

Jean-Paul Davis

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.

17
papers

978
citations

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h-index

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g-index

17
ext. papers

1,117
ext. citations

4.5
avg, IF

3.72
L-index

#	Paper	IF	Citations
17	Pulsed-power-driven high energy density physics and inertial confinement fusion researcha). <i>Physics of Plasmas</i> , 2005 , 12, 055503	2.1	248
16	Magnetically accelerated, ultrahigh velocity flyer plates for shock wave experiments. <i>Journal of Applied Physics</i> , 2005 , 98, 073530	2.5	103
15	Magnetically driven isentropic compression to multimegabar pressures using shaped current pulses on the Z accelerator). <i>Physics of Plasmas</i> , 2005 , 12, 056310	2.1	86
14	Beryllium liner implosion experiments on the Z accelerator in preparation for magnetized liner inertial fusiona). <i>Physics of Plasmas</i> , 2013 , 20, 056309	2.1	85
13	Magnetically driven hyper-velocity launch capability at the Sandia Z accelerator. <i>International Journal of Impact Engineering</i> , 2011 , 38, 480-485	4	85
12	Experimental measurement of the principal isentrope for aluminum 6061-T6 to 240GPa. <i>Journal of Applied Physics</i> , 2006 , 99, 103512	2.5	76
11	Review of pulsed power-driven high energy density physics research on Z at Sandia. <i>Physics of Plasmas</i> , 2020 , 27, 070501	2.1	65
10	Analysis of shockless dynamic compression data on solids to multi-megabar pressures: Application to tantalum. <i>Journal of Applied Physics</i> , 2014 , 116, 204903	2.5	39
9	Effect of initial properties on the flow strength of aluminum during quasi-isentropic compression. <i>Journal of Applied Physics</i> , 2008 , 103, 083514	2.5	33
8	Dynamic compression of copper to over 450 GPa: A high-pressure standard. <i>Physical Review B</i> , 2016 , 93,	3.3	32
7	Mechanical and optical response of [100] lithium fluoride to multi-megabar dynamic pressures. <i>Journal of Applied Physics</i> , 2016 , 120, 165901	2.5	27
6	Direct measurement of the inertial confinement time in a magnetically driven implosion. <i>Physics of Plasmas</i> , 2017 , 24, 042708	2.1	21
5	Shock-ramp compression: Ramp compression of shock-melted tin. <i>Applied Physics Letters</i> , 2013 , 102, 244104	3.4	20
4	Measurement of Body-Centered-Cubic Aluminum at 475 GPa. <i>Physical Review Letters</i> , 2017 , 119, 175702	7.4	19
3	Establishing gold and platinum standards to 1 terapascal using shockless compression. <i>Science</i> , 2021 , 372, 1063-1068	33.3	18
2	Mechanical response of lithium fluoride under off-principal dynamic shock-ramp loading. <i>Journal of Applied Physics</i> , 2016 , 120, 165902	2.5	12
1	X-ray diffraction of ramp-compressed aluminum to 475 GPa. <i>Physics of Plasmas</i> , 2018 , 25, 082709	2.1	9

