

Top 20 Publications

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- R. T Pack and G. A. Parker, “Quantum Reactive Scattering in Three Dimensions Using Hyperspherical (APH) Coordinates. II. Theory.”
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- G. A. Parker and R. T Pack, “Rotationally and Vibrationally Inelastic Scattering in the Rotational IOS Approximation. Ultrasimple Calculation of Total (Differential, Integral, and Transport) Cross Sections for Non-spherical Molecules”,
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- G. A. Parker, R. L. Snow and R. T Pack, “Intermolecular Potential Surfaces from Electron Gas Methods. I. Angle and Distance Dependence of the $He + CO_2$ and $Ar + CO_2$ Interactions”,
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- G. A. Parker and R. T Pack, “Identification of the Partial-Wave Parameter and Simplification of the Differential Cross Section in the J_z -CCS Approximation in Molecular Scattering”,
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- G. A. Parker, R. T Pack, B. J. Archer and R. B. Walker, “Quantum Reactive Scattering in Three Dimensions using Hyperspherical (APH) Coordinates. Tests on $H + H_2$ and $D + H_2$.”
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- R. T Pack and G. A. Parker, “Quantum Reactive Scattering in Three Dimensions Using Hyperspherical (APH) Coordinates III. Small Theta-Behavior and Corrigenda.”
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