

Diana Hun

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

190
citations

1163117

8
h-index

1199594

12
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all docs

20
docs citations

20
times ranked

152
citing authors

#	ARTICLE	IF	CITATIONS
1	Hermetically sealed porous-wall hollow microspheres enabled by monolithic glass coatings: Potential for thermal insulation applications. <i>Vacuum</i> , 2022, 195, 110667.	3.5	5
2	Performance evaluation of a dynamic wall integrated with active insulation and thermal energy storage systems. <i>Journal of Energy Storage</i> , 2022, 46, 103815.	8.1	21
3	Model predictive control for active insulation in building envelopes. <i>Energy and Buildings</i> , 2022, 267, 112108.	6.7	13
4	A lightweight thermally insulating and moisture-stable composite made of hollow silica particles. <i>RSC Advances</i> , 2022, 12, 15373-15377.	3.6	5
5	Empower Wall: Active insulation system leveraging additive manufacturing and model predictive control. <i>Energy Conversion and Management</i> , 2022, 266, 115823.	9.2	10
6	Development of high-early-strength fiber-reinforced self-compacting concrete. <i>Construction and Building Materials</i> , 2021, 266, 121051.	7.2	27
7	Autonomous Self-Healing Elastomers with Unprecedented Adhesion Force. <i>Advanced Functional Materials</i> , 2021, 31, 2006298.	14.9	64
8	Molecular dynamics simulations of energy accommodation between gases and polymers for ultra-low thermal conductivity insulation. <i>International Journal of Heat and Mass Transfer</i> , 2021, 164, 120459.	4.8	14
9	Self-Healing Elastomers: Autonomous Self-Healing Elastomers with Unprecedented Adhesion Force (<i>Adv. Funct. Mater.</i> 4/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170025.	14.9	4
10	Low cost and scalable method for modifying surfaces of hollow particles from hydrophilic to hydrophobic. <i>RSC Advances</i> , 2020, 10, 31065-31069.	3.6	2
11	Thermally Anisotropic Composites for Improving the Energy Efficiency of Building Envelopes. <i>Energies</i> , 2019, 12, 3783.	3.1	12
12	Modeling Whole Building Air Leakage and Validation of Simulation Results against Field Measurements. , 2019, , 277-290.		0
13	A Simplified Methodology to Estimate Energy Savings in Commercial Buildings from Improvements in Airtightness. <i>Energies</i> , 2018, 11, 3322.	3.1	10
14	Editorial: Priorities in indoor environmental science and health, as students see them. <i>Indoor Air</i> , 2009, 19, 444-445.	4.3	0