

# Kenichiro Tateishi

## List of Publications by Year in descending order

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840119

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887659

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all docs

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docs citations

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times ranked

298  
citing authors

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