

# Richard Critchley

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/202591/publications.pdf>

Version: 2024-02-01

13  
papers

270  
citations

1307594

7  
h-index

1281871

11  
g-index

14  
all docs

14  
docs citations

14  
times ranked

269  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the manufacture, mechanical properties and potential applications of auxetic foams. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1963-1982.	1.5	166
2	The Preparation of Auxetic Foams by Three-dimensional Printing and Their Characteristics. <i>Advanced Engineering Materials</i> , 2013, 15, 980-985.	3.5	35
3	The effect of breast size and bra type on comfort for UK female police officers wearing body armour. <i>Applied Ergonomics</i> , 2020, 84, 103012.	3.1	12
4	Experimental and numerical study of auxetic sandwich panels on 160 grams of PE4 blast loading. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 3902-3931.	3.5	11
5	Experimental and computation assessment of thermomechanical effects during auxetic foam fabrication. <i>Scientific Reports</i> , 2020, 10, 18301.	3.3	10
6	Fragmentation studies by non-explosive cylinder expansion technique. <i>International Journal of Impact Engineering</i> , 2020, 146, 103714.	5.0	8
7	Ballistic research techniques: visualizing gunshot wounding patterns. <i>International Journal of Legal Medicine</i> , 2020, 134, 1103-1114.	2.2	8
8	Blast mitigation using polymeric 3D printed auxetic re-entrant honeycomb structures: A preliminary study. <i>International Journal of Protective Structures</i> , 2022, 13, 469-486.	2.3	8
9	Experimental fragmentation of pipe bombs with varying case thickness. <i>Forensic Science International</i> , 2020, 306, 110034.	2.2	6
10	The effects of crossbow impacts onto a common automotive vehicle side window—a preliminary study. <i>International Journal of Legal Medicine</i> , 2020, 134, 1395-1401.	2.2	2
11	Ballistic protective properties of material representative of English civil war buff-coats and clothing. <i>International Journal of Legal Medicine</i> , 2020, 134, 1949-1956.	2.2	2
12	The effect of underwired and sports bras on breast shape, key anthropometric dimensions, and body armour comfort. <i>The Police Journal: A Quarterly Review for the Police Forces of the Commonwealth and English-speaking World</i> , 2022, 95, 436-458.	1.7	2
13	Woven Fabrics in Book Conservation: An Investigation into the Properties of Aerolinen and Aerocotton. <i>Studies in Conservation</i> , 2020, 65, 375-387.	1.1	0