Natalya N Fishman

List of Publications by Year
in descending order

18	142	1163065 8	1199563 12
papers	citations	h-index	g-index

18	18	18	124
all docs	docs citations	times ranked	citing authors

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