The New NIST Atomic Spectra Database

Physica Scripta

T83, 158

DOI: 10.1238/physica.topical.083a00158

Citation Report

#	Article	IF	Citations
1	Atomic data and spectral line intensities for Si VIII. Atomic Data and Nuclear Data Tables, 2003, 85, 317-376.	2.4	11
2	Atomic data and spectral line intensities for Ne III. Atomic Data and Nuclear Data Tables, 2003, 83, 113-152.	2.4	8
3	Effective collision strengths for electron impact excitation of Si VIII. Atomic Data and Nuclear Data Tables, 2003, 85, 69-82.	2.4	3
4	The Only Stable State of O2-Is the X2ÎgGround State and It (Still!) Has an Adiabatic Electron Detachment Energy of 0.45 eV. Journal of Physical Chemistry A, 2003, 107, 8521-8529.	2.5	240
5	Benchmarking atomic data for astrophysics: $ion{Fe}{x}$. Astronomy and Astrophysics, 2004, 422, 731-749.	5.1	95
6	Satellite measurements of the atmospheric content of metallic ion and neutral species. Advances in Space Research, 2004, 33, 1481-1485.	2.6	7
7	Properties of the Lower Transition Region: The Widths of Optically Allowed and Intersystem Spectral Lines. Astrophysical Journal, 2004, 600, 1061-1072.	4.5	21
8	Atomic data and spectral line intensities for Ne III. Atomic Data and Nuclear Data Tables, 2005, 89, 195-265.	2.4	12
9	Atomic data and spectral line intensities for Mg V. Atomic Data and Nuclear Data Tables, 2006, 92, 105-175.	2.4	11
10	Fine-structure calculations of energy levels, oscillator strengths, and transition probabilities for sodium-like ions (Co XVIIâ€“Kr XXVI). Atomic Data and Nuclear Data Tables, 2006, 92, 187-205.	2.4	18
11	Atomic data and spectral line intensities for Mg VI. Atomic Data and Nuclear Data Tables, 2007, 93, 1-54.	2.4	6
12	Simulation of radiating CO2-N2 shock layer experiments at hyperbolic entry conditions. , 2008, , .		7
13	Near-field enhancement of infrared intensities for f-f transitions in Er3+ ions close to the surface of silicon nanoparticles. Journal of Molecular Modeling, 2011, 17, 423-428.	1.8	6
14	Extraction of compositional and hydration information of sulfates from laser-induced plasma spectra recorded under Mars atmospheric conditions â€" Implications for ChemCam investigations on Curiosity rover. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 68, 1-16.	2.9	58
15	Feed gas humidity: a vital parameter affecting a cold atmospheric-pressure plasma jet and plasma-treated human skin cells. Journal Physics D: Applied Physics, 2013, 46, 295401.	2.8	149
16	Geochemical profile of a layered outcrop in the Atacama analogue using laserâ€induced breakdown spectroscopy: Implications for Curiosity investigations in Gale. Geophysical Research Letters, 2013, 40, 1965-1970.	4.0	15
17	Humic acid and trihalomethane breakdown with potential by-product formations for atmospheric air plasma water treatment. Journal of Industrial and Engineering Chemistry, 2018, 59, 350-361.	5.8	20
18	Numerical Simulation of Ni-Like Xe-Plasma Dynamics and Laser Gain in a Low-Inductive Capillary Discharge. Journal of Russian Laser Research, 2020, 41, 424-433.	0.6	1

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19	Benchmarking atomic data for astrophysics: Feâ€‰XII. Astronomy and Astrophysics, 2005, 433, 731-744.	5.1	70
20	Single spin resonance driven by electric modulation of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>g</mml:mi></mml:math> -factor anisotropy. Physical Review Research, 2019, 1, .	3.6	18
21	Data Programs at NBS/NIST: 1901â€“2021. Journal of Physical and Chemical Reference Data, 2022, 51, 011501.	4.2	6
22	Benchmarking ANO-R basis set for multiconfigurational calculations. Electronic Structure, 2022, 4, 014009.	2.8	2
23	Whose line is it anyway? A self-training spectral line identification code for plasma physics experiments. Journal of Applied Physics, 2022, 132, 183302.	2.5	0