

Natalya N Fishman

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Chemically Induced Spin Hyperpolarization: Coherence Formation in Reaction Products. <i>Applied Magnetic Resonance</i> , 2022, 53, 595-613.	1.2	2
2	Reduction of Thymine Radicals by Tryptophan: a Study of CIDNP Kinetics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 426, 113761.	3.9	2
3	Exchange interaction in short-lived flavine adenine dinucleotide biradical in aqueous solution revisited by CIDNP (chemically induced dynamic nuclear polarization) and nuclear magnetic relaxation dispersion. <i>Magnetic Resonance</i> , 2021, 2, 139-148.	1.9	2
4	Mapping ¹³ C hyperfine couplings and exchange interactions in short-lived charge separated states of rigid donor-bridge-acceptor dyads. <i>Journal of Chemical Physics</i> , 2021, 155, 224201.	3.0	2
5	Temperature dependence of the degenerate electron exchange between guanosine-5'-monophosphate cation and its short-lived radical dication in aqueous solution. <i>Russian Chemical Bulletin</i> , 2021, 70, 2375-2381.	1.5	1
6	Positive electronic exchange interaction and predominance of minor triplet channel in CIDNP formation in short lived charge separated states of D-X-A dyads. <i>Journal of Chemical Physics</i> , 2020, 152, 014203.	3.0	13
7	Multifrequency Nuclear Magnetic Resonance as an Efficient Tool To Investigate Heterospin Complexes in Solutions. <i>Journal of Physical Chemistry A</i> , 2020, 124, 1343-1352.	2.5	1
8	Kinetics of Reversible Protonation of Transient Neutral Guanine Radical in Neutral Aqueous Solution. <i>ChemPhysChem</i> , 2018, 19, 2696-2702.	2.1	8
9	Electron transfer vs. proton-coupled electron transfer as the mechanism of reaction between amino acids and triplet-excited benzophenones revealed by time-resolved CIDNP. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21127-21135.	2.8	22
10	Indirect NMR detection of transient guanosyl radical protonation in neutral aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21262-21266.	2.8	9
11	Intramolecular Electron Transfer from Tryptophan to Guanosyl Radicals in a Linked System as a Model of DNA Repair. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 479-495.	2.8	5
12	Chemically induced dynamic nuclear polarization study of the reduction of histidine radical in the reactions with aromatic amino acids. <i>Russian Chemical Bulletin</i> , 2016, 65, 2907-2913.	1.5	6
13	Effect of Amino Group Charge on the Photooxidation Kinetics of Aromatic Amino Acids. <i>Journal of Physical Chemistry A</i> , 2014, 118, 339-349.	2.5	21
14	Photooxidation of Histidine by 3,3',4,4'-Benzophenone Tetracarboxylic Acid in Aqueous Solution: Time-Resolved and Field-Dependent CIDNP Study. <i>Applied Magnetic Resonance</i> , 2014, 45, 1019-1033.	1.2	16
15	Oxidation of Purine Nucleotides by Triplet 3,3',4,4'-Benzophenone Tetracarboxylic Acid in Aqueous Solution: pH-Dependence. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4966-4974.	2.5	10
16	Influence of the charge of amino group on photoinduced oxidation of histidine. <i>Doklady Physical Chemistry</i> , 2013, 449, 66-70.	0.9	5
17	¹ H CIDNP study of the kinetics and mechanism of the reversible photoinduced oxidation of tryptophyl-tryptophan dipeptide in aqueous solutions. <i>Russian Chemical Bulletin</i> , 2011, 60, 2579-2587.	1.5	8
18	Deprotonation of Transient Guanosyl Cation Radical Catalyzed by Buffer in Aqueous Solution: TR-CIDNP Study. <i>Applied Magnetic Resonance</i> , 2011, 41, 239-250.	1.2	9