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Using facility-level emissions data to estimate the technical potential of alternative thermal sources to meet industrial heat demand

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#	Paper	IF	Citations
17	Heat dispatch centre Symbiosis of heat generation units to reach cost efficient low emission heat supply. <i>Energy</i> , <b>2019</b> , 189, 116155	7.9	0
16	Electrification of Industry: Potential, Challenges and Outlook. <i>Current Sustainable/Renewable Energy Reports</i> , <b>2019</b> , 6, 140-148	2.8	10
15	Solar for industrial process heat: A review of technologies, analysis approaches, and potential applications in the United States. <i>Energy</i> , <b>2020</b> , 206, 118083	7.9	32
14	Iron oxides with gadolinium-doped cerium oxides as active supports for chemical looping hydrogen production. <i>Chemical Engineering Journal</i> , <b>2020</b> , 396, 125153	14.7	18
13	To decarbonize industry, we must decarbonize heat. <i>Joule</i> , <b>2021</b> , 5, 531-550	27.8	27
12	Molecular Solar Thermal Batteries through Combination of Magnetic Nanoparticle Catalysts and Tailored Norbornadiene Photoswitches. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 4993-5002	4.8	8
11	Evaluation of Formate Salt PCMs for Latent Heat Thermal Energy Storage. <i>Energies</i> , <b>2021</b> , 14, 765	3.1	2
10	Prototype of phosphate sludge rotary dryer coupled to a parabolic trough collector solar loop: Integration and experimental analysis. <i>Solar Energy</i> , <b>2021</b> , 216, 365-376	6.8	5
9	Energy Efficiency for the Current Use of Fossil Fuels. <i>Strategies for Sustainability</i> , <b>2022</b> , 149-179	0.8	0
8	State-by-State comparison of combined heat and power to photovoltaic installations at manufacturing facilities with heat and power loads. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 47, 101502	4.7	2
7	Economic solution for low carbon process heat: A horizontal, compact high temperature gas reactor. <i>Applied Energy</i> , <b>2021</b> , 304, 117650	10.7	1
6	Application of a novel heat pump model for estimating economic viability and barriers of heat pumps in dairy applications in the United States. <i>Applied Energy</i> , <b>2022</b> , 310, 118499	10.7	1
5	Simulating a solar parabolic trough collector plant used for industrial process heat using an optimized operating scheme that utilizes flexible heat integration. <i>Solar Energy</i> , <b>2022</b> , 236, 756-771	6.8	1
4	Renewable thermal hybridization framework for industrial process heat applications. <i>AIP Conference Proceedings</i> , <b>2022</b> ,	0	1
3	The pursuit of net-positive sustainability for industrial decarbonization with hybrid energy systems. <i>Journal of Cleaner Production</i> , <b>2022</b> , 362, 132349	10.3	0
2	A techno-economic analysis of distributed energy resources versus wholesale electricity purchases for fueling decarbonized heavy duty vehicles. <i>Applied Energy</i> , <b>2022</b> , 322, 119460	10.7	1
1	Levelized Cost of Heat of the CSPth Hybrid Central Tower Technology. <b>2022</b> , 15, 8528		0

