

David J Chato

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34
papers

309
citations

11
h-index

15
g-index

37
ext. papers

381
ext. citations

2.2
avg, IF

3.12
L-index

#	Paper	IF	Citations
34	Screen channel LAD bubble point tests in liquid hydrogen. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 853-861	6.7	25
33	Screen Channel Liquid Acquisition Devices for Cryogenic Propellants 2002 ,		19
32	A steady state pressure drop model for screen channel liquid acquisition devices. <i>Cryogenics</i> , 2014 , 64, 260-271	1.8	18
31	Screen channel liquid acquisition device outflow tests in liquid hydrogen. <i>Cryogenics</i> , 2014 , 64, 295-306	1.8	18
30	Pulsed thrust propellant reorientation - Concept and modeling. <i>Journal of Propulsion and Power</i> , 1992 , 8, 770-777	1.8	17
29	Liquid Motion Experiment flight test results 1998 ,		16
28	Modeling of impulsive propellant reorientation. <i>Journal of Propulsion and Power</i> , 1991 , 7, 938-945	1.8	16
27	Ground testing of the nonvented fill method of orbital propellant transfer - Results of initial test series 1991 ,		15
26	Mastering Cryogenic Propellants. <i>Journal of Aerospace Engineering</i> , 2013 , 26, 343-351	1.4	14
25	Vented Tank Resupply Experiment - Flight test results 1997 ,		14
24	Vented Tank Resupply Experiment: Flight Test Results. <i>Journal of Spacecraft and Rockets</i> , 2006 , 43, 1124-1130	1.5	12
23	Cryogenic fluid transfer for exploration. <i>Cryogenics</i> , 2008 , 48, 206-209	1.8	10
22	Comparing the results of an analytical model of the no-vent fill process with no-vent fill test results for a 4.96 cu m (175 cu ft) tank 1992 ,		10
21	The role of flight experiments in the development of cryogenic fluid management technologies. <i>Cryogenics</i> , 2006 , 46, 82-88	1.8	9
20	Technologies for refueling spacecraft on-orbit 2000 ,		9
19	Ground testing for the no-vent fill of cryogenic tanks - Results of tests for a 71 cubic foot tank 1993 ,		9
18	Review and test of chilldown methods for space-based cryogenic tanks 1991 ,		9

17	Warm Pressurant Effects on the Bubble Point for Cryogenic Liquid Acquisition Devices. <i>Journal of Thermophysics and Heat Transfer</i> , 2015 , 29, 297-305	1.3	8
16	POROUS SCREEN APPLIED IN LIQUID ACQUISITION DEVICE CHANNEL AND CFD SIMULATION OF FLOW IN THE CHANNEL. <i>Journal of Porous Media</i> , 2012 , 15, 429-437	2.9	8
15	Models for liquid impact onboard Sloshtat FLEVO 2000 ,		8
14	On-orbit cryogenic fluid transfer research at NASA Lewis Research Center. <i>Cryogenics</i> , 1992 , 32, 199-204	1.8	8
13	Cryogenic transfer options for exploration missions 1991 ,		7
12	Low Gravity Issues of Deep Space Refueling 2005 ,		5
11	Feasibility of Scavenging Propellants from Lander Descent Stage to Supply Fuel Cells and Life Support 2009 ,		4
10	Cryogenic Technology Development for Exploration Missions 2007 ,		4
9	Evaluation of supercritical cryogen storage and transfer systems for future NASA missions. <i>Journal of Propulsion and Power</i> , 1992 , 8, 332-338	1.8	3
8	Modeling of impulsive propellant reorientation 1989 ,		3
7	Inverted Outflow Ground Testing of Cryogenic Propellant Liquid Acquisition Devices 2014 ,		2
6	Flight Development for Cryogenic Fluid Management in Support of Exploration Missions 2006 ,		2
5	Approaches to Validation of Models for Low Gravity Fluid Behavior 2004 ,		2
4	Design and Operation of a Calorimeter for Advanced Multilayer Insulation Testing 2016 ,		2
3	Warm Pressurant Gas Effects on the Static Bubble Point Pressure for Cryogenic LADs 2014 ,		1
2	Phase field modeling of liquid jets in low gravity. <i>Journal of Computational Physics</i> , 2009 , 228, 1521-1540	4.1	1
1	Planned axial reorientation investigation on Sloshtat 2000 ,		1