

Claudio Mendoza

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

493
citations

759233

12
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

524
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoionization Models for High-density Gas. <i>Astrophysical Journal</i> , 2021, 908, 94.	4.5	8
2	The XSTAR Atomic Database. <i>Atoms</i> , 2021, 9, 12.	1.6	12
3	Integrating numerical modeling into an introductory physics laboratory. <i>American Journal of Physics</i> , 2021, 89, 713-720.	0.7	3
4	K α line X-ray fluorescence from highly charged iron ions under dense astrophysical plasma conditions. <i>X-Ray Spectrometry</i> , 2020, 49, 29-32.	1.4	2
5	A Decade with VAMDC: Results and Ambitions. <i>Atoms</i> , 2020, 8, 76.	1.6	53
6	Atomic Data Assessment with PyNeb. <i>Atoms</i> , 2020, 8, 66.	1.6	17
7	Atomic Databases: Four of a Kind. <i>Atoms</i> , 2020, 8, 30.	1.6	1
8	Plasma environment effects on K lines of astrophysical interest. <i>Astronomy and Astrophysics</i> , 2019, 626, A83.	5.1	16
9	K-shell photoabsorption and photoionization of trace elements. <i>Astronomy and Astrophysics</i> , 2018, 616, A62.	5.1	3
10	Computation of Atomic Astrophysical Opacities. <i>Atoms</i> , 2018, 6, 28.	1.6	6
11	Oxygen, neon, and iron X-ray absorption in the local interstellar medium. <i>Astronomy and Astrophysics</i> , 2016, 588, A111.	5.1	25
12	IPOPv2 online service for the generation of opacity tables. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 171, 66-72.	2.3	7
13	ISMabs: A COMPREHENSIVE X-RAY ABSORPTION MODEL FOR THE INTERSTELLAR MEDIUM. <i>Astrophysical Journal</i> , 2015, 800, 29.	4.5	36
14	ATOMIC DATA AND SPECTRAL MODEL FOR Fe II. <i>Astrophysical Journal</i> , 2015, 808, 174.	4.5	36
15	AtomPy: An Open Atomic Data Curation Environment for Astrophysical Applications. <i>Atoms</i> , 2014, 2, 123-156.	1.6	5
16	K-SHELL PHOTOABSORPTION OF MAGNESIUM IONS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 214, 8.	7.7	11
17	PHYSICAL PROPERTIES OF THE INTERSTELLAR MEDIUM USING HIGH-RESOLUTION CHANDRA SPECTRA: O K-EDGE ABSORPTION. <i>Astrophysical Journal</i> , 2014, 790, 131.	4.5	25
18	SPECTRUM SYNTHESIS MODELING OF THE X-RAY SPECTRUM OF GRO J1655-40 TAKEN DURING THE 2005 OUTBURST. <i>Astrophysical Journal</i> , 2009, 701, 865-884.	4.5	89

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19	Calculation of one-center integrals in parametric methods using simulated annealing and simplex methods. International Journal of Quantum Chemistry, 2004, 96, 303-311.	2.0	10
20	CATIVIC: Parametric quantum chemistry package for catalytic reactions: I. International Journal of Quantum Chemistry, 2004, 96, 321-332.	2.0	20
21	A fast method to estimate kinetic constants for enzyme inhibitors. , 2001, 49, 109-113.		11
22	Time-dependent Closed Form Solutions for Fully Competitive Enzyme Reactions. Bulletin of Mathematical Biology, 2000, 62, 321-336.	1.9	41
23	Enzyme kinetics of multiple alternative substrates. Journal of Mathematical Chemistry, 2000, 27, 155-170.	1.5	38
24	84.20 A Formula for Integrating Inverse Functions. Mathematical Gazette, 2000, 84, 103.	0.0	3
25	Increasing the visibility and publicity for data activities and assuring the open exchange of data. , 1998, , .		0
26	Atomic hydrogen interaction with a cluster-model graphite surface: Chemisorption, coverage and H ₂ surface recombination. Catalysis Letters, 1989, 3, 89-97.	2.6	15