

Silvia Trevisan

List of Publications by Year in descending order

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15
papers

146
citations

1477746

6
h-index

1199166

12
g-index

15
all docs

15
docs citations

15
times ranked

91
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo-economic optimization of an air driven supercritical CO ₂ Brayton power cycle for concentrating solar power plant with packed bed thermal energy storage. <i>Solar Energy</i> , 2020, 211, 1373-1391.	2.9	42
2	Experimental evaluation of an innovative radial-flow high-temperature packed bed thermal energy storage. <i>Applied Energy</i> , 2022, 311, 118672.	5.1	21
3	Coatings utilization to modify the effective properties of high temperature packed bed thermal energy storage. <i>Applied Thermal Engineering</i> , 2021, 185, 116414.	3.0	19
4	Experimental and numerical investigation of a latent heat thermal energy storage unit with ellipsoidal macro-encapsulation. <i>Energy</i> , 2022, 238, 121828.	4.5	19
5	Solar selective reflector materials: Another option for enhancing the efficiency of the high-temperature solar receivers/reactors. <i>Solar Energy Materials and Solar Cells</i> , 2021, 224, 110995.	3.0	12
6	A high-temperature thermal stability and optical property study of inorganic coatings on ceramic particles for potential thermal energy storage applications. <i>Solar Energy Materials and Solar Cells</i> , 2022, 239, 111679.	3.0	10
7	Initial design of a radial-flow high temperature thermal energy storage concept for air-driven CSP systems. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	6
8	Techno-economic analysis of an innovative purely solar driven combined cycle system based on packed bed TES technology. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	3
9	Supercritical CO ₂ Brayton Power Cycle for CSP With Packed Bed TES Integration and Cost Benchmark Evaluation. , 2019, , .		3
10	A study of metallic coatings on ceramic particles for thermal emissivity control and effective thermal conductivity enhancement in packed bed thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2022, 234, 111458.	3.0	3
11	Techno-economic analysis of a solar hybrid combined cycle power plant integrated with a packed bed storage at gas turbine exhaust. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	3
12	Thermodynamic analysis of an indirect supercritical CO ₂ “ air driven concentrated solar power plant with a packed bed thermal energy storage. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	2
13	Laboratory prototype of an innovative radial flow packed bed thermal energy storage. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	2
14	Thermodynamic analysis of a high-temperature multi-layered sensible-latent thermal energy storage. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
15	Preliminary assessment of integration of a packed bed thermal energy storage in a Stirling “ CSP system. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0