

# Winthrop W Smith

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

489  
citations

933264

10  
h-index

1058333

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

196  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Radiative Lifetime of the First P <sub>3/2</sub> State of Ionized Calcium and Magnesium by the Hanle Effect. Physical Review, 1966, 145, 26-35.                                    | 2.7 | 126       |
| 2  | Cold ion-neutral collisions in a hybrid trap. Journal of Modern Optics, 2005, 52, 2253-2260.   | 0.6 | 81        |
| 3  | Spectra of Autoionization Electrons Emitted by Fast, Metastable Beams of Highly Stripped Oxygen and Fluorine Ions. Physical Review Letters, 1971, 27, 1108-1111.                   | 2.9 | 55        |
| 4  | Lifetimes of the Metastable Auto-Ionizing (1s2s2p) P <sub>5/2,4</sub> States of Lithiumlike F <sub>6+</sub> and O <sub>5+</sub> Ions. Physical Review A, 1971, 4, 122-125.         | 1.0 | 47        |
| 5  | Metastable Autoionizing States of Highly Excited Heavy Ions. Physical Review Letters, 1972, 28, 1229-1232.   | 2.9 | 44        |
| 6  | Mean Life of the Metastable 2P <sub>1/2</sub> State of the Two-Electron Oxygen Ion. Physical Review A, 1970, 2, 1189-1192.   | 1.0 | 38        |
| 7  | Metastable Autoionizing States in Sodiumlike Chlorine. Physical Review Letters, 1972, 28, 1615-1618.   | 2.9 | 24        |
| 8  | Search for Off-Diagonal Density Matrix Elements for Atoms in a Supersonic Beam. Physical Review Letters, 1999, 82, 2018-2021.  | 2.9 | 17        |
| 9  | Hyperfine Structure of Hg <sup>193*</sup> , Hg <sup>195</sup> , and Hg <sup>195*</sup> by Zeeman-Level Crossings. Physical Review, 1965, 137, A330-A339.                           | 2.7 | 14        |
| 10 | Beam Fractions in the Lowest-Quartet Metastable Autoionizing State for O <sub>5+</sub> and F <sub>6+</sub> Beams after Passage through Foils. Physical Review A, 1973, 7, 487-491. | 1.0 | 11        |
| 11 | Triatomic associative ionization: Na <sub>3</sub> <sup>+</sup> formation. Chemical Physics Letters, 1993, 211, 425-429.  | 1.2 | 9         |
| 12 | Resonant collisional dissociation of Na <sub>2</sub> <sup>+</sup> by Na(3p) in an effusive beam. Physical Review A, 1994, 49, 921-926.   | 1.0 | 8         |
| 13 | Measurement of the Density Matrix of a Longitudinally Modulated Atomic Beam. Physical Review Letters, 1999, 83, 2285-2288.   | 2.9 | 8         |
| 14 | Electron spectroscopy of foil-excited chlorine beams. Nuclear Instruments & Methods, 1973, 110, 489-492.   | 1.2 | 6         |
| 15 | Metastable States of Highly Excited Heavy Ions. , 1973, , 327-337.   |     | 1         |