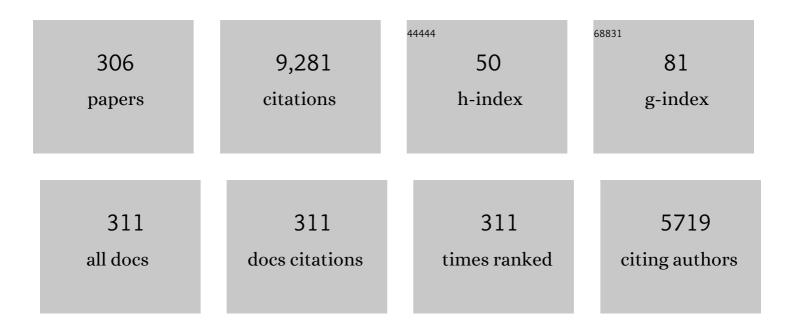


List of Publications by Year in descending order

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| 1 | Prediction of forming temperature in electrically-assisted double-sided incremental forming using a neural network. Journal of Materials Processing Technology, 2022, 302, 117486. | 3.1 | 17 |
| 2 | Mechanistic artificial intelligence (mechanistic-AI) for modeling, design, and control of advanced manufacturing processes: Current state and perspectives. Journal of Materials Processing Technology, 2022, 302, 117485. | 3.1 | 32 |
| 3 | High-throughput, in situ imaging of multi-layer powder-blown directed energy deposition with angled nozzle. Review of Scientific Instruments, 2022, 93, 023701. | 0.6 | 1 |
| 4 | Toolpath Planning for Manufacturing of Complex Parts Through Incremental Sheet Forming. , 2022, 1, . | | 1 |
| 5 | Methods for numerical simulation of knit based morphable structures: knitmorphs. Scientific Reports, 2022, 12, 6630. | 1.6 | 3 |
| 6 | Data-driven prediction of next-layer melt pool temperatures in laser powder bed fusion based on co-axial high-resolution Planck thermometry measurements. Journal of Manufacturing Processes, 2022, 79, 81-90. | 2.8 | 12 |
| 7 | Cavitation bubble removal by surfactants in Laser-Induced Plasma Micromachining. Manufacturing Letters, 2022, 32, 96-99. | 1.1 | 1 |
| 8 | Simulation-guided variable laser power design for melt pool depth control in directed energy deposition. Additive Manufacturing, 2022, 56, 102912. | 1.7 | 8 |
| 9 | Data-driven analysis of process, structure, and properties of additively manufactured Inconel 718 thin walls. Npj Computational Materials, 2022, 8, . | 3.5 | 17 |
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| 12 | On the hot deformation behavior of Ti-6Al-4V made by additive manufacturing. Journal of Materials Processing Technology, 2021, 288, 116840. | 3.1 | 54 |
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| 16 | Mechanical properties of hybrid additively manufactured Inconel 718 parts created via thermal control after secondary treatment processes. Journal of Materials Processing Technology, 2021, 291, 117047. | 3.1 | 12 |
| 17 | Physical mechanisms in hybrid additive manufacturing: A process design framework. Journal of Materials Processing Technology, 2021, 291, 117048. | 3.1 | 51 |
| 18 | Mechanistic data-driven prediction of as-built mechanical properties in metal additive manufacturing. Npj Computational Materials, 2021, 7, . | 3.5 | 43 |

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| 19 | A high-fidelity simulation of double-sided incremental forming: Improving the accuracy by incorporating the effects of machine compliance. Journal of Materials Processing Technology, 2021, 295, 117152. | 3.1 | 8 |
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| 21 | Geometry-agnostic data-driven thermal modeling of additive manufacturing processes using graph neural networks. Additive Manufacturing, 2021, 48, 102449. | 1.7 | 15 |
| 22 | Texturing of metallic surfaces for superhydrophobicity by water jet guided laser micro-machining. Applied Surface Science, 2020, 500, 144286. | 3.1 | 44 |
| 23 | Micro wave patterns by vibrating-lens assisted laser machining. Journal of Materials Processing Technology, 2020, 277, 116424. | 3.1 | 5 |
| 24 | Enumeration of additive manufacturing toolpaths using Hamiltonian paths. Manufacturing Letters, 2020, 26, 29-32. | 1.1 | 2 |
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| 26 | On the potential of recurrent neural networks for modeling path dependent plasticity. Journal of the Mechanics and Physics of Solids, 2020, 143, 103972. | 2.3 | 126 |
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| 28 | Vibrating-lens-assisted laser drilling. Journal of Manufacturing Processes, 2020, 55, 389-398. | 2.8 | 13 |
| 29 | Blank geometry design for carbon fiber reinforced plastic (CFRP) preforming using finite element analysis (FEA). Procedia Manufacturing, 2020, 48, 197-203. | 1.9 | 7 |
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| 34 | Stable membrane candidate for deployable membrane space telescopes. Journal of Astronomical Telescopes, Instruments, and Systems, 2020, 6, 1. | 1.0 | 2 |
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| 51 | An Experimental and Numerical Study of Dieless Water Jet Incremental Microforming. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, . | 1.3 | 4 |
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| 56 | A calibration method for overconstrained spatial translational parallel manipulators. Robotics and Computer-Integrated Manufacturing, 2019, 57, 241-254. | 6.1 | 31 |
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