Shu-Xing Wang

List of Publications by Year
in descending order

29	158	1307594 7	1281871 11
papers	citations	h-index	g-index

32	32	32	64
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revisiting the oscillator strengths and cross sections of atomic neon by fast electron scattering. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 277, 107988.	2.3	2
2	Momentum-transfer-dependence behavior of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>s</mml:mi></mml:mrow></mml:m autoionization resonances of argon studied by high-resolution fast electron scattering. Physical Review A, 2022, 105, .	2.5	0
3	Generalized Oscillator Strengths for the Valence Shell Excitations in Carbon Tetrachloride Studied by Fast Electron Impact. Journal of Physical Chemistry A, 2022, 126, 453-461.	2.5	4
4	Cross sectionsÂfor valence-shell excitations of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi></mml:mrow></mml:math> in the 9.85â€“12.15-eV energy-loss range studied by high-energy inelastic electron scattering. Physical Review A, 2022, 105, .	2.5	2
5	Plasma-relevant fast electron impact study of trifluoromethane. Plasma Sources Science and Technology, 2022, 31, 045012.	3.1	2
6	Probing the delocalized core-hole via inner-shell excitation in N₂. New Journal of Physics, 2022, 24, 053036.	2.9	2
7	Differential and integral cross sectionsÂfor the valence-shell excitations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">D</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi></mml:mrow></mml:math> studied by fast electron impact. Physical Review A, 2022, 105, .	2.5	0
8	Oscillator strengths and integral cross-sections of the valence-shell excitations of CH₃Cl studied by fast electron scattering. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 055101.	1.5	3
9	Cross sections for the electron-impact excitations Ã1B1 and B̃1A1 of H2O determined by high-energy electron scattering. Physical Review A, 2021, 103, .	2.5	6
10	Precision measurements of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mrow /><mml:mn>2</mml:mn></mml:msup><mml:msub><mml:mi>P</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml: fine-structure splitting in B-like <mml:math xm. Physical Review A, 2021, 104, .	2.5	5
11	Enhancement of electronâ€“ion recombination rates at low energy range in the heavy ion storage ring CSRm. Chinese Physics B, 2020, 29, 033401.	1.4	2
12	Non-resonant inelastic X-ray scattering spectroscopy: A momentum probe to detect the electronic structures of atoms and molecules. Matter and Radiation at Extremes, 2020, 5, .	3.9	14
13	Dielectronic recombination rate coefficients for F-like nickel. Journal of Physics: Conference Series, 2020, 1412, 232001.	0.4	0
14	Electron-ion recombination rate coefficients of carbon-like Ar¹²⁺. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 085004.	1.5	5
15	Rate Coefficients for Dielectronic Recombination of Carbon-like ⁴⁰Ca¹⁴⁺. Astrophysical Journal, 2020, 905, 36.	4.5	8
16	Absolute rate coefficients for dielectronic recombination of Na-like <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Kr</mml:mi></mml:mrow><mml:mrow><mml:mn Physical Review A, 2020, 102, .	2.5	8
17	The Study of the Low-Lying Valence-Shell Excitations of Hydrogen Sulfide by Fast Electron Impact. Journal of Physical Chemistry A, 2020, 124, 10997-11005.	2.5	0
18	Dielectronic recombination rate coefficients of fluorine-like nickel. Astronomy and Astrophysics, 2019, 627, A171.	5.1	10

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19	Generalized oscillator strengths of the low-lying valence-shell excitations of N2, O2, and C2H2 studied by fast electron and inelastic x-ray scattering. Journal of Chemical Physics, 2019, 150, 094302.	3.0	5
20	A study on the validity of the first Born approximation for high-energy electron scattering with nitrogen molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 245202.	1.5	10
21	Dielectronic and Trielectronic Recombination Rate Coefficients of Be-like Ar ¹⁴⁺. Astrophysical Journal, Supplement Series, 2018, 235, 2.	7.7	31
22	KLL Dielectronic Satellite Spectra from the Photorecombination of He-like Fe and Ni Ions. Astrophysical Journal, 2018, 869, 128.	4.5	0
23	Optical oscillator strengths of the vibronic excitations of molecular deuterium determined by the dipole (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mm Physical Review A, 2018, 98, .	2.5	4
24	Electronâ€“ion Recombination Rate Coefficients of Be-like ⁴⁰Ca¹⁶⁺. Astrophysical Journal, 2018, 862, 134.	4.5	14
25	Investigations of the dielectronic recombination of phosphorus-like tin at CSRm. Chinese Physics B, 2018, 27, 063402.	1.4	3
26	Low energy range dielectronic recombination of Fluorine-like Fe ¹⁷⁺ at the CSRm. Chinese Physics C, 2018, 42, 064001.	3.7	10
27	Dielectronic recombination of Be-like argon at the CSRm. Journal of Physics: Conference Series, 2017, 875, 012020.	0.4	2
28	Specific heat anomaly due to peierls transition in potassium blue bronze. Physica Status Solidi (B): Basic Research, 1991, 164, K73.	1.5	0
29	Oscillator strength study of the excitations of valence-shell of C₂H₂ by high-resolution inelastic x-ray scattering. Chinese Physics B, 0, , .	1.4	0