, 636-645.	1.9	16
58	Scratch, wear and corrosion resistant organic inorganic hybrid materials for metals protection and barrier. <i>Materials &amp; Design</i> , 2015, 69, 130-140.	5.1	16
59	Dissimilar Laser Welding of NiTi Wires. <i>Lasers in Manufacturing and Materials Processing</i> , 2019, 6, 99-112.	1.2	16
60	Development of matte finishes in electrostatic (EFB) and conventional hot dipping (CHDFB) fluidized bed coating process. <i>Progress in Organic Coatings</i> , 2007, 59, 53-67.	1.9	15
61	Combined use of scratch tests and CLA profilometry to characterize polyester powder coatings. <i>Surface and Coatings Technology</i> , 2009, 203, 1863-1878.	2.2	15
62	Drag finishing of sensitive workpieces with fluidized abrasives. <i>Journal of Manufacturing Processes</i> , 2014, 16, 494-502.	2.8	15
63	Progress in Tridimensional (3d) Laser Forming of Stainless Steel Sheets. <i>Lasers in Manufacturing and Materials Processing</i> , 2015, 2, 148-163.	1.2	15
64	Laser-Assisted Bending of Sharp Angles With Small Fillet Radius on Stainless Steel Sheets: Analysis of Experimental Set-Up and Processing Parameters. <i>Lasers in Manufacturing and Materials Processing</i> , 2015, 2, 57-73.	1.2	15
65	Design and manufacture of degradable polymers: Biocomposites of micro-lamellar talc and poly(lactic acid). <i>Journal of Applied Polymer Science</i> , 2017, 141, 4585-4594.	2.0	15
66	A FEM model of conventional hot dipping coating process by using a fluidized bed. <i>Progress in Organic Coatings</i> , 2005, 54, 390-398.	1.9	14
67	Electrostatic spray deposition (ESD) of "self organizing" TiO <sub>2</sub> -epoxy powder paints: Experimental analysis and numerical modeling. <i>Surface and Coatings Technology</i> , 2006, 201, 3212-3228.	2.2	14
68	Progressive and constant load scratch testing of single- and multi-layered composite coatings. <i>Tribology International</i> , 2013, 64, 39-52.	3.0	14
69	Scratch resistance and tribological performance of thermosetting composite powder coatings system: A comparative evaluation. <i>Surface and Coatings Technology</i> , 2015, 263, 27-35.	2.2	14
70	Graphene-modified poly(lactic acid) for packaging: Material formulation, processing and performance. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	14
71	Wear resistance of injection moulded PLA-talc engineered bio-composites: Effect of material design, thermal history and shear stresses during melt processing. <i>Wear</i> , 2017, 390-391, 184-197.	1.5	14
72	Functional Behavior and Energy Absorption Characteristics of Additively Manufactured Smart Sandwich Structures. <i>Advanced Engineering Materials</i> , 2022, 24, .	1.6	14

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73	Laser surface modification (LSM) of thermally-sprayed Diamalloy 2002 coating. Optics and Laser Technology, 2012, 44, 1942-1958.	2.2	13
74	Modelling the Electrostatic Fluidised Bed (EFB) coating process using Support Vector Machines (SVMs). Powder Technology, 2014, 258, 85-93.	2.1	13
75	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.	2.8	13
76	Extrusion blow molding of environmentally friendly bottles in biodegradable polyesters blends. Polymer Testing, 2019, 77, 105885.	2.3	13
77	Advances in design and manufacturing of environmentally friendly and biocide-free antifouling/foul-release coatings: replacement of fluorinate species. Journal of Coatings Technology Research, 2019, 16, 661-680.	1.2	13
78	The effects of TiO <sub>2</sub> sol concentration on single- and multiple-scratch damage in electroplated Ni-B-TiO <sub>2</sub> sol composite coating. Ceramics International, 2020, 46, 3767-3776.	2.3	13
79	Life cycle assessment (LCA) of PET and PLA bottles for the packaging of fresh pasteurised milk: The role of the manufacturing process and the disposal scenario. Packaging Technology and Science, 2022, 35, 135-152.	1.3	13
80	Addition of Thermoplastic Starch (TPS) to Binary Blends of Poly(lactic acid) (PLA) with Poly(butylene Terephthalate) (PET) Compostable Materials. Chinese Journal of Polymer Science (English Edition), 2022, 40, 1269-1286.	2.0	13
81	Line bending of Al <sub>2</sub> O <sub>3</sub> coated and uncoated aluminium thin sheets. Surface and Coatings Technology, 2006, 201, 660-673.	2.2	12
82	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.	1.9	12
83	Metal foams for structural applications: design and manufacturing. International Journal of Computer Integrated Manufacturing, 2007, 20, 497-504.	2.9	12
84	Effect of the substrate and interface on micro-scratch deformation of epoxy-polyester powder coatings. Progress in Organic Coatings, 2012, 74, 712-718.	1.9	12
85	Engineering and Processing of Poly(HydroxyButyrate) (PHB) Modified by Nano-sized Graphene Nanoplatelets (GNP) and Amino-Functionalized Silica (A-fnSiO <sub>2</sub> ). Journal of Polymers and the Environment, 2016, 24, 1-11.	2.4	12
86	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.	1.3	12
87	Life cycle assessment (LCA) of bio-based packaging solutions for extended shelf-life (ESL) milk. Environmental Science and Pollution Research, 2022, 29, 18617-18628.	2.7	12
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.	1.9	11
89	Fast Regime Fluidized Bed Machining (FR-FBM) of Thermally Sprayed Coatings. Journal of Thermal Spray Technology, 2008, 17, 796-804.	1.6	11
90	Mechanical strength and wear resistance of protective coatings applied by fluidized bed (FB). Progress in Organic Coatings, 2008, 61, 262-282.	1.9	11

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91	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, .	1.3	11
92	Scratch and wear resistance of transparent topcoats on carbon laminates. Progress in Organic Coatings, 2010, 67, 209-219.	1.9	11
93	High speed finishing of a CuZn15 brass alloy by Abrasive Recirculating Fluidized Bed (ARFB). Powder Technology, 2010, 203, 591-602.	2.1	11
94	The role of the substrate in micro-scale scratching of epoxy-polyester films. Applied Surface Science, 2011, 257, 4449-4463.	3.1	11
95	Design and manufacture of photoluminescent coatings on stainless steel substrates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 455, 147-155.	2.3	11
96	Smart coatings on thermoplastic polycarbonates: LEGO-Design (LD) for facile manufacturability. Progress in Organic Coatings, 2016, 101, 161-177.	1.9	11
97	Design, development and first validation of biocide-free anti-fouling coatings. Progress in Organic Coatings, 2018, 123, 35-46.	1.9	11
98	Prediction model for determining the optimum operational parameters in laser forming of fiber-reinforced composites. Advances in Manufacturing, 2020, 8, 242-251.	3.2	11
99	Design, manufacturing and preliminary assessment of the suitability of bioplastic bottles for wine packaging. Polymer Testing, 2021, 100, 107227.	2.3	11
100	Advance in fluidized bed coating: An experimental investigation on a performance polymer coating alloy. Journal of Materials Processing Technology, 2006, 178, 170-180.	3.1	10
101	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.	2.2	10
102	Microstructural and tribological characterisation of as sprayed and heat treated HVOF deposited Ni alloys. Surface Engineering, 2007, 23, 355-372.	1.1	10
103	Recovering recyclable materials: Experimental analysis of CD-R laser processing. Optics and Lasers in Engineering, 2007, 45, 208-221.	2.0	10
104	Manufacture and characterization of free-standing epoxy-polyester films. Progress in Organic Coatings, 2011, 70, 259-272.	1.9	10
105	Dry sliding wear response of some industrial powder coatings. Tribology International, 2011, 44, 1236-1250.	3.0	10
106	New ways to the manufacturing of pigmented multi-layer protective coatings. Surface and Coatings Technology, 2013, 232, 860-867.	2.2	10
107	A comparative evaluation of fluidized bed assisted drag finishing and centrifugal disk dry finishing. Engineering Science and Technology, an International Journal, 2014, 17, 63-72.	2.0	10
108	Fast Regime-Fluidized Bed Machining (FR-FBM) of Atmospheric Plasma Spraying (APS) TiO2 coatings. Surface and Coatings Technology, 2008, 203, 855-861.	2.2	9

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109	Surface modification of Al <sub>2</sub> O <sub>3</sub> composites by laser treatment. <i>Optics and Lasers in Engineering</i> , 2010, 48, 1266-1277.	2.0	9
110	Application and drying at ambient temperature of thick organic-inorganic hybrid coatings on glass. <i>Surface and Coatings Technology</i> , 2013, 236, 212-223.	2.2	9
111	Thermo-Mechanical Properties of Injection Molded Components Manufactured by Engineered Biodegradable Blends. <i>Journal of Polymers and the Environment</i> , 2019, 27, 2105-2118.	2.4	9
112	Cast extrusion of low gas permeability bioplastic sheets in PLA/PBS and PLA/PHB binary blends. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 231-240.	0.6	9
113	Manufacturing of cellulose-based paper: dynamic water absorption before and after fiber modifications with hydrophobic agents. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	9
114	Comparative life cycle analysis of disposable and reusable tableware: The role of bioplastics. <i>Cleaner Engineering and Technology</i> , 2022, 6, 100419.	2.1	9
115	Hybrid forming process of AA 6108 T4 thin sheets: Modelling by neural network solutions. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2009, 223, 535-545.	1.5	8
116	Co removal and phase transformations during high power diode laser irradiation of cemented carbide. <i>Applied Surface Science</i> , 2011, 257, 4239-4245.	3.1	8
117	Surface reconstruction of porous substrates in sintered bronze by cw-high power diode laser. <i>Optics and Lasers in Engineering</i> , 2012, 50, 1306-1315.	2.0	8
118	Wear response and mechanical behaviour of silicone-based photoluminescent coatings. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 429, 1-11.	2.3	8
119	Retrofitting of solar glasses by protective anti-soiling and -graffiti coatings. <i>Renewable Energy</i> , 2014, 66, 443-453.	4.3	8
120	Design, processing and characterization of flexible hybrid coatings: A comparative evaluation. <i>Materials &amp; Design</i> , 2014, 54, 924-933.	5.1	8
121	Environmentally friendly wooden-based coatings for thermal insulation: Design, manufacturing and performances. <i>Progress in Organic Coatings</i> , 2014, 77, 701-711.	1.9	8
122	Experimental investigation and modeling of fluidized bed assisted drag finishing according to the theory of localization of plastic deformation and energy absorption. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 77, 2165-2180.	1.5	8
123	Comparative investigation of scratch resistance and tribological performance of Ni-TiO <sub>2</sub> composite coatings prepared by conventional and novel processing methods. <i>Ceramics International</i> , 2021, 47, 14438-14454.	2.3	8
124	Laser transmission welding of aluminum film coated with heat sealable co-polyester resin with polypropylene films for applications in food and drug packaging. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 2291-2309.	1.5	8
125	Design and manufacturing of protective barriers on Fe 430 B substrates by phenyl methyl polysiloxane coatings: micromechanical response, chemical inertness, and corrosion resistance. <i>Journal of Coatings Technology Research</i> , 2015, 12, 333-346.	1.2	7
126	Improvements in mechanical strength and thermal stability of injection and compression molded components based on Poly Lactic Acids. <i>Advances in Polymer Technology</i> , 2018, 37, 2158-2170.	0.8	7



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127	Welding strength of dissimilar laser-welded NiTi and NiTiCu shape memory wires. <i>Manufacturing Letters</i> , 2019, 22, 25-27.	1.1	7
128	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. <i>Polymer Engineering and Science</i> , 2019, 59, 264-273.	1.5	7
129	Effect of micro-lamellar talc on dimensional accuracy and stability in injection molding of PLA/PBSA blends. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 776-788.	0.6	7
130	Corotating twin-screw extrusion of poly(lactic acid)/poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (succ) for alcoholic beverages. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51294.	1.3	7
131	Raman and photoluminescence study of hot filament CVD diamond films grown on WC-Co substrates. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 157-163.	1.2	6
132	Surface appearance and mechanical strength of multi-layer polymeric films. <i>Progress in Organic Coatings</i> , 2008, 61, 249-261.	1.9	6
133	The Mechanisms of Material Removal in the Fluidized Bed Machining of Polyvinyl Chloride Substrates. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2013, 135, .	1.3	6
134	Advance on processing of compostable and thermally stable biodegradable polyester blends. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48722.	1.3	6
135	Scratch and wear resistance of transparent topcoats on carbon laminates. <i>Progress in Organic Coatings</i> , 2010, 68, 100-110.	1.9	5
136	Effects of IR pre-curing conditions on wear resistance of metal flake powder coatings. <i>Progress in Organic Coatings</i> , 2011, 70, 273-286.	1.9	5
137	Hard polyurethane coatings on compliant polycarbonate: An application of the 3D deformation response model to scratch visibility. <i>Progress in Organic Coatings</i> , 2013, 76, 1494-1504.	1.9	5
138	Manufacturing and characterization of polyether ether ketone/methyl phenyl polysiloxane composite coatings. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	5
139	Engineering of Poly Lactic Acids (PLAs) for melt processing: Material structure and thermal properties. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	5
140	High-Density Polyethylene/SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> -Photoluminescent Pigments: Material Design, Melt Processing, and Characterization. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 400-410.	1.9	5
141	Production and processing of biodegradable and compostable biomaterials. <i>Studies in Surface Science and Catalysis</i> , 2020, 179, 231-242.	1.5	5
142	Laser sealing of PLA-based compostable coffee capsules. <i>Optics and Laser Technology</i> , 2021, 133, 106557.	2.2	5
143	Laser joining of aluminum film coated with vinylic resin and plastic/bioplastic films for applications in food packaging. <i>Optics and Laser Technology</i> , 2021, 142, 107237.	2.2	5
144	Surface preparation and coating of metal coils by using a fully integrated manufacturing system. <i>International Journal of Computer Integrated Manufacturing</i> , 2007, 20, 452-464.	2.9	4

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145	Fluidized bed coating of metal substrates by using high performance thermoplastic powders: Statistical approach and neural network modelling. <i>Engineering Applications of Artificial Intelligence</i> , 2008, 21, 1130-1143.	4.3	4
146	HF-CVD of diamond coatings onto Fluidized Bed (FB) treated CrN interlayers. <i>Thin Solid Films</i> , 2010, 519, 1594-1599.	0.8	4
147	Abrasive Fluidized Bed (AFB) finishing of thermally sprayed cobalt-chromium coatings. <i>Manufacturing Letters</i> , 2013, 1, 1-4.	1.1	4
148	Heat treatment of AA 6082-T6 aluminum alloy coated with thin Al <sub>2</sub> O <sub>3</sub> layer by fluidized bed. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 2605-2618.	1.5	4
149	Ultraflexible PLA based blends for the manufacturing of biodegradable tamper-evident screw caps by injection molding. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49428.	1.3	4
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