

Judith Vidal

List of Publications by Year in descending order

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13
papers

839
citations

1163117

8
h-index

1474206

9
g-index

16
all docs

16
docs citations

16
times ranked

671
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion of alloys in a chloride molten salt (NaCl-LiCl) for solar thermal technologies. Solar Energy Materials and Solar Cells, 2016, 157, 234-244.	6.2	148
2	Optimizing PCM-integrated walls for potential energy savings in U.S. Buildings. Energy and Buildings, 2020, 226, 110355.	6.7	102
3	Enhancing building energy performance by effectively using phase change material and dynamic insulation in walls. Applied Energy, 2021, 283, 116306.	10.1	88
4	Parametric and sensitivity analysis of a PCM-integrated wall for optimal thermal load modulation in lightweight buildings. Applied Thermal Engineering, 2021, 187, 116568.	6.0	71
5	Corrosion evaluation of alloys and MCrAlX coatings in molten carbonates for thermal solar applications. Solar Energy Materials and Solar Cells, 2016, 157, 517-525.	6.2	54
6	Corrosion resistance of MCrAlX coatings in a molten chloride for thermal storage in concentrating solar power applications. Npj Materials Degradation, 2017, 1, .	5.8	32
7	Thermophysical Properties Experimentally Tested for NaCl-KCl-MgCl ₂ Eutectic Molten Salt as a Next-Generation High-Temperature Heat Transfer Fluids in Concentrated Solar Power Systems. Journal of Solar Energy Engineering, Transactions of the ASME, 2021, 143, .	1.8	32
8	Method To Determine MgO and MgOHCl in Chloride Molten Salts. Analytical Chemistry, 2020, 92, 3598-3604.	6.5	15
9	Dual Phase Change Thermal Diodes with High Rectification for Thermal Management near Room Temperature. Advanced Materials Technologies, 0, , 2101060.	5.8	5
10	Materials research and development needs to enable efficient and electrified buildings. MRS Bulletin, 2021, 46, 1176-1186.	3.5	5
11	(Invited) Corrosion in Concentrating Solar Power Applications. ECS Meeting Abstracts, 2018, , .	0.0	0
12	Electrolyzer Components and Coatings: Methods for Ex-Situ Accelerated Stress Testing. ECS Meeting Abstracts, 2019, , .	0.0	0
13	Novel Functional Thermal Energy Storage Materials for Buildings Applications. , 2021, , .		0