

Oliver Opel

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

447
citations

933447

10
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal energy storage for space heating and domestic hot water in individual residential buildings. , 2021, , 567-594.		5
2	Growth of Iron-Oxidizing Bacteria <i>Gallionella ferruginea</i> and <i>Leptothrix cholodnii</i> in Oligotrophic Environments: Ca, Mg, and C as Limiting Factors and <i>G. ferruginea</i> Necromass as C-Source. <i>Geomicrobiology Journal</i> , 2020, 37, 190-199.	2.0	8
3	Risk analysis of High-Temperature Aquifer Thermal Energy Storage (HT-ATES). <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110153.	16.4	28
4	Corrosion in Heating and Cooling Water Circuits - A Field Study. <i>Energy Procedia</i> , 2018, 155, 359-366.	1.8	2
5	Thermodynamic and kinetic study of CaCl ₂ -CH ₃ OH adducts for solid sorption refrigeration by TGA/DSC. <i>Applied Energy</i> , 2018, 230, 1255-1278.	10.1	7
6	Micro-scale Thermodynamic and Kinetic Analysis of a Calcium Chloride Methanol System for Process Cooling. <i>Energy Procedia</i> , 2017, 105, 4363-4369.	1.8	1
7	Interdisciplinary Review of Medium-deep Aquifer Thermal Energy Storage in North Germany. <i>Energy Procedia</i> , 2017, 135, 327-336.	1.8	22
8	Thermochemical heat storage materials – Performance of mixed salt hydrates. <i>Solar Energy</i> , 2016, 136, 571-589.	6.1	75
9	Lab-scale experiment of a closed thermochemical heat storage system including honeycomb heat exchanger. <i>Energy</i> , 2016, 114, 225-238.	8.8	80
10	Cascade thermochemical storage with internal condensation heat recovery for better energy and exergy efficiencies. <i>Applied Energy</i> , 2016, 181, 562-574.	10.1	31
11	Sorption and thermal characterization of composite materials based on chlorides for thermal energy storage. <i>Applied Energy</i> , 2016, 162, 1462-1472.	10.1	97
12	Direct and Mn-Controlled Indirect Iron Oxidation by <i>Leptothrix discophora</i> SS-1 and <i>Leptothrix cholodnii</i> . <i>Geomicrobiology Journal</i> , 2015, 32, 934-943.	2.0	9
13	Performance analysis of a thermochemical based heat storage as an addition to cogeneration systems. <i>Energy Conversion and Management</i> , 2015, 106, 1327-1344.	9.2	46
14	Interdependencies between Biotic and Abiotic Ferrous Iron Oxidation and Influence of pH, Oxygen and Ferric Iron Deposits. <i>Geomicrobiology Journal</i> , 2014, 31, 461-472.	2.0	16
15	Monitoring of microbially mediated corrosion and scaling processes using redox potential measurements. <i>Bioelectrochemistry</i> , 2014, 97, 137-144.	4.6	10
16	Inside-sediment partitioning of PAH, PCB and organochlorine compounds and inferences on sampling and normalization methods. <i>Environmental Pollution</i> , 2011, 159, 924-931.	7.5	10