

Paul Tordo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53
papers

3,558
citations

31
h-index

54
g-index

54
ext. papers

3,824
ext. citations

7.4
avg, IF

4.58
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 53 | Dynamic Nuclear Polarization / solid-state NMR of membranes. Thermal effects and sample geometry. <i>Solid State Nuclear Magnetic Resonance</i> , 2019 , 100, 70-76 | 3.1 | 6 |
| 52 | Triangular Regulation of Cucurbit[8]uril 1:1 Complexes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5897-5907 | 16.4 | 16 |
| 51 | Alkylperoxyl spin adducts of pyrroline-N-oxide spin traps: Experimental and theoretical CASSCF study of the unimolecular decomposition in organic solvent, potential applications in water. <i>Journal of Physical Organic Chemistry</i> , 2017 , 30, e3677 | 2.1 | |
| 50 | Frozen Acrylamide Gels as Dynamic Nuclear Polarization Matrices. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8726-8730 | 16.4 | 18 |
| 49 | Dynamic Nuclear Polarization/Solid-State NMR Spectroscopy of Membrane Polypeptides: Free-Radical Optimization for Matrix-Free Lipid Bilayer Samples. <i>ChemPhysChem</i> , 2017 , 18, 2103-2113 | 3.2 | 22 |
| 48 | Frozen Acrylamide Gels as Dynamic Nuclear Polarization Matrices. <i>Angewandte Chemie</i> , 2017 , 129, 8852-8856 | 3.2 | 10 |
| 47 | Dynamic Nuclear Polarization Efficiency Increased by Very Fast Magic Angle Spinning. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10609-10612 | 16.4 | 37 |
| 46 | Dendritic polarizing agents for DNP SENS. <i>Chemical Science</i> , 2017 , 8, 416-422 | 9.4 | 27 |
| 45 | Rational design of dinitroxide biradicals for efficient cross-effect dynamic nuclear polarization. <i>Chemical Science</i> , 2016 , 7, 550-558 | 9.4 | 117 |
| 44 | Membrane topologies of the PGLa antimicrobial peptide and a transmembrane anchor sequence by Dynamic Nuclear Polarization/solid-state NMR spectroscopy. <i>Scientific Reports</i> , 2016 , 6, 20895 | 4.9 | 31 |
| 43 | Tailoring of Polarizing Agents in the bTurea Series for Cross-Effect Dynamic Nuclear Polarization in Aqueous Media. <i>Chemistry - A European Journal</i> , 2016 , 22, 5598-606 | 4.8 | 58 |
| 42 | Visualizing Specific Cross-Protomer Interactions in the Homo-Oligomeric Membrane Protein Proteorhodopsin by Dynamic-Nuclear-Polarization-Enhanced Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9032-43 | 16.4 | 60 |
| 41 | The ABC exporter MsbA probed by solid state NMR [challenges and opportunities. <i>Biological Chemistry</i> , 2015 , 396, 1135-49 | 4.5 | 21 |
| 40 | Solid-State NMR/Dynamic Nuclear Polarization of Polypeptides in Planar Supported Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 14574-83 | 3.4 | 20 |
| 39 | EPR Studies of the Binding Properties, Guest Dynamics, and Inner-Space Dimensions of a Water-Soluble Resorcinarene Capsule. <i>Chemistry - A European Journal</i> , 2015 , 21, 16404-10 | 4.8 | 11 |
| 38 | Biomolecular DNP-Supported NMR Spectroscopy using Site-Directed Spin Labeling. <i>Chemistry - A European Journal</i> , 2015 , 21, 12971-7 | 4.8 | 59 |
| 37 | Up to 100% Improvement in Dynamic Nuclear Polarization Solid-State NMR Sensitivity Enhancement of Polymers by Removing Oxygen. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1416-21 | 4.8 | 16 |

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| 36 | Solid-State Dynamic Nuclear Polarization at 9.4 and 18.8 T from 100 K to Room Temperature. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14558-61 | 16.4 | 70 |
| 35 | Amplifying dynamic nuclear polarization of frozen solutions by incorporating dielectric particles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15711-8 | 16.4 | 85 |
| 34 | Synthesis and spin-trapping properties of a trifluoromethyl analogue of DMPO: 5-methyl-5-trifluoromethyl-1-pyrroline N-oxide (5-TFDMPO). <i>Chemistry - A European Journal</i> , 2014 , 20, 4064-71 | 4.8 | 11 |
| 33 | Hydrophobic radicals embedded in neutral surfactants for dynamic nuclear polarization of aqueous environments at 9.4 Tesla. <i>Chemical Communications</i> , 2014 , 50, 10198-201 | 5.8 | 22 |
| 32 | Optimizing Sample Preparation Methods for Dynamic Nuclear Polarization Solid-state NMR of Synthetic Polymers. <i>Macromolecules</i> , 2014 , 47, 3909-3916 | 5.5 | 38 |
| 31 | Spin exchange monitoring of the strong positive homotropic allosteric binding of a tetradical by a synthetic receptor in water. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17570-7 | 16.4 | 25 |
| 30 | NMR-based structural biology enhanced by dynamic nuclear polarization at high magnetic field. <i>Journal of Biomolecular NMR</i> , 2014 , 60, 157-68 | 3 | 82 |
| 29 | Host-guest complexes as water-soluble high-performance DNP polarizing agents. <i>Journal of the American Chemical Society</i> , 2013 , 135, 19275-81 | 16.4 | 34 |
| 28 | Large molecular weight nitroxide biradicals providing efficient dynamic nuclear polarization at temperatures up to 200 K. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12790-7 | 16.4 | 284 |
| 27 | Highly Efficient, Water-Soluble Polarizing Agents for Dynamic Nuclear Polarization at High Frequency. <i>Angewandte Chemie</i> , 2013 , 125, 11058-11061 | 3.6 | 63 |
| 26 | Highly efficient, water-soluble polarizing agents for dynamic nuclear polarization at high frequency. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10858-61 | 16.4 | 328 |
| 25 | Räktitelbild: Highly Efficient, Water-Soluble Polarizing Agents for Dynamic Nuclear Polarization at High Frequency (Angew. Chem. 41/2013). <i>Angewandte Chemie</i> , 2013 , 125, 11112-11112 | 3.6 | 1 |
| 24 | Dynamic Nuclear Polarization Enhanced Solid-State NMR Spectroscopy of Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2012 , 124, 127-131 | 3.6 | 37 |
| 23 | Dynamic nuclear polarization enhanced solid-state NMR spectroscopy of functionalized metal-organic frameworks. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 123-7 | 16.4 | 145 |
| 22 | A slowly relaxing rigid biradical for efficient dynamic nuclear polarization surface-enhanced NMR spectroscopy: expeditious characterization of functional group manipulation in hybrid materials. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2284-91 | 16.4 | 169 |
| 21 | Non-aqueous solvents for DNP surface enhanced NMR spectroscopy. <i>Chemical Communications</i> , 2012 , 48, 654-6 | 5.8 | 129 |
| 20 | Rigid orthogonal bis-TEMPO biradicals with improved solubility for dynamic nuclear polarization. <i>Journal of Organic Chemistry</i> , 2012 , 77, 1789-97 | 4.2 | 66 |
| 19 | Dinitroxides for Solid State Dynamic Nuclear Polarization. <i>Applied Magnetic Resonance</i> , 2012 , 43, 251-261 | 6.8 | 34 |

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| 18 | Properties of dinitroxides for use in dynamic nuclear polarization (DNP). <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 5841-5 | 3.6 | 55 |
| 17 | Solid-state NMR spectroscopy of oriented membrane polypeptides at 100 K with signal enhancement by dynamic nuclear polarization. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5940-5946 | 16.4 | 72 |
| 16 | Structure and spectromagnetic properties of the superoxide radical adduct of DMPO in water: elucidation by theoretical investigations. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 11793-803 | 3.4 | 17 |
| 15 | EPR Characterization of a Rigid Bis-TEMPO Bis-Ketal for Dynamic Nuclear Polarization. <i>Applied Magnetic Resonance</i> , 2010 , 37, 505-514 | 0.8 | 29 |
| 14 | Dynamic Nuclear Polarization with a Rigid Biradical. <i>Angewandte Chemie</i> , 2009 , 121, 5096-5100 | 3.6 | 46 |
| 13 | Improving the trapping of superoxide radical with a beta-cyclodextrin-5-diethoxyphosphoryl-5-methyl-1-pyrroline-N-oxide (DEPMPO) conjugate. <i>Chemistry - A European Journal</i> , 2009 , 15, 11114-8 | 4.8 | 35 |
| 12 | Dynamic nuclear polarization with a rigid biradical. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4996-5000 | 16.4 | 230 |
| 11 | Mito-DEPMPO synthesized from a novel NH ₂ -reactive DEPMPO spin trap: a new and improved trap for the detection of superoxide. <i>Chemical Communications</i> , 2007 , 1083-5 | 5.8 | 45 |
| 10 | Design of new derivatives of nitron DEPMPO functionalized at C-4 for further specific applications in superoxide radical detection. <i>Journal of Organic Chemistry</i> , 2007 , 72, 7886-92 | 4.2 | 17 |
| 9 | Synthesis and spin-trapping behavior of 5-ChEPMPO, a cholesteryl ester analogue of the spin trap DEPMPO. <i>Journal of Organic Chemistry</i> , 2005 , 70, 10426-33 | 4.2 | 25 |
| 8 | Synthesis and structure of 5,5-diethoxycarbonyl-1-pyrroline N-oxide (DECPO). Application to superoxide radical trapping. <i>Tetrahedron Letters</i> , 2004 , 45, 149-152 | 2 | 24 |
| 7 | Synthesis of the cis diastereoisomer of 5-diethoxyphosphoryl-5-methyl-3-phenyl-1-pyrroline N-oxide (DEPMPOc) and ESR study of its superoxide spin adduct. <i>Tetrahedron Letters</i> , 2004 , 45, 6385-6389 | 3.89 | 16 |
| 6 | Design and use of phosphorus nitroxides and alkoxyamines in controlled/living free radical polymerizations. <i>Macromolecular Symposia</i> , 2002 , 182, 225-247 | 0.8 | 61 |
| 5 | 2-ethoxycarbonyl-2-methyl-3,4-dihydro-2H-pyrrole-1-oxide: evaluation of the spin trapping properties. <i>Free Radical Biology and Medicine</i> , 2000 , 28, 403-8 | 7.8 | 132 |
| 4 | Synthesis of a New Spin Trap: 2-(Diethoxyphosphoryl)-2-phenyl-3,4-dihydro-2H-pyrrole 1-Oxide. <i>Journal of Organic Chemistry</i> , 1999 , 64, 1471-1477 | 4.2 | 41 |
| 3 | 5-(Diethoxyphosphoryl)-5-methyl-1-pyrroline N-oxide: a new efficient phosphorylated nitron for the in vitro and in vivo spin trapping of oxygen-centered radicals. <i>Journal of Medicinal Chemistry</i> , 1995 , 38, 258-65 | 8.3 | 427 |
| 2 | Decay of the hydroperoxyl spin adduct of 5-diethoxyphosphoryl-5-methyl-1-pyrroline N-oxide: an EPR kinetic study. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995 , 295-298 | | 58 |
| 1 | 5-Diethoxyphosphoryl-5-methyl-1-pyrroline N-oxide (DEPMPO): a new phosphorylated nitron for the efficient In Vitro and In Vivo spin trapping of oxygen-centred radicals. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1793 | | 86 |

