

# Tomasz Strek

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

770  
citations

516710

16  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

475  
citing authors

#	ARTICLE	IF	CITATIONS
1	Response of a Sandwich Plate with Auxetic Anti-tetrachiral Core to Puncture. Lecture Notes in Mechanical Engineering, 2022, , 1-14.	0.4	2
2	Extremely Non-Auxetic Behavior of a Typical Auxetic Microstructure Due to Its Material Properties. Materials, 2021, 14, 7837.	2.9	17
3	Computational Analysis of the Mechanical Impedance of the Sandwich Beam with Auxetic Metal Foam Core. Physica Status Solidi (B): Basic Research, 2019, 256, 1800423.	1.5	40
4	Thermoauxetic Behavior of Composite Structures. Materials, 2018, 11, 294.	2.9	41
5	Influence of MBBR carriersâ€™ geometry on its flow characteristics. Chemical Engineering and Processing: Process Intensification, 2018, 130, 134-139.	3.6	10
6	Minimization of Poissonâ€™s ratio in anti-tetra-chiral two-phase structure. IOP Conference Series: Materials Science and Engineering, 2017, 248, 012006.	0.6	7
7	Finite Element Analysis of the Influence of the Covering Auxetic Layer of Plate on the Contact Pressure. Physica Status Solidi (B): Basic Research, 2017, 254, 1700103.	1.5	23
8	Torsion of a Two-Phase Composite Bar With Helical Distribution of Constituents. Physica Status Solidi (B): Basic Research, 2017, 254, 1700050.	1.5	28
9	Computational Modelling of Structures with Non-Intuitive Behaviour. Materials, 2017, 10, 1386.	2.9	36
10	Computational design of two-phase auxetic structures. Physica Status Solidi (B): Basic Research, 2016, 253, 1387-1394.	1.5	40
11	Torsion of elliptical composite beams with auxetic phase. Physica Status Solidi (B): Basic Research, 2016, 253, 1359-1368.	1.5	25
12	The influence of large deformations on mechanical properties of sinusoidal ligament structures. Smart Materials and Structures, 2016, 25, 054002.	3.5	52
13	Thermal and structural dependence of auxetic properties of composite materials. Physica Status Solidi (B): Basic Research, 2015, 252, 1551-1558.	1.5	55
14	Dynamic response of sandwich panels with auxetic cores. Physica Status Solidi (B): Basic Research, 2015, 252, 1540-1550.	1.5	103
15	Computational analysis of sandwich-structured composites with an auxetic phase. Physica Status Solidi (B): Basic Research, 2014, 251, 354-366.	1.5	62
16	Effective mechanical properties of concentric cylindrical composites with auxetic phase. Physica Status Solidi (B): Basic Research, 2012, 249, 1359-1365.	1.5	44
17	Estimation of Coupled Thermo-Physical and Thermo-Mechanical Properties of Porous Thermolabile Ceramic Material Using Hot Distortion Plus $\dot{\epsilon}$ Test. Defect and Diffusion Forum, 2011, 312-315, 764-769.	0.4	5
18	Finite element analysis of auxetic obstacle deformation and fluid flow in a channel. Journal of Non-Crystalline Solids, 2009, 355, 1387-1392.	3.1	22

#	ARTICLE	IF	CITATIONS
19	Finite element analysis of auxetic plate deformation. Journal of Non-Crystalline Solids, 2008, 354, 4475-4480.	3.1	74
20	Computer simulation of heat transfer through a ferrofluid. Physica Status Solidi (B): Basic Research, 2007, 244, 1027-1037.	1.5	52
21	Analytical approximations of the shape factors for conductive heat flow in circular and regular polygonal cross-sections. International Journal of Heat and Mass Transfer, 2001, 44, 999-1012.	4.8	25
22	Determination of free surface and gravitational flow of liquid in triangular groove. Computational Mechanics, 1999, 24, 110-117.	4.0	3
23	Vibration Transmission Loss of Auxetic Lattices. Applied Mechanics and Materials, 0, 797, 282-289.	0.2	0