

Noureddine Oudini

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

292
citations

933447

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888059

17
g-index

26
all docs

26
docs citations

26
times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma transport across magnetic field lines in low-temperature plasma sources. Plasma Physics and Controlled Fusion, 2011, 53, 124032.	2.1	48
2	The PEGASES Gridded Ion-Ion Thruster Performance and Predictions. IEEE Transactions on Plasma Science, 2015, 43, 321-326.	1.3	43
3	Particle-in-cell simulation of an electronegative plasma under direct current bias studied in a large range of electronegativity. Physics of Plasmas, 2013, 20, 043501.	1.9	32
4	Physics and modeling of an end-Hall (gridless) ion source. Journal of Applied Physics, 2011, 109, .	2.5	24
5	Numerical experiment to estimate the validity of negative ion diagnostic using photo-detachment combined with Langmuir probing. Physics of Plasmas, 2015, 22, .	1.9	19
6	Numerical simulations used for a validity check on the laser induced photo-detachment diagnostic method in electronegative plasmas. Physics of Plasmas, 2014, 21, .	1.9	15
7	Measurement of electronegativity at different laser wavelengths: accuracy of Langmuir probe assisted laser photo-detachment. Plasma Sources Science and Technology, 2016, 25, 04LT01.	3.1	14
8	Near-field plume properties of an ion beam formed by alternating extraction and acceleration of oppositely charged ions. Plasma Sources Science and Technology, 2016, 25, 055013.	3.1	13
9	Oxygen flow rate effect on copper oxide thin films deposited by radio frequency magnetron sputtering. Thin Solid Films, 2022, 741, 139013.	1.8	13
10	Photo-detachment signal analysis to accurately determine electronegativity, electron temperature, and charged species density. Applied Physics Letters, 2016, 109, .	3.3	11
11	Negative ion extraction from hydrogen plasma bulk. Physics of Plasmas, 2013, 20, 103506.	1.9	10
12	Numerical study of the characteristics of the ion and fast atom beams in an end-Hall ion source. Journal of Applied Physics, 2012, 112, .	2.5	7
13	Time dependent behaviors of ion-ion plasmas exposed to various voltage waveforms in the kilohertz to megahertz frequency range. Physics of Plasmas, 2012, 19, .	1.9	7
14	Numerical study of the collisionless interaction between positive and negative ion beams. Physics of Plasmas, 2018, 25, .	1.9	6
15	Electron transport across a magnetic filter: Magnetic field gradient effects on plasma properties. Physics of Plasmas, 2019, 26, .	1.9	5
16	Electronegative plasma diagnostic by laser photo-detachment combined with negatively biased Langmuir probe. Physics of Plasmas, 2018, 25, 053510.	1.9	4
17	Control of Dual Frequency Capacitively Coupled Plasma via blocking capacitor and phase angle. EPJ Applied Physics, 2017, 80, 10802.	0.7	3
18	Analytical and numerical studies of positive ion beam expansion for surface treatment applications. EPJ Applied Physics, 2018, 81, 10802.	0.7	3

#	ARTICLE	IF	CITATIONS
19	Effects of electron spatial inertia and magnetic field gradient on transport across magnetic filter. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	3
20	Expansion of alternatively extracted ion beam in a low pressure collisional medium. <i>Plasma Sources Science and Technology</i> , 2020, 29, 105019.	3.1	3
21	Numerical Modeling of an End-Hall Ion Source. <i>Advanced Materials Research</i> , 0, 227, 144-147.	0.3	2
22	Eclipse laser photo-detachment: does the blocking wire distort the collected laser photo-detachment signal?. <i>Plasma Sources Science and Technology</i> , 2019, 28, 065016.	3.1	2
23	Gas pressure effect on plasma transport in a magnetic-filtered radio-frequency plasma source. <i>Plasma Science and Technology</i> , 2020, 22, 065402.	1.5	2
24	Laser photo-detachment combined with Langmuir probe in magnetized electronegative plasma: how the probe size affects the plasma dynamic?. <i>Plasma Sources Science and Technology</i> , 0, , .	3.1	2
25	Experimental investigation of hybrid plasma reactor for duplex surface treatment. <i>EPJ Applied Physics</i> , 2022, 97, 15.	0.7	1