## James N Grima-Cornish

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A Novel Mechanical Metamaterial Exhibiting Auxetic Behavior and Negative Compressibility. Materials, 2020, 13, 79.	2.9	31
2	Auxetic Behavior and Other Negative Thermomechanical Properties from Rotating Rigid Units. Physica Status Solidi - Rapid Research Letters, 2022, 16, .	2.4	27
3	Giant Auxetic Behaviour in Engineered Graphene. Annalen Der Physik, 2018, 530, 1700330.	2.4	24
4	The Multidirectional Auxeticity and Negative Linear Compressibility of a 3D Mechanical Metamaterial. Materials, 2020, 13, 2193.	2.9	24
5	On the Structural and Mechanical Properties of Poly(Phenylacetylene) Trussâ€Like Hexagonal Hierarchical Nanonetworks. Physica Status Solidi (B): Basic Research, 2017, 254, 1700190.	1.5	21
6	On the Compressibility Properties of the Wineâ€Rack‣ike Carbon Allotropes and Related Poly(phenylacetylene) Systems. Physica Status Solidi (B): Basic Research, 2019, 256, 1800572.	1.5	20
7	On the Mechanical Properties of Graphyne, Graphdiyne, and Other Poly(Phenylacetylene) Networks. Physica Status Solidi (B): Basic Research, 2017, 254, 1700380.	1.5	18
8	Smart Honeycomb "Mechanical Metamaterials―with Tunable Poisson's Ratios. Physica Status Solidi (B): Basic Research, 2020, 257, 1900707.	1.5	17
9	Extremely Non-Auxetic Behavior of a Typical Auxetic Microstructure Due to Its Material Properties. Materials, 2021, 14, 7837.	2.9	17
10	Negative Linear Compressibility and Auxeticity in Boron Arsenate. Annalen Der Physik, 2020, 532, 1900550.	2.4	14
11	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
12	Shearing Deformations of $\hat{l}^2$ -Cristobalite-Like Boron Arsenate. Symmetry, 2021, 13, 977.	2.2	8
13	On the Behavior of β ristobaliteâ€ŀike Boron Arsenate when Subjected to Uniaxial Loading in Its [001] Direction and the Implications on Its "Negative―Characteristics. Physica Status Solidi (B): Basic Research, 2021, 258, 2000326.	1.5	5
14	Blisters and Calluses from Rowing: Prevalence, Perceptions and Pain Tolerance. Medicina (Lithuania), 2022, 58, 77.	2.0	5
15	On the Design of Multimaterial Honeycombs and Structures with Tâ€Shaped Joints Having Tunable Thermal and Compressibility Properties. Physica Status Solidi (B): Basic Research, 2020, 257, 1900633.	1.5	4
16	Negative Mechanical Materials and Metamaterials: Giant Out-of-Plane Auxeticity from Multi- Dimensional Wine-Rack-like Motifs. MRS Advances, 2020, 5, 717-725.	0.9	4
17	Auxetic-Inspired Honeycomb Macrostructures With Anomalous Tailormade Thermal Expansion Properties Including "Negative―Heat-Shrinking Characteristics. Frontiers in Materials, 2021, 8, . 	2.4	4
18	A DFT-Based Quantitative and Geometric Analysis of the Effect of Pressure on Boron Arsenate. Materials, 2022, 15, 4858.	2.9	4

#	Article	IF	CITATIONS
19	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