

Ramy Doron

List of Publications by Year in descending order

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155
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Generated Plasma Rotation in a Z-Pinch Implosion with Preembedded Axial Magnetic Field. Physical Review Letters, 2022, 128, 015001.	7.8	10
2	Observation of Self-Generated Plasma Rotation and its Effects in A Z-Pinch With Preembedded Axial Magnetic Field. , 2022, , .		0
3	Effects of a Preembedded Axial Magnetic Field on the Current Distribution in a Z -Pinch Implosion. Physical Review Letters, 2019, 122, 045001.	7.8	29
4	Shielding of the azimuthal magnetic field by the anode plasma in a relativistic self-magnetic-pinch diode. Physics of Plasmas, 2018, 25, .	1.9	4
5	Zeeman spectroscopy as a method for determining the magnetic field distribution in self-magnetic-pinch diodes (invited). Review of Scientific Instruments, 2018, 89, 10D123.	1.3	4
6	The structure of a magnetic-field front propagating non-diffusively in low-resistivity multi-species plasma. Physics of Plasmas, 2016, 23, .	1.9	5
7	Electron density evolution during a fast, non-diffusive propagation of a magnetic field in a multi-ion-species plasma. Physics of Plasmas, 2016, 23, .	1.9	5
8	Determination of magnetic fields based on the Zeeman effect in regimes inaccessible by Zeeman-splitting spectroscopy. High Energy Density Physics, 2014, 10, 56-60.	1.5	15
9	Mitigation of Instabilities in a Z-Pinch Plasma by a Preembedded Axial Magnetic Field. IEEE Transactions on Plasma Science, 2014, 42, 2524-2525.	1.3	70
10	A high resolution study of the penetration of a magnetic field into a low-resistivity multi-ion-species plasma. , 2012, , .		0
11	Beyond Zeeman spectroscopy: Magnetic-field diagnostics with Stark-dominated line shapes. Physics of Plasmas, 2011, 18, .	1.9	18
12	High-electron-temperature diagnostics of transient ionizing plasma using near-uv transitions. Physical Review E, 2008, 78, 036410.	2.1	4
13	Magnetic field propagation in a two ion species planar plasma opening switch. Physics of Plasmas, 2007, 14, 053504.	1.9	10
14	Evolution of the Electron Energy Distribution in Nearly Collisionless Plasma Under Pulsed Magnetic Field. , 2007, , .		0
15	Electron energy distribution across a magnetic field front propagating through plasma. , 2006, , .		0
16	Plasma dynamics in pulsed strong magnetic fields. Physics of Plasmas, 2004, 11, 2411-2418.	1.9	20
17	Properties of relatively-dilute plasmas in pulsed-power systems obtained from high-accuracy laser spectroscopy. , 0, , .		2
18	The role of the plasma composition in the magnetic field evolution in plasma opening switches. , 0, , .		0