

Kenichiro Tateishi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Triplet Dynamic Nuclear Polarization of Guest Molecules through Induced Fit in a Flexible Metal-Organic Framework**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	22
2	Porphyrins as Versatile, Aggregation-Tolerant, and Biocompatible Polarizing Agents for Triplet Dynamic Nuclear Polarization of Biomolecules. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2645-2650.	2.1	16
3	Design Guidelines to Elongate Spin Lattice Relaxation Times of Porphyrins with Large Triplet Electron Polarization. <i>Journal of Physical Chemistry A</i> , 2021, 125, 4334-4340.	1.1	8
4	Polarized proton spin filter for epithermal neutrons based on dynamic nuclear polarization using photo-excited triplet electron spins. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	1.8	2
5	Triplet dynamic nuclear polarization of crystalline ice using water-soluble polarizing agents. <i>Chemical Communications</i> , 2020, 56, 3717-3720.	2.2	21
6	Materials chemistry of triplet dynamic nuclear polarization. <i>Chemical Communications</i> , 2020, 56, 7217-7232.	2.2	26
7	Triplet dynamic nuclear polarization of nanocrystals dispersed in water at room temperature. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16408-16412.	1.3	12
8	Dynamic nuclear polarization with photo-excited triplet electrons using 6,13-diphenylpentacene. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19737-19741.	1.3	11
9	Nonpentacene Polarizing Agents with Improved Air Stability for Triplet Dynamic Nuclear Polarization at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2208-2213.	2.1	31
10	Dissolution Dynamic Nuclear Polarization at Room Temperature Using Photoexcited Triplet Electrons. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4294-4297.	1.1	28
11	Dynamic Nuclear Polarization of Metal-Organic Frameworks Using Photoexcited Triplet Electrons. <i>Journal of the American Chemical Society</i> , 2018, 140, 15606-15610.	6.6	29
12	Kinetic Parameters of Photo-Excited Triplet State of Pentacene Determined by Dynamic Nuclear Polarization. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 044005.	0.7	7
13	Room temperature hyperpolarization of nuclear spins in bulk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7527-7530.	3.3	99
14	Hyperpolarization of Thin Films with Dynamic Nuclear Polarization Using Photoexcited Triplet Electrons. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 084005.	0.7	9
15	Dynamic Nuclear Polarization with Photoexcited Triplet Electrons in a Glassy Matrix. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13307-13310.	7.2	28
16	Scalable Spin Amplification with a Gain Over a Hundred. <i>Physical Review Letters</i> , 2011, 107, 050503.	2.9	16
17	Triplet Dynamic Nuclear Polarization of Guest Molecules through Induced Fit in a Flexible Metal-Organic Framework**. <i>Angewandte Chemie</i> , 0, , .	1.6	3