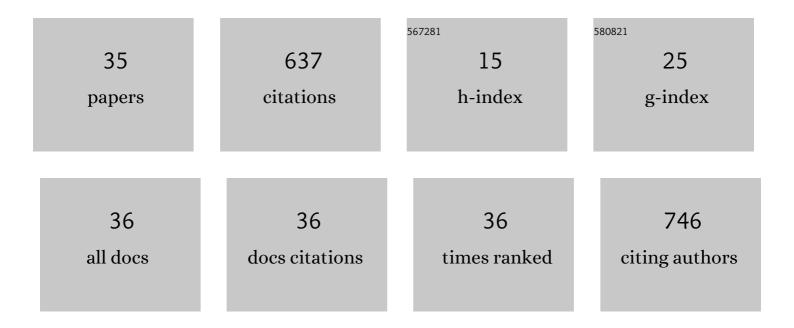
## **B** Van Compernolle

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Sudden collapse of a pressure profile generated by off-axis heating in a linear magnetized plasma. Physics of Plasmas, 2022, 29, 042104.	1.9	1
2	Ponderomotive force driven density modifications parallel to B0 on the LAPD. Physics of Plasmas, 2022, 29, 042508.	1.9	5
3	Overview of plasma wave studies using the Basic Plasma Science Facility1. , 2021, , .		0
4	Stimulated excitation of thermal diffusion waves in a magnetized plasma pressure filament. Physics of Plasmas, 2021, 28, 092112.	1.9	1
5	Measurement and modeling of the radio frequency sheath impedance in a large magnetized plasma. Physics of Plasmas, 2020, 27, 072506.	1.9	6
6	Plasma flows generated by an annular thermionic cathode in a large magnetized plasma. Physics of Plasmas, 2019, 26, 022105.	1.9	13
7	Drift-Alfvén fluctuations and transport in multiple interacting magnetized electron temperature filaments. Journal of Plasma Physics, 2019, 85, .	2.1	4
8	Modifications produced on a large magnetized plasma column by a floating end-plate that is partially emissive: Experiment and theory. Physics of Plasmas, 2019, 26, 122102.	1.9	2
9	Observations of a field-aligned ion/ion-beam instability in a magnetized laboratory plasma. Physics of Plasmas, 2018, 25, .	1.9	19
10	Nonlocal Ohms Law, Plasma Resistivity, and Reconnection During Collisions of Magnetic Flux Ropes. Astrophysical Journal, 2018, 853, 33.	4.5	12
11	Collisionless momentum transfer in space and astrophysical explosions. Nature Physics, 2017, 13, 573-577.	16.7	26
12	Laboratory study of collisionless coupling between explosive debris plasma and magnetized ambient plasma. Physics of Plasmas, 2017, 24, .	1.9	7
13	Non-local Ohm's law during collisions of magnetic flux ropes. Physics of Plasmas, 2017, 24, .	1.9	6
14	Experimental Observation of Convective Cell Formation due to a Fast Wave Antenna in the Large Plasma Device. Physical Review Letters, 2017, 119, 205002.	7.8	20
15	Laboratory simulation of magnetospheric chorus wave generation. Plasma Physics and Controlled Fusion, 2017, 59, 014016.	2.1	20
16	Avalanches driven by pressure gradients in a magnetized plasma. Physics of Plasmas, 2017, 24, .	1.9	14
17	Generation of shear Alfvén waves by repetitive electron heating. Journal of Geophysical Research: Space Physics, 2016, 121, 567-577.	2.4	2
18	The upgraded Large Plasma Device, a machine for studying frontier basic plasma physics. Review of Scientific Instruments, 2016, 87, 025105.	1.3	112

**B VAN COMPERNOLLE** 

#	Article	IF	CITATIONS
19	Pulsating Magnetic Reconnection Driven by Three-Dimensional Flux-Rope Interactions. Physical Review Letters, 2016, 116, 235101.	7.8	31
20	Resonant excitation of whistler waves by a helical electron beam. Geophysical Research Letters, 2016, 43, 2413-2421.	4.0	35
21	Excitation of Chirping Whistler Waves in a Laboratory Plasma. Physical Review Letters, 2015, 114, 245002.	7.8	51
22	Three-dimensional gyrokinetic simulation of the relaxation of a magnetized temperature filament. Physics of Plasmas, 2015, 22, .	1.9	3
23	Electron beam generated whistler emissions in a laboratory plasma. AIP Conference Proceedings, 2015,	0.4	0
24	Excitation of shear Alfvén waves by a spiraling ion beam in a large magnetoplasma. Physical Review E, 2015, 91, 013109.	2.1	5
25	Laboratory study of avalanches in magnetized plasmas. Physical Review E, 2015, 91, 031102.	2.1	13
26	Laser-driven, magnetized quasi-perpendicular collisionless shocks on the Large Plasma Device. Physics of Plasmas, 2014, 21, .	1.9	22
27	Direct Detection of Resonant Electron Pitch Angle Scattering by Whistler Waves in a Laboratory Plasma. Physical Review Letters, 2014, 112, 145006.	7.8	22
28	Morphology and dynamics of three interacting kink-unstable flux ropes in a laboratory magnetoplasma. Physics of Plasmas, 2012, 19, 102102.	1.9	20
29	THREE-DIMENSIONAL RECONNECTION INVOLVING MAGNETIC FLUX ROPES. Astrophysical Journal, 2012, 753, 131.	4.5	39
30	The many faces of shear Alfvén waves. Physics of Plasmas, 2011, 18, 055501.	1.9	55
31	Wave and transport studies utilizing dense plasma filaments generated with a lanthanum hexaboride cathode. Physics of Plasmas, 2011, 18, .	1.9	21
32	Magnetic field line reconnection in the current systems of flux ropes and Alfvén waves. Physica Scripta, 2010, T142, 014032.	2.5	13
33	A scalable multipass laser cavity based on injection by frequency conversion for noncollective Thomson scattering. Review of Scientific Instruments, 2010, 81, 10D518.	1.3	6
34	Generation of suprathermal electrons and Alfvén waves by a high power pulse at the electron plasma frequency. Physics of Plasmas, 2006, 13, 092112.	1.9	17
35	Generation of Alfvén waves by high power pulse at the electron plasma frequency. Geophysical Research Letters, 2005, 32, .	4.0	8