

# Ibolya Zsoldos

## List of Publications by Year in descending order

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17  
papers

234  
citations

933447

10  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

251  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of waste bagasse fiber reinforced epoxy composites: Study of physical, mechanical, and erosion properties. <i>Polymer Composites</i> , 2019, 40, 3777-3786.	4.6	45
2	Geometric construction of carbon nanotube junctions. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2004, 12, 1251-1266.	2.0	27
3	Effect of topological defects on graphene geometry and stability. <i>Nanotechnology, Science and Applications</i> , 2010, 3, 101.	4.6	20
4	Computation of the loading diagram and the tensile strength of carbon nanotube networks. <i>Carbon</i> , 2009, 47, 1327-1334.	10.3	18
5	CT-based tests and finite element simulation for failure analysis of syntactic foams. <i>Engineering Failure Analysis</i> , 2019, 104, 371-378.	4.0	14
6	On the Aboav Weaire law. <i>Journal of Geometry and Physics</i> , 2004, 51, 1-12.	1.4	13
7	Set of carbon nanotube junctions. <i>Diamond and Related Materials</i> , 2005, 14, 763-765.	3.9	13
8	Graphene-based molecular dynamics nanolithography of fullerenes, nanotubes and other carbon structures. <i>Europhysics Letters</i> , 2012, 99, 63001.	2.0	12
9	Molecular dynamics simulation of carbon nanostructures: The D5h C70 fullerene. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 56, 422-426.	2.7	12
10	Computer tomography based reconstruction of metal matrix syntactic foams. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2014, 58, 87-91.	1.4	11
11	Appearance of collectivity in two-dimensional cellular structures. <i>Computational Materials Science</i> , 1999, 15, 441-448.	3.0	9
12	New formations of carbon nanotube junctions. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2007, 15, 739-745.	2.0	9
13	Molecular dynamics simulation of carbon nanostructures: The C <sub>60</sub> buckminsterfullerene. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2616-2619.	1.5	9
14	Topological correlation in amorphous structures. <i>Computational Materials Science</i> , 2001, 20, 28-36.	3.0	6
15	On the topology of 2D polygonal and generalized cell systems. <i>Computational Materials Science</i> , 2004, 29, 119-130.	3.0	6
16	Planar trivalent polygonal networks constructed from carbon nanotube Y-junctions. <i>Journal of Geometry and Physics</i> , 2011, 61, 37-45.	1.4	5
17	Self-organised formation of nanotubes from graphene ribbons. A molecular dynamics study. <i>Materials Research Express</i> , 2016, 3, 105044.	1.6	5