

Dakshitha Weerasinghe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4523918/publications.pdf>

Version: 2024-02-01

15
papers

281
citations

933447

10
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

181
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing a compression moulded thermal insulation panel using postindustrial textile waste. Waste Management, 2018, 79, 356-361.	7.4	62
2	Towards Circular Economy in Fashion: Review of Strategies, Barriers and Enablers. Circular Economy and Sustainability, 2022, 2, 25-45.	5.5	51
3	On the impact response of UHMWPE woven fabrics: Experiments and simulations. International Journal of Mechanical Sciences, 2021, 204, 106574.	6.7	28
4	Evaluation of effectiveness of polymer coatings in reducing blast-induced deformation of steel plates. Defence Technology, 2021, 17, 1895-1904.	4.2	24
5	Incorporation of shear thickening fluid effects into computational modelling of woven fabrics subjected to impact loading: A review. International Journal of Protective Structures, 2020, 11, 340-378.	2.3	20
6	Creating three-dimensional (3D) fiber networks with out-of-plane auxetic behavior over large deformations. Journal of Materials Science, 2017, 52, 2534-2548.	3.7	19
7	Ballistic performance of multi-metal systems. International Journal of Protective Structures, 2020, 11, 379-410.	2.3	17
8	Application of biomimicry for sustainable functionalization of textiles: review of current status and prospectus. Textile Reseach Journal, 2019, 89, 4282-4294.	2.2	16
9	High-velocity projectile impact response of rubber-coated aramid Twaron fabrics. International Journal of Mechanical Sciences, 2022, 229, 107515.	6.7	12
10	Managing post-industrial textile waste: current status and prospects for Sri Lanka. Journal of the Textile Institute, 2021, 112, 1804-1810.	1.9	10
11	Development of a Coated Fabric Armour System of Aramid Fibre and Rubber. Thin-Walled Structures, 2022, 179, 109679.	5.3	8
12	Numerical Modelling of the Rate-sensitive Behaviour of High-performance Fabrics. Journal of Dynamic Behavior of Materials, 2021, 7, 107-126.	1.7	7
13	A Sustainable Transparent Packaging Material from the Arecanut Leaf Sheath. Waste and Biomass Valorization, 2021, 12, 5725-5742.	3.4	5
14	DSP-based techniques for speech training of hearing impaired children. , 0, , .		1
15	Improving flame retardant properties of pigment printed materials. , 2017, , .		1