

Mark Bowden

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

345
citations

1040056

9
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

245
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostics of low-density glow discharge plasmas using Thomson scattering. Plasma Physics and Controlled Fusion, 1998, 40, 1221-1239.	2.1	92
2	Measurements of electron temperature, electron density, and neutral density in a radio-frequency inductively coupled plasma. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1996, 14, 144-151.	2.1	83
3	Comparison of electron property measurements in an inductively coupled plasma made by Langmuir probe and laser Thomson scattering techniques. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 493-499.	2.1	32
4	Comparison of Langmuir probe and laser Thomson scattering for plasma density and electron temperature measurements in HiPIMS plasma. Physics of Plasmas, 2019, 26, .	1.9	25
5	Measurements of sheath electric fields in a high pressure helium radio frequency discharge. Applied Physics Letters, 1995, 66, 1059-1061.	3.3	23
6	Measurements of the cathode sheath in a magnetron sputtering discharge using laser induced fluorescence. Journal of Applied Physics, 1993, 73, 3664-3667.	2.5	20
7	Comparison of Langmuir probe and laser Thomson scattering for electron property measurements in magnetron discharges. Physics of Plasmas, 2019, 26, 073515.	1.9	15
8	Laser diagnostics of edge plasmas and laser diagnostics of plasmas for industrial applications (invited). Review of Scientific Instruments, 1992, 63, 4913-4919.	1.3	14
9	Study of the effect of a probe on the plasma in the source region of an electron cyclotron resonance discharge. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1993, 11, 2893-2896.	2.1	9
10	Low temperature Thomson scattering on MAST-U. Review of Scientific Instruments, 2021, 92, 043545.	1.3	9
11	Diagnosing asymmetric bipolar HiPIMS discharges using laser Thomson scattering. Plasma Sources Science and Technology, 2021, 30, 105019.	3.1	9
12	Influence of cathode grid geometry upon mode structure of a transparent cathode discharge. Physics of Plasmas, 2020, 27, .	1.9	8
13	Mode Structure of a Transparent Cathode Discharge. IEEE Transactions on Plasma Science, 2019, 47, 3124-3133.	1.3	5
14	Optical emission from a $\tilde{\nu}$ -beam mode™ transparent cathode glow discharge. Plasma Sources Science and Technology, 2021, 30, 075010.	3.1	1
15	First Divertor Thomson Scattering Measurements on Mast-U. , 2022, , .		0