dr hab. Bogusław Pranszke, prof. nadz. AMG

Lista publikacji

   Electronic branching ratios in the chemiluminescent reactions of Ca(1S) and Ca*(3P) with ICl and IBr

   Electronic branching ratios in the chemiluminescent reactions of Sr(1S) and Sr*(3P, 1D) atoms with ICl and IBr

   Steric effects in chemiluminescent reactions of metastable Ca*, Sr* atoms with isomeric propyl halides

   A search for isotope effects in chemiluminescent reactions of metastable Ca*(3P, 1D) atoms with CH₃I and CD₃I molecules

   Electronic energy partitioning in the reactions of metastable Mg*(3P_J, 1D₂) atoms with halogenated methanes CX₄-nYₙ (X, Y = F, Cl, Br, I)

   Electronic energy partitioning in the reactions of metastable Mg*(3P_J) atoms with F₂, Cl₂, Br₂, I₂, ICl, IBr

7. B. Pranszke.
   Steric effects in the chemiluminescent reactions of metastable Ca*(3P) atoms with isomeric alkyl halides

   Hot-atom chemiluminescence: a beam study of the N*(3D) + CH₄ system
   An adiabatic chemiluminescent reaction: N(^2D) + H₂ → NH(A ³Π) + H, studied under beam conditions

    Hot-atom chemiluminescence: a beam study of the O(^3P) + H₂, CH₄ systems

    Electronic energy partitioning in the reactions of metastable Mg(^3P) and Ca(^3P, ^1D) atoms with halogenated methanes CX₄ (X = F, Cl, Br)

    Cross sections for the collisions of metastable Mg(^3P) and Ca(^3P, ^1D) atoms with HX molecules (X = F, Cl, Br, I)

    Balmer line emission from low-energy impact of H⁺, H₂⁺ and H₃⁺ ions in a beam on a tungsten surface

    Balmer Hβ vs. Dβ line intensity in the collisions of H⁺, H₂⁺, H₃⁺, D⁺, D₂⁺ and D₃⁺ ions with “realistic” metal surface at energies below 1 keV

15. B. Pranszke.
    Charge transfer excitation in N⁺ + CO₂ collisions under beam conditions

16. B. Pranszke.
    Charge transfer excitation in H₂⁺ + CO₂ collisions under beam conditions

    Chemiluminescence studies of the reactions of Ca(^3P, J) atoms with C₆H₅X (X = F, Cl, Br, I) and C₆F₅l molecules

    Luminescence in collisions of slow H⁺, H₂⁺, and H₃⁺ ions with O₂ molecule

Luminescence study of N$^+$ + O$_2$ collisions


20. B. Pranszke.
Charge-transfer excitation in collisions of slow H$^+$ and H$_3^+$ ions with CO$_2$ molecules under beam conditions


21. S. Werbowy and B. Pranszke
Laboratory spectroscopic studies of collisions between slow stellar wind components (H$^+$, H$^+$_2, H$^+$_3 ions) and molecular nitrogen


22. B. Pranszke.
Charge transfer excitation in He$^+$ + CO$_2$ collisions under beam conditions


23. B. Pranszke, S. Werbowy, R. Miotk, K.J. Borkowski, and A. Kowalski
Luminescent collisions of He$^+$ and He$^{++}$ ions with H$_2$ molecules at energies below 2 keV


24. S. Werbowy, B. Pranszke
Electronic excitation and charge transfer processes in collisions of H$^+$, H$_2^+$, and H$_3^+$ ions with carbon monoxide at typical solar wind velocities


25. Tomasz J. Wąsowicz and Bogusław Pranszke
Fragmentation of Tetrahydrofuran Molecules by H$^+$, C$^+$, and O$^+$ Collisions at the Incident Energy Range of 25–1000 eV


26. S. Werbowy, A. Kowalski, B. Pranszke
Luminescence cross sections for the collisions of He$^+$ and He$_2^+$ ions with N$_2$ and CO molecules studied in a beam-gas arrangement at energies below 1000 eV


27. Tomasz J. Wąsowicz and Bogusław Pranszke
Charge transfer and formation of complexes in the He$^+$ collisions with the furan molecules
28. Tomasz J. Wąsowicz and Bogusław Pranszke

Observation of the Hydrogen Migration in the Cation-Induced Fragmentation of the Pyridine Molecules


29. S. Werbowy and B. Pranszke

Charge-exchange processes in collisions of H⁺, H₂⁺, H₃⁺, He⁺, and He₂⁺ ions with CO and CO₂ molecules at energies below 1000 eV


30. Tomasz J. Wąsowicz and Bogusław Pranszke

Interactions of protons with furan molecules studied by collision-induced emission spectroscopy at the incident energy range of 50–1000 eV


31. R. Drozdowski, S. Werbowy, A. Kowalski, B. Pranszke

Luminescence in collision-induced dissociation of ND₃ by H⁺, H₂⁺, and H₃⁺ beams at energies below 1000 eV

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Zbiory zadań

1. J. Gondek, H. Majek, B. Pranszke
Fizyka 1. Zbiór zadań do gimnazjum. (Siły, ruch, siły i ruch, energia)
Gdańskie Wydawnictwo Oświatowe 2007.

2. J. Gondek, B. Pranszke
Fizyka 2. Zbiór zadań do gimnazjum. (Grawitacja, struktura materii, ciecze i gazy, ciepło)
Gdańskie Wydawnictwo Oświatowe 2009.