

Joel

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

159
citations

1478505

6
h-index

1199594

12
g-index

23
all docs

23
docs citations

23
times ranked

81
citing authors

#	ARTICLE	IF	CITATIONS
1	Stark broadening of low- n hydrogen lines in strongly magnetized hydrogen plasmas: Influence of n -degeneracy removal due to the quadratic Zeeman effect. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022, 278, 100014.	2.3	2
2	New analysis of Balmer line shapes in magnetic white dwarf atmospheres. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	6
3	Collisional redistribution of hydrogen line radiation in low- and moderate-density magnetized plasmas. <i>Physical Review E</i> , 2021, 103, 053209.	2.1	0
4	Modeling of photon trapping effects in high-density divertor plasmas. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 247, 106949.	2.3	2
5	Quantifying the statistical noise in computer simulations of Stark broadening. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 249, 107002.	2.3	12
6	Stark broadening of Balmer lines with low and moderate quantum number in dense divertor plasmas. <i>Contributions To Plasma Physics</i> , 2018, 58, 578-582.	1.1	5
7	Derivation of a Transport Equation for Line Radiation Using the Wigner Phase Space Formalism. <i>Journal of Computational and Theoretical Transport</i> , 2018, 47, 18-27.	0.8	1
8	Design of a Hybrid Monte Carlo Method for Line Radiation Transport Simulations in Magnetic Fusion. <i>Journal of Computational and Theoretical Transport</i> , 2018, 47, 46-57.	0.8	0
9	Report on the third SLSP code comparison workshop. <i>High Energy Density Physics</i> , 2017, 22, 60-63.	1.5	6
10	Development of a hybrid kinetic-fluid model for line radiation transport in magnetic fusion plasmas. <i>High Energy Density Physics</i> , 2017, 22, 73-76.	1.5	5
11	A new table of Balmer line shapes for the diagnostic of magnetic fusion plasmas. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 187, 333-337.	2.3	16
12	Hybrid Formulation of Radiation Transport in Optically Thick Divertor Plasmas. <i>Contributions To Plasma Physics</i> , 2016, 56, 663-668.	1.1	4
13	Radiative Transfer Reconsidered as a Quantum Kinetic Theory Problem. <i>Journal of Astrophysics and Astronomy</i> , 2015, 36, 605.	1.0	0
14	Retaining space and time coherence in radiative transfer models. <i>Physical Review E</i> , 2015, 91, 053103.	2.1	4
15	Modeling of Stark-Zeeman Lines in Magnetized Hydrogen Plasmas. <i>Journal of Astrophysics and Astronomy</i> , 2015, 36, 581.	1.0	1
16	A table of Balmer \hat{I}^3 line shapes for the diagnostic of magnetic fusion plasmas. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 165, 102-107.	2.3	8
17	Modeling of Stark-Broadened Lines in a Fluctuating Edge Plasma. <i>Contributions To Plasma Physics</i> , 2014, 54, 565-569.	1.1	4
18	Radiative transfer with partial coherence in optically thick plasmas. <i>Physical Review E</i> , 2013, 87, 043108.	2.1	7

#	ARTICLE	IF	CITATIONS
19	Divergence of the Stark collision operator at large impact parameters in plasma spectroscopy models. Physical Review E, 2013, 88, 035101.	2.1	3
20	Influence of correlated collisions on Stark-broadened lines in plasmas. Physical Review E, 2012, 86, 046407.	2.1	17
21	Stark broadening of hydrogen lines in low-density magnetized plasmas. Physical Review E, 2009, 79, 046408.	2.1	50
22	An analytical model for the Ly $\hat{\pm}$ redistribution function in conditions of tokamak edge plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 165701.	1.5	6