
Electron Nuclear Double Resonance Spectroscopy Of Radicals In Solution Application To Organic And Biological Chemistry

electron-nuclear double resonance spectroscopy (and ... - electron-nuclear double resonance spectroscopy (and electron spin-echo envelope modulation spectroscopy) in bioinorganic chemistry brian m. hoffman* department of chemistry, northwestern university, 2145 sheridan road, evanston, il 60208-3113 this perspective discusses the ways that advanced paramagnetic resonance techniques, namely electron ...

electron-nuclear double resonance on copper (ii) - electron-nuclear double resonance (ENDOR). this spectroscopy has been successfully applied in a number of cases -3 to point out small details of structure within the metal binding sites of proteins. this derives from the ability of ENDOR to measure the interaction of the unpaired spin arising from the metal ion with magnetic **high field electron nuclear double resonance and dynamical ...** - high field electron nuclear double resonance and dynamical nuclear polarization april 14 th 2009 university of virginia johan van tol national high magnetic field lab / florida state university. overview electron nuclear double resonance pulsed EPR and ENDOR K₃NbO₈ with CrO₈³⁻-nitrogen centers in SiC april 14 th 2009 university of virginia **electron-nuclear correlation in above-threshold double ...** - electron-nuclear correlation in above-threshold double ionization of molecules peifen lu, lwenbin zhang, xiaochun gong, lqiyong song, kang lin, qinying ji, junyang ma, feng he,² heping zeng,¹ and jian wu^{1,*} ¹state key laboratory of precision spectroscopy, east china normal university, shanghai 200062, china **of saturation and double resonance effects in electron spin** - of relatively weak nuclear spin transitions. it was also shown in i that steady-state electron- nuclear double resonance experiments such as those of Hyde and Maki¹⁷ are predicted to occur if the lattice- induced nuclear spin transitions are comparable to the electron spin transitions. thus in this new tech- **electron spin coherence and electron nuclear double ...** - electron spin coherence and electron nuclear double resonance of bi donors in natural Si Richard E. George,¹ Wayne Witzel,² H. Riemann,³ N.V. Abrosimov,³ N. No²tzel,³ Mike I.W. Thewalt,⁴ and John J.L. Morton^{1,5,*} ¹Caesr, Clarendon Laboratory, Department of Physics, Oxford University, Oxford OX1 3PU, United Kingdom ²Sandia National Laboratories, Albuquerque, New Mexico 87185, USA **electron-nuclear double resonance spectroscopic evidence ...** - intermediate. to date, however, it has been unclear whether the iron-sulfur cluster is a simple electron-transfer center or whether it participates directly in the radical generation chemistry. here we utilize electron paramagnetic resonance (EPR) and pulsed 35 GHz electron-nuclear double resonance (ENDOR) spectroscopy to address this question. **quantum computing using electron-nuclear double resonances** - quantum computing using electron-nuclear double resonances 367 hyperfine interaction or ligand hyperfine interaction that appears in the ESR spectrum as an interaction between the magnetic moment of an unpaired spin and its nearest neighbor nuclei. to the untrained eye, this broadening effect appears as a **electron-nuclear double resonance study of flavodoxin from ...** - 2250 Helvetica Chimica Acta - Vol. 56, Fasc. 7 (1973) - Nr.237 237. electron-nuclear double resonance study of flavodoxin from *peptostreptococcus elsdenii* by J. Fritz Biophysics Research Division, Institute of Science and Technology, University of Michigan,

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