

# Peter Frohn-Sørensen

## List of Publications by Year in descending order

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16  
papers

226  
citations

1163117

8  
h-index

996975

15  
g-index

20  
all docs

20  
docs citations

20  
times ranked

138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fracture studies of 3D-printed continuous glass fiber reinforced composites. Theoretical and Applied Fracture Mechanics, 2022, 119, 103317.	4.7	44
2	Additive manufacturing of silicon based PneuNets as soft robotic actuators. Procedia CIRP, 2018, 72, 328-333.	1.9	40
3	On the high gasification rate of Brazilian manganese ore in chemical looping combustion (CLC) for solid fuels. AICHE Journal, 2013, 59, 4346-4354.	3.6	26
4	Analysis of ESAFORM 2021 cup drawing benchmark of an Al alloy, critical factors for accuracy and efficiency of FE simulations. International Journal of Material Forming, 2022, 15, .	2.0	18
5	Flexible manufacturing chain with integrated incremental bending and Q-P heat treatment for on-demand production of AHSS safety parts. Journal of Materials Processing Technology, 2020, 275, 116312.	6.3	16
6	Design for 3D Printed Tools: Mechanical Material Properties for Direct Polymer Additive Tooling. Polymers, 2022, 14, 1694.	4.5	14
7	Product planning system for manufacture-oriented modeling of freeform bend tubes produced by three-roll-push-bending. Procedia Manufacturing, 2019, 34, 10-18.	1.9	11
8	3D printed prototyping tools for flexible sheet metal drawing. International Journal of Advanced Manufacturing Technology, 2021, 115, 2623-2637.	3.0	10
9	Dry friction under pressure variation of PACVD TiN surfaces on selected automotive sheet metals for the application in unlubricated metal forming. Wear, 2021, 476, 203750.	3.1	10
10	Sensitivity analysis of the rotary draw bending process as a database of digital equipping support. Procedia Manufacturing, 2019, 29, 592-599.	1.9	9
11	Structural optimization of additively manufactured polymer tools for flexible sheet metal forming. Procedia CIRP, 2021, 104, 1345-1350.	1.9	7
12	In situ detection and control of wrinkle formation during rotary draw bending. Procedia Manufacturing, 2020, 50, 589-596.	1.9	6
13	On the forming mechanisms of frictionally engaged linear processes under consideration of incremental swivel bending (ISB). Procedia Manufacturing, 2019, 29, 169-176.	1.9	5
14	Modelling the forming zone of force fitted bending processes. Procedia Manufacturing, 2020, 50, 411-417.	1.9	2
15	Incremental bending of conic profiles on CNC hydraulic bending machines. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 1248-1268.	2.4	2
16	Analytic process model for flexible manufacturing of cylindrical or conical sheet metal profiles in an incremental sequence. Procedia CIRP, 2021, 99, 254-259.	1.9	1