

# Tom Hj Vaneker

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8277380/publications.pdf>

Version: 2024-02-01

23  
papers

2,060  
citations

759233

12  
h-index

752698

20  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1947  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design for Additive Manufacturing: Trends, opportunities, considerations, and constraints. CIRP Annals - Manufacturing Technology, 2016, 65, 737-760.	3.6	1,291
2	Wire and arc additive manufacturing: Opportunities and challenges to control the quality and accuracy of manufactured parts. Materials and Design, 2021, 202, 109471.	7.0	207
3	Design for additive manufacturing: Framework and methodology. CIRP Annals - Manufacturing Technology, 2020, 69, 578-599.	3.6	165
4	Porosity testing methods for the quality assessment of selective laser melted parts. CIRP Annals - Manufacturing Technology, 2016, 65, 201-204.	3.6	134
5	Material Extrusion of Continuous Fiber Reinforced Plastics Using Commingled Yarn. Procedia CIRP, 2017, 66, 317-322.	1.9	50
6	Multimaterial powder bed fusion techniques. Rapid Prototyping Journal, 2022, 28, 1-19.	3.2	37
7	Printing of complex free-standing microstructures via laser-induced forward transfer (LIFT) of pure metal thin films. Additive Manufacturing, 2018, 24, 391-399.	3.0	31
8	Geometry-Based Process Planning for Multi-Axis Support-Free Additive Manufacturing. Procedia CIRP, 2018, 78, 73-78.	1.9	25
9	CAM planning for multi-axis laser additive manufacturing considering collisions. CIRP Annals - Manufacturing Technology, 2019, 68, 447-450.	3.6	20
10	Pulsed mode selective laser melting of porous structures: Structural and thermophysical characterization. Additive Manufacturing, 2020, 35, 101263.	3.0	16
11	Design Support for Maintenance Tasks using TRIZ. Procedia CIRP, 2016, 39, 67-72.	1.9	14
12	Porous materials additively manufactured at low energy: Single-layer manufacturing and characterization. Materials and Design, 2020, 191, 108654.	7.0	13
13	Novel cooling strategy for electronic packages: Directly injected cooling. CIRP Journal of Manufacturing Science and Technology, 2009, 1, 142-147.	4.5	8
14	An Experimental Study of Downfacing Surfaces in Selective Laser Melting. Advanced Engineering Materials, 2022, 24, .	3.5	8
15	Prediction and Control of Product Shape Quality for Wire and Arc Additive Manufacturing. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	2.2	7
16	TRIZ based interface conflict resolving strategies for modular product architectures. Procedia Engineering, 2011, 9, 30-39.	1.2	6
17	Introducing Trimming and Function Ranking to SolidWorks Based on Function Analysis. Procedia Engineering, 2015, 131, 184-193.	1.2	6
18	Functional, Technical and Economical Requirements Integration for Additive Manufacturing Design Education. , 2019, , 171-185.		4

#	ARTICLE	IF	CITATIONS
19	Development of a framework for using TRIZ in a co-disciplinary design environment. Procedia Engineering, 2011, 9, 379-390.	1.2	3
20	Design method for cost-effectively realizing high variety products. Procedia CIRP, 2021, 96, 139-144.	1.9	1
21	Towards more visible scientific findings in TRIZ communities through ETRIA. Procedia Engineering, 2011, 9, 1-2.	1.2	0
22	Structured Innovation with TRIZ in Science and Industry - Creating Value for Customers and Society. Procedia CIRP, 2016, 39, 1-2.	1.9	0
23	Improving the Construction of RCA+â€™%contradiction Trees. IFIP Advances in Information and Communication Technology, 2021, , 209-219.	0.7	0