

Jakub W Narojczyk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1887918/publications.pdf>

Version: 2024-02-01

29
papers

529
citations

623734

14
h-index

677142

22
g-index

29
all docs

29
docs citations

29
times ranked

376
citing authors

#	ARTICLE	IF	CITATIONS
1	Removing Auxetic Properties in f.c.c. Hard Sphere Crystals by Orthogonal Nanochannels with Hard Spheres of Another Diameter. <i>Materials</i> , 2022, 15, 1134.	2.9	11
2	Cancellation of Auxetic Properties in F.C.C. Hard Sphere Crystals by Hybrid Layer-Channel Nanoinclusions Filled by Hard Spheres of Another Diameter. <i>Materials</i> , 2021, 14, 3008.	2.9	8
3	Wear Resistance Improvement of Cemented Tungsten Carbide Deep-Hole Drills after Ion Implantation. <i>Materials</i> , 2021, 14, 239.	2.9	23
4	Stiffness of Synclastic Wood-Based Auxetic Sandwich Panels. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900749.	1.5	18
5	Poisson's Ratio of the f.c.c. Hard Sphere Crystals with Periodically Stacked (001)-Nanolayers of Hard Spheres of Another Diameter. <i>Materials</i> , 2019, 12, 700.	2.9	19
6	Auxetic Properties of a f.c.c. Crystal of Hard Spheres with an Array of [001]-Nanochannels Filled by Hard Spheres of Another Diameter (<i>Phys. Status Solidi B</i> 1/2019). <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1970012.	1.5	1
7	Auxetic Properties of a f.c.c. Crystal of Hard Spheres with an Array of [001]-Nanochannels Filled by Hard Spheres of Another Diameter. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800611.	1.5	32
8	Pressure-Volume Work for Metastable Liquid and Solid at Zero Pressure. <i>Entropy</i> , 2018, 20, 338.	2.2	0
9	High Partial Auxeticity Induced by Nanochannels in [111]-Direction in a Simple Model with Yukawa Interactions. <i>Materials</i> , 2018, 11, 2550.	2.9	9
10	Ãvy-like movement patterns of metastatic cancer cells revealed in microfabricated systems and implicated in vivo. <i>Nature Communications</i> , 2018, 9, 4539.	12.8	73
11	Selective enhancement of auxeticity through changing a diameter of nanochannels in Yukawa systems. <i>Smart Materials and Structures</i> , 2018, 27, 115021.	3.5	11
12	Ion implantation of the tool's rake face for machining of the Ti-6Al-4V alloy. <i>Journal of Manufacturing Processes</i> , 2018, 34, 274-280.	5.9	19
13	Auxeticity enhancement due to size polydispersity in fcc crystals of hard-core repulsive Yukawa particles. <i>Soft Matter</i> , 2017, 13, 7916-7921.	2.7	15
14	Auxeticity of Yukawa Systems with Nanolayers in the (111) Crystallographic Plane. <i>Materials</i> , 2017, 10, 1338.	2.9	18
15	Influence of nanochannels on Poisson's ratio of degenerate crystal of hard dimers. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 1324-1330.	1.5	17
16	Elastic properties of mono- and polydisperse two-dimensional crystals of hard-core repulsive Yukawa particles. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1508-1513.	1.5	6
17	Semi-Empirical Modelling of Glass Forming Ranges for Y-Co-Si System. <i>Acta Physica Polonica A</i> , 2014, 126, 62-63.	0.5	1
18	Calculation of glass forming ranges in the ternary Y-Cu-Al system and its sub-binaries based on geometric and Miedema's models. <i>Intermetallics</i> , 2012, 26, 72-77.	3.9	21

#	ARTICLE	IF	CITATIONS
19	Auxetic Materials and Related Systems. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 1313-1314.	1.5	14
20	Unusual deformation mechanisms in carbon nanotube heterojunctions (5,5)â€“(10,10) under tensile loading. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 82-87.	1.5	16
21	Self-filtering oscillations in carbon nanotube hetero-junctions. <i>Nanotechnology</i> , 2011, 22, 465501.	2.6	7
22	Elastic properties of degenerate f.c.c. crystal of polydisperse soft dimers at zero temperature. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2026-2032.	3.1	35
23	Elastic properties of the fcc crystals of soft spheres with size dispersion at zero temperature. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 606-613.	1.5	13
24	Elasticity of periodic and aperiodic structures of polydisperse dimers in two dimensions at zero temperature. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2463-2468.	1.5	6
25	Negative Poissonâ€™s ratio behavior in the planar model of asymmetric trimers at zero temperature. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4242-4248.	3.1	32
26	Finite element analysis of auxetic plate deformation. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4475-4480.	3.1	74
27	Elastic properties of two-dimensional soft polydisperse trimers at zero temperature. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 943-954.	1.5	15
28	Elastic properties of two-dimensional soft discs of various diameters at zero temperature. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4292-4298.	3.1	8
29	Partially Auxetic Properties of Faceâ€“Centered Cubic Hardâ€“Sphere Crystals with Nanochannels of Different Sizes, Parallel to [001]â€“Direction and Filled by Other Hard Spheres. <i>Physica Status Solidi (B): Basic Research</i> , 0, , 2200006.	1.5	7