Jean-Paul Davis

List of Publications by Year in Descending Order

17 papers	978 citations	15 h-index	17 g-index
17 ext. papers	1,117 ext. citations	4.5 avg, IF	3.72 L-index

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