

Kevin M Schoeffler

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

503
citations

1040056

9
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

724
citing authors

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