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Google Scholar id: <https://scholar.google.com/citations?user=f5z3O7wAAAAJ&hl=en>

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Research Papers:

1. “Photoionization study of Ne-like K₉⁺, Ca₁₀⁺, Sc₁₁⁺, Ti₁₂⁺, V₁₃⁺, Cr₁₄⁺, Mn₁₅⁺, and Fe₁₆⁺ ions using the screening constant by unit nuclear charge method”

Radiation Physics and Chemistry 125: 50-55. (Scopus, Science citation index, web of science)

Link to the article/paper

<https://www.sciencedirect.com/science/article/abs/pii/S0969806X16300937>

2. “MCDHF calculations and study of plasma parameters for Li-like ions”

Radiation Physics and Chemistry 123: 46-54. (Scopus, Science citation index, web of science)

Link to the article/paper

<https://www.sciencedirect.com/science/article/abs/pii/S0969806X16300615>

3. “Extreme ultraviolet and soft x-ray spectral lines in Rb XXIX”

Chinese Physics B 25(3): 033201. (Scopus, web of science)

Link to the article/paper

http://cpb.iphy.ac.cn/article/2016/1815/cpb_25_3_033201.html

4. “Calculation of Energy Levels, Lifetimes and Radiative Data for La XXIX to Sm XXXIV”

Atomic Data and Nuclear Data Tables 107: 406-456. (Scopus, Science citation index, web of science)

Link to the article/paper

<https://www.sciencedirect.com/science/article/abs/pii/S0092640X15000315>

5. “Energy Levels and Radiative Transition Rates for Ba XLVIII”

Atomic Data and Nuclear Data Tables 107: 367-405. (Scopus, Science citation index, web of science)

Link to the article/paper

<https://www.sciencedirect.com/science/article/abs/pii/S0092640X15000327>

6. “Energy levels, lifetimes and radiative data of Ba XXVI”

Atomic Data and Nuclear Data Tables 109-110: 339-351. (Scopus, Science citation index, web of science)

Link to the article/paper

<https://www.sciencedirect.com/science/article/abs/pii/S0092640X16000036>

7. “Analysis of discrepancy in previously published excitation energies of Ne-like ions from two independent codes and atomic data of Rb XXVIII and Ba XLVII”

Journal of Electron Spectroscopy and Related Phenomena 239: 146905. (Scopus, Science citation index)

Link to the article/paper

<https://www.sciencedirect.com/science/article/abs/pii/S0368204819302300>

8. “Energy levels and radiative rates for Ne-like ions from Cu to Ga”

Pramana 89(5): 79-89. (UGC care list, Scopus, web of science)

Link to the article/paper

<https://www.ias.ac.in/describe/article/pram/089/05/0079>

9. “Theoretical study of energy levels and radiative properties of Be-like W₇₀⁺”

Journal of Electron Spectroscopy and Related Phenomena 229:124-131. (Scopus, Science citation index)

Link to the article/paper

<https://www.sciencedirect.com/science/article/abs/pii/S0368204818301786>

10. “Multi-configuration Dirac–Hartree–Fock (MCDHF) calculations for Ni XXV”
Radiation Physics and Chemistry 144:426-433. (Scopus, Science citation index, web of science)

Link to the article/paper

<https://www.sciencedirect.com/science/article/abs/pii/S0969806X17309830>

11. “spectroscopic study of EUV and SXR transitions of Cs XXV”
Canadian Journal of Physics 96(88): 871-877. (Scopus, Science citation index)

Link to the article/paper

<https://cdnsiencepub.com/doi/full/10.1139/cjp-2017-0359>

12. “Atomic data for Ne-like ions useful in plasma diagnostic”
Canadian Journal of Physics 96(1): 36-54. (Scopus, Science citation index)

Link to the article/paper

<https://cdnsiencepub.com/doi/full/10.1139/cjp-2017-0031>

13. “L-shell spectroscopy of neon and fluorine like copper ions from laser produced plasma”
Physics of Plasmas 26(2):1-13.(Scopus)

Link to the article/paper

<https://aip.scitation.org/doi/full/10.1063/1.5051758>

14. “Energy Levels and Radiative Properties of Cu-like Tungsten”
Journal of Atomic, Molecular, Condensed Matter and Nano Physics 7(2): 115-131.
(UGC care list)

Link to the article/paper

<https://www.rgnpublications.com/journals/index.php/jamcnp/article/view/1455>

15. “Extended Atomic Structure Calculations for W11+ and W13+”
Atoms 8(4): 92. (Scopus, Web of science)

Link to the article/paper

<https://www.mdpi.com/2218-2004/8/4/92>

16. “Determination of atomic properties in the oxygen isoelectronic sequence”
Results in Physics 22. (Scopus, SCI index)

Link to the article/paper

<https://www.sciencedirect.com/science/article/pii/S2211379721001005>

17. “Energy Levels and Oscillator Strengths of Ca V”
Journal of Atomic, Molecular, Condensed Matter and Nano Physics 8(1): 45-61.
(Crossref)

Link to the article/paper

<https://www.rgnpublications.com/journals/index.php/jamcnp/article/view/1482>

18. “Energy levels, transition data and collisional excitation cross-section of Sn³⁺ and Sn⁴⁺ ions”
Journal of Electron Spectroscopy and Related Phenomena 244. (Scopus, Science citation index)

Link to the article/paper

<https://www.sciencedirect.com/science/article/abs/pii/S0368204820300505>

19. “Atomic Structure Calculations and Study of Line Intensity Ratio for Kr XXIV”

Canadian Journal of Physics 94(8): 712-723. (Scopus, Science citation index)

Link to the article/paper

<https://cdnsiencepub.com/doi/abs/10.1139/cjp-2016-0167>

20. “Multiconfiguration al Dirac–Fock atomic structure calculations for C like tungsten”

Canadian Journal of Physics 92(3): 177-183.

Link to the article/paper

https://cdnsiencepub.com/doi/10.1139/cjp-2013-0348?_hstc=74603853.73bd3bee6fa385653ecd7c9674ba06f0.1601078400142.1601078400143.1601078400144.1&_hssc=74603853.1.1601078400145&_hsfp=381497236

21. “Relativistic atomic data for W XLVII”

Chinese Physics B 24(5) 1-8.

Link to the article/paper

<file:///C:/Users/AJIT%20BANSAL/Downloads/Relativistic%20atomic%20data%20for%20W%20XLVII.pdf>

22. “Multiconfiguration al Dirac–Fock energy levels and radiative rates for Ni XXI”

Canadian Journal of Physics 92(11): 1285-1296. (Scopus, Science citation index)

Link to the article/paper

<https://cdnsiencepub.com/doi/abs/10.1139/cjp-2013-0454>

23. “Reply to Comment on “Multiconfiguratio nal Dirac–Fock energy levels and radiative rates for Br-like tungsten”

Canadian Journal of Physics 92(6): 551-552. (Scopus, Science citation index)

Link to the article/paper

<https://cdnsiencepub.com/doi/10.1139/cjp-2014-0086>

24. “Collisional Excitations of Fluorine Like Tungsten using relativistic data Atomic R-Matrix Method”.

Journal of Atomic, Molecular, Condensate and Nano Physics s 2 (1): 1-14.

Link to the article/paper

<https://www.rgnpublications.com/journals/index.php/jamcnp/article/view/269>

25. “Energy Levels and Radiative Transition Rates for Ba XLVIII”.

Atomic Data and Nuclear Data Table 107:367-405.

Link to the article/paper

<file:///C:/Users/AJIT%20BANSAL/Downloads/j.adt.2015.07.002.pdf>

26. “R-Matrix Calculations of Photoionization Cross Section of Ne-like Tungsten”.

Canadian Journal of Physics 93 (11): 1221-1226. (Scopus, Science citation index)

Link to the article/paper

<https://cdnsiencepub.com/doi/10.1139/cjp-2015-0093>

27. “Extreme Ultraviolet and X-ray Transition Wavelengths in Rb XXIV”

Chinese Phys. B 24(10): 103202

Link to the article/paper

<http://cpb.iphy.ac.cn/EN/abstract/abstract117905.shtml>

28. “Atomic Structure Calculations for F-Like Tungsten”.

Chinese Physics B 23(9): 093203.

Link to the article/paper

<https://ui.adsabs.harvard.edu/abs/2014ChPhB..23i3203S/abstract>

29. “Breit–Pauli Atomic Structure Calculations for Fe XI”.

Atomic Data and Data Tables 99 (6):704-732.

Link to the article/paper

<https://in.booksc.me/book/25663736/eb842c>

30. "Level Energies, Lifetimes and Radiative rates in the 4p4d Configurations of Bromine-Like Ions"
Phy. Physica Scripta 88 (3): 035301.

Link to the article/paper

<https://www.semanticscholar.org/paper/Level-energies%2C-lifetimes-and-radiative-rates-in-of-Singh-Aggarwal/6396831b58e249e05d437446bccf7040f8aeec58>

31. "New Atomic data for KrXXXV useful in Fusion Plasma".
Chinese Physics B 22(3): 033201.

Link to the article/paper

<https://cpb.iphy.ac.cn/CN/Y2013/V22/I3/33201>

32. "Multiconfigurational Dirac-Fock Energy Levels and Radiative Rates for Br-Like Tungsten".
Canadian Journal of Physics 91(5): 394-400. (Scopus, Science citation index)

Link to the article/paper

<https://cdnsiencepub.com/doi/abs/10.1139/cjp-2013-0013>

33. "Photoionization Cross-Section of Chlorine like Iron".
Journal Of Astrophysic and Astronomy 33(3): 291-301.

Link to the article/paper

<https://www.ias.ac.in/article/fulltext/joaa/033/03/0291-0301>

34. "Breit-Pauli Atomic Structure Calculations for Sulphur like Titanium".
Canadian Journal of Physics 90(9): 833-847. (Scopus, Science citation index)

Link to the article/paper

https://www.researchgate.net/publication/237202857_Breit-Pauli_atomic_structure_calculations_for_sulphur-like_titanium

35. "Photoionization oh Al-like si using the R-Matrix Method".
Canadian Journal of Physics 89: 1119-1126. (Scopus, Science citation index)

Link to the article/paper

https://www.researchgate.net/publication/237202769_Photoionization_of_Al-like_Si_using_the_R-matrix_method

36. "Atomic Structure Calculations for Br-like Ions".
Canadian Journal of Physics 93(5):487-495. (Scopus, Science citation index)
37. "Energy Levels and Radiative Transtiton Rates for GeXXXI, ASXXXII, and SeXXXIII".
Atomic Data and Nuclear Data Tables 100 (4): 859-985.
38. "Atomic Data for He-Like Tungsten".
Journal of Atomic, Molecular, Condensate and Nano Physics 1(1):19-30.
39. "Atomic Structure Calculations Useful for Fusion and Astrophysics New Trends".
Atomic and Molecular Physics,0(0): n.p
40. "Atomic Structure Calaculations and Identification of EUV and SXR Spectral Lines in SrXXX".
Journal of Quantitative Spectroscopy and Radiative Transfer 161: 157-170