

# David J Chato

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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	Design and Operation of a Calorimeter for Advanced Multilayer Insulation Testing <b>2016</b> ,		2
33	Warm Pressurant Effects on the Bubble Point for Cryogenic Liquid Acquisition Devices. <i>Journal of Thermophysics and Heat Transfer</i> , <b>2015</b> , 29, 297-305	1.3	8
32	A steady state pressure drop model for screen channel liquid acquisition devices. <i>Cryogenics</i> , <b>2014</b> , 64, 260-271	1.8	18
31	Screen channel LAD bubble point tests in liquid hydrogen. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 853-861	6.7	25
30	Screen channel liquid acquisition device outflow tests in liquid hydrogen. <i>Cryogenics</i> , <b>2014</b> , 64, 295-306	1.8	18
29	Warm Pressurant Gas Effects on the Static Bubble Point Pressure for Cryogenic LADs <b>2014</b> ,		1
28	Inverted Outflow Ground Testing of Cryogenic Propellant Liquid Acquisition Devices <b>2014</b> ,		2
27	Mastering Cryogenic Propellants. <i>Journal of Aerospace Engineering</i> , <b>2013</b> , 26, 343-351	1.4	14
26	POROUS SCREEN APPLIED IN LIQUID ACQUISITION DEVICE CHANNEL AND CFD SIMULATION OF FLOW IN THE CHANNEL. <i>Journal of Porous Media</i> , <b>2012</b> , 15, 429-437	2.9	8
25	Phase field modeling of liquid jets in low gravity. <i>Journal of Computational Physics</i> , <b>2009</b> , 228, 1521-1540	4.1	1
24	Feasibility of Scavenging Propellants from Lander Descent Stage to Supply Fuel Cells and Life Support <b>2009</b> ,		4
23	Cryogenic fluid transfer for exploration. <i>Cryogenics</i> , <b>2008</b> , 48, 206-209	1.8	10
22	Cryogenic Technology Development for Exploration Missions <b>2007</b> ,		4
21	Vented Tank Resupply Experiment: Flight Test Results. <i>Journal of Spacecraft and Rockets</i> , <b>2006</b> , 43, 1124-1130	1.130	12
20	Flight Development for Cryogenic Fluid Management in Support of Exploration Missions <b>2006</b> ,		2
19	The role of flight experiments in the development of cryogenic fluid management technologies. <i>Cryogenics</i> , <b>2006</b> , 46, 82-88	1.8	9
18	Low Gravity Issues of Deep Space Refueling <b>2005</b> ,		5

17	Approaches to Validation of Models for Low Gravity Fluid Behavior <b>2004</b> ,		2
16	Screen Channel Liquid Acquisition Devices for Cryogenic Propellants <b>2002</b> ,		19
15	Models for liquid impact onboard Sloshsat FLEVO <b>2000</b> ,		8
14	Technologies for refueling spacecraft on-orbit <b>2000</b> ,		9
13	Planned axial reorientation investigation on Sloshsat <b>2000</b> ,		1
12	Liquid Motion Experiment flight test results <b>1998</b> ,		16
11	Vented Tank Resupply Experiment - Flight test results <b>1997</b> ,		14
10	Ground testing for the no-vent fill of cryogenic tanks - Results of tests for a 71 cubic foot tank <b>1993</b> ,		9
9	Evaluation of supercritical cryogen storage and transfer systems for future NASA missions. <i>Journal of Propulsion and Power</i> , <b>1992</b> , 8, 332-338	1.8	3
8	Pulsed thrust propellant reorientation - Concept and modeling. <i>Journal of Propulsion and Power</i> , <b>1992</b> , 8, 770-777	1.8	17
7	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 <b>1992</b> ,		10
6	On-orbit cryogenic fluid transfer research at NASA Lewis Research Center. <i>Cryogenics</i> , <b>1992</b> , 32, 199-204	1.8	8
5	Cryogenic transfer options for exploration missions <b>1991</b> ,		7
4	Modeling of impulsive propellant reorientation. <i>Journal of Propulsion and Power</i> , <b>1991</b> , 7, 938-945	1.8	16
3	Review and test of chilldown methods for space-based cryogenic tanks <b>1991</b> ,		9
2	Ground testing of the nonvented fill method of orbital propellant transfer - Results of initial test series <b>1991</b> ,		15
1	Modeling of impulsive propellant reorientation <b>1989</b> ,		3