

Oliver Opel

List of Publications by Year in descending order

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16
papers

447
citations

933447

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h-index

996975

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g-index

16
all docs

16
docs citations

16
times ranked

396
citing authors

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