Pierre-Sandre Farrugia

List of Publications by Year
in descending order

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30	840	759233 12	552781 26
papers	citations	h-index	g-index

30	30	30	539
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Auxetic behavior obtained through the large deformations of variants of the rectangular grid. Mechanics of Advanced Materials and Structures, 2023, 30, 262-271.	2.6	5
2	Reconfigurable magneto-mechanical metamaterials guided by magnetic fields. Composite Structures, 2022, 280, 114921.	5.8	17
3	The Auxetic Behavior of a General Starâ€4 Structure. Physica Status Solidi (B): Basic Research, 2021, 258, 2100158.	1.5	9
4	The Auxetic Behavior of a General Starâ€4 Structure. Physica Status Solidi (B): Basic Research, 2021, 258, .	1.5	1
5	The Push Drill Mechanism as a Novel Method to Create 3D Mechanical Metamaterial Structures. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2070032.	2.4	1
6	Tuning the Mechanical Properties of the Antiâ€Tetrachiral System Using Nonuniform Ligament Thickness. Physica Status Solidi (B): Basic Research, 2020, 257, 2070039.	1.5	2
7	Edge Effects of a Hexagonal Honeycomb on the Poisson's Ratio and Young's Modulus. Physica Status Solidi (B): Basic Research, 2020, 257, 1900511.	1.5	6
8	The Push Drill Mechanism as a Novel Method to Create 3D Mechanical Metamaterial Structures. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000125.	2.4	11
9	Tuning the Mechanical Properties of the Antiâ€Tetrachiral System Using Nonuniform Ligament Thickness. Physica Status Solidi (B): Basic Research, 2020, 257, 1900507.	1.5	8
10	Starchiralsâ€“A novel class of auxetic hierarchal structures. International Journal of Mechanical Sciences, 2020, 179, 105631.	6.7	46
11	A Novel Threeâ€Dimensional Antiâ€Tetrachiral Honeycomb. Physica Status Solidi (B): Basic Research, 2019, 256, 1800473.	1.5	17
12	An integrated approach to the study of heritage sites. Journal of Cultural Heritage, 2019, 37, 1-8.	3.3	5
13	Different Deformation Mechanisms Leading to Auxetic Behavior Exhibited by Missing Rib Square Grid Structures. Physica Status Solidi (B): Basic Research, 2019, 256, 1800186.	1.5	26
14	Investigations of VOCs in and around buildings close to service stations. Atmospheric Environment, 2018, 172, 93-101.	4.1	5
15	An analytical and finite element study on the mechanical properties of irregular hexachiral honeycombs. Smart Materials and Structures, 2018, 27, 105016.	3.5	35
16	Vectorial statistics for the standard deviation of wind direction. Meteorology and Atmospheric Physics, 2017, 129, 495-506.	2.0	3
17	Power series solutions for laminar plumes in a natural environment. Journal of Applied Mechanics and Technical Physics, 2014, 55, 781-792.	0.5	0
18	Series solutions for turbulent plumes evolving in a natural environment. Journal of Engineering Thermophysics, 2014, 23, 236-255.	1.4	1

#	Article	IF	Citations
19	A realistic generic model for antiâ€tetrachiral systems. Physica Status Solidi (B): Basic Research, 2013, 250, 2012-2019.	1.5	85
20	Turbulent plumes evolving in a vertical flow under a mixed convection regime. International Journal of Heat and Mass Transfer, 2012, 55, 1931-1940.	4.8	4
21	On the Algorithms Used to Compute the Standard Deviation of Wind Direction. Journal of Applied Meteorology and Climatology, 2009, 48, 2144-2151.	1.5	9
22	Auxetic behaviour from stretching connected squares. Journal of Materials Science, 2008, 43, 5962-5971.	3.7	55
23	On the properties of auxetic metaâ€tetrachiral structures. Physica Status Solidi (B): Basic Research, 2008, 245, 511-520.	1.5	194
24	On the auxetic properties of rotating rhombi and parallelograms: A preliminary investigation. Physica Status Solidi (B): Basic Research, 2008, 245, 521-529.	1.5	144
25	New measures of wind angular dispersion in three dimensions. , 2008, , .		1
26	N-body gravity and the SchrÃ¶dinger equation. Classical and Quantum Gravity, 2007, 24, 4647-4659.	4.0	9
27	Connected Triangles Exhibiting Negative Poisson's Ratios and Negative Thermal Expansion. Journal of the Physical Society of Japan, 2007, 76, 025001.	1.6	35
28	A system with adjustable positive or negative thermal expansion. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 1585-1596.	2.1	81
29	Comparative analysis of estimators for wind direction standard deviation. Meteorological Applications, 2006, 13, 29.	2.1	17
30	Auxetic Cellular Materials and Structures. , 2005, , 489.		8