Kevin M Schoeffler

List of Publications by Year
in descending order

15	503	1040056 9	1058476 14
papers	citations	h-index	g-index

15	15	15	724
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formation of secondary islands during magnetic reconnection. Geophysical Research Letters, 2006, 33, .	4.0	221
2	IS THE MAGNETIC FIELD IN THE HELIOSHEATH LAMINAR OR A TURBULENT SEA OF BUBBLES?. Astrophysical Journal, 2011, 734, 71.	4.5	71
3	Magnetic-Field Generation and Amplification in an Expanding Plasma. Physical Review Letters, 2014, 112, 175001.	7.8	40
4	Magnetic turbulence in a table-top laser-plasma relevant to astrophysical scenarios. Nature Communications, 2017, 8, 15970.	12.8	40
5	THE EFFECTS OF PLASMA BETA AND ANISOTROPY INSTABILITIES ON THE DYNAMICS OF RECONNECTING MAGNETIC FIELDS IN THE HELIOSHEATH. Astrophysical Journal, 2011, 743, 70.	4.5	38
6	The generation of magnetic fields by the Biermann battery and the interplay with the Weibel instability. Physics of Plasmas, 2016, 23, .	1.9	29
7	Bright Gamma-Ray Flares Powered by Magnetic Reconnection in QED-strength Magnetic Fields. Astrophysical Journal, 2019, 870, 49.	4.5	19
8	THE ROLE OF PRESSURE ANISOTROPY ON PARTICLE ACCELERATION DURING MAGNETIC RECONNECTION. Astrophysical Journal, 2013, 764, 126.	4.5	15
9	General kinetic solution for the Biermann battery with an associated pressure anisotropy generation. Plasma Physics and Controlled Fusion, 2018, 60, 014048.	2.1	9
10	SCALING OF THE GROWTH RATE OF MAGNETIC ISLANDS IN THE HELIOSHEATH. Astrophysical Journal Letters, 2012, 750, L30.	8.3	7
11	Effects of collisions on the generation and suppression of temperature anisotropies and the Weibel instability. Physical Review Research, 2020, 2, .	3.6	6
12	Fully kinetic Biermann battery and associated generation of pressure anisotropy. Physical Review E, 2018, 97, 033204.	2.1	5
13	High-order harmonic generation in an electron-positron-ion plasma. Physical Review E, 2021, 103, 013206.	2.1	2
14	Interaction between electrostatic collisionless shocks generates strong magnetic fields. New Journal of Physics, 2022, 24, 063016.	2.9	1
15	Magnetized current filaments as a source of circularly polarized light. Journal of Plasma Physics, 2021, 87, .	2.1	0