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James McConnell. Dublin Institute for Advanced Studies, Dublin 6); J. McConnell. Rotational Brownian Motion and Dielectric Theory. Academic Press, London

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motions in general (e.g., light scattering, dielectric relaxation, The inverse of  $\tau_2$  is proportional to the rotational diffusion coefficient(0) and is an .. The theory and methodology of the use of nitroxide spin labels in conventional (7, 52) .. John Gergely, Lubert Stryer, Harden McConnell, Robert Mendelson, James Hyde, and.

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The theory of rotational Brownian motion allows one to calculate the net result of these two competing effects, and to predict how the permittivity of a dielectric material depends on the strength and frequency James Robert McConnell ( 1980).

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Title: Rotational Brownian motion and dielectric relaxation of polar molecules subjected to a constant bias field: Exact solution: Authors: Waldron, J. T.; Kalmykov

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When the rotational Brownian motion is spherically isotropic, The theory of dielectric relaxation in a model polar liquid is developed and applied to experimental

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Lewis and others?Relaxation effects in rotational Brownian motion 45 This is a purely kinematical relation with no particular reference to Brownian motion

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James Robert C. McConnell (born Dublin 1915; died 1999) was educated at O' Connell Schools, Dublin, Rotational Brownian motion and Dielectric Theory.

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Influence of surface charges of biopolymer macromolecule on its rotational Brownian dynamics in solutions is considered in terms of dielectric friction and

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Sack's discussion of the rotational Brownian motion of a spherical polar A lengthy study of inertial effects in dielectric relaxation processes was made

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McConnell & O'Raifeartaigh; Retirement of Prof. . Schr dinger found a unified theory including also the meson field using a so-called affine Wolfgang Pauli ( Princeton), Lon Rosenfeld (Utrecht), James Chadwick (Liverpool), P.M. The third line of research concerned the generalisation of Brownian motion to a sphere

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