

Francisco J Collado

List of Publications by Year in descending order

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28
papers

948
citations

758635

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500791

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28
all docs

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docs citations

28
times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	A two-parameter aiming strategy to reduce and flatten the flux map in solar power tower plants. <i>Solar Energy</i> , 2019, 188, 185-189.	2.9	20
2	Quick design of regular heliostat fields for commercial solar tower power plants. <i>Energy</i> , 2019, 178, 115-125.	4.5	36
3	Hydrodynamics model for the dilute zone of circulating fluidized beds. <i>Powder Technology</i> , 2018, 328, 108-113.	2.1	8
4	Scaling campo code to commercial solar tower plants. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4
5	Fast and reliable flux map on cylindrical receivers. <i>Solar Energy</i> , 2018, 169, 556-564.	2.9	20
6	Improved heliostat field design for solar tower plants. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	5
7	Two-stages optimised design of the collector field of solar power tower plants. <i>Solar Energy</i> , 2016, 135, 884-896.	2.9	46
8	New one-dimensional hydrodynamics of circulating fluidized bed risers. <i>Granular Matter</i> , 2016, 18, 1.	1.1	9
9	Hyperbolic conservation laws for continuous two-phase flow without mass exchange. <i>Computers and Mathematics With Applications</i> , 2014, 67, 1622-1630.	1.4	5
10	A review of optimized design layouts for solar power tower plants with campo code. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 20, 142-154.	8.2	169
11	Campo: Generation of regular heliostat fields. <i>Renewable Energy</i> , 2012, 46, 49-59.	4.3	149
12	One-point fitting of the flux density produced by a heliostat. <i>Solar Energy</i> , 2010, 84, 673-684.	2.9	97
13	Preliminary design of surrounding heliostat fields. <i>Renewable Energy</i> , 2009, 34, 1359-1363.	4.3	80
14	Quick evaluation of the annual heliostat field efficiency. <i>Solar Energy</i> , 2008, 82, 379-384.	2.9	70
15	Void fraction in horizontal bulk flow boiling at high flow qualities. <i>Energy Conversion and Management</i> , 2008, 49, 644-651.	4.4	1
16	Reynolds transport theorem for a two-phase flow. <i>Applied Physics Letters</i> , 2007, 90, 024101.	1.5	5
17	A new heat balance for flow boiling. <i>AIChE Journal</i> , 2007, 53, 2123-2130.	1.8	3
18	Changes of enthalpy slope in subcooled flow boiling. <i>Heat and Mass Transfer</i> , 2006, 42, 437-448.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Thermodynamics of Void Fraction in Saturated Flow Boiling. Journal of Heat Transfer, 2006, 128, 611-615.	1.2	9
20	The law of stable equilibrium and the entropy-based boiling curve for flow boiling. Energy, 2005, 30, 807-819.	4.5	11
21	Comparison of in-furnace dry sorbent injection full-scale tests with laboratory-scale sulfation correlations. Environmental Progress, 2003, 22, 189-198.	0.8	3
22	Thermodynamics of Flow Boiling Heat Transfer. Journal of Non-Equilibrium Thermodynamics, 2003, 28, .	2.4	3
23	Thermodynamics of gas-solid flow. AIChE Journal, 2002, 48, 1100-1108.	1.8	2
24	Critical heat flux thermodynamics. Fusion Engineering and Design, 2002, 61-62, 165-170.	1.0	2
25	The entropy balance for boiling flow. Fusion Engineering and Design, 2001, 56-57, 199-203.	1.0	12
26	New considerations on the mass and energy balances in one-dimensional two-phase flow at steady state. Powder Technology, 1997, 92, 195-204.	2.1	4
27	Calculation of the annual thermal energy supplied by a defined heliostat field. Solar Energy, 1989, 42, 149-165.	2.9	77
28	An analytic function for the flux density due to sunlight reflected from a heliostat. Solar Energy, 1986, 37, 215-234.	2.9	94