

Katarzyna Polak-Krasna

List of Publications by Year in descending order

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11
papers

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1163117

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1372567

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11
all docs

11
docs citations

11
times ranked

288
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical characterisation of polymer of intrinsic microporosity PIM-1 for hydrogen storage applications. <i>Journal of Materials Science</i> , 2017, 52, 3862-3875.	3.7	51
2	Hydrogen storage in polymer-based processable microporous composites. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18752-18761.	10.3	43
3	Nanoporous polymer-based composites for enhanced hydrogen storage. <i>Adsorption</i> , 2019, 25, 889-901.	3.0	24
4	Physical and mechanical degradation behaviour of semi-crystalline PLLA for bioresorbable stent applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 118, 104409.	3.1	22
5	Assessment of the long-term stability of the polymer of intrinsic microporosity PIM-1 for hydrogen storage applications. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 332-337.	7.1	17
6	The denticulate ligament – Tensile characterisation and finite element micro-scale model of the structure stabilising spinal cord. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 91, 10-17.	3.1	14
7	AFM imaging and nanoindentation of polymer of intrinsic microporosity PIM-1. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 23915-23919.	7.1	12
8	An experimental investigation into the physical, thermal and mechanical degradation of a polymeric bioresorbable scaffold. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 125, 104955.	3.1	10
9	Solvent Sorption-Induced Actuation of Composites Based on a Polymer of Intrinsic Microporosity. <i>ACS Applied Polymer Materials</i> , 2021, 3, 920-928.	4.4	8
10	Mechanical characterisation and modelling of electrospun materials for biomedical applications. , 2015, , .		2
11	Parametric Finite Element Model and Mechanical Characterisation of Electrospun Materials for Biomedical Applications. <i>Materials</i> , 2021, 14, 278.	2.9	1