Gilles Casano

List of Publications by Year
in descending order

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16 papers	1,630 citations	687220 13 h-index	996849 15 g-index
16 all docs	16 docs citations	16 times ranked	1219 citing authors

#	Article	IF	Citations
1	Highly Efficient, Waterâ€Soluble Polarizing Agents for Dynamic Nuclear Polarization at High Frequency. Angewandte Chemie - International Edition, 2013, 52, 10858-10861.	7.2	401
2	Large Molecular Weight Nitroxide Biradicals Providing Efficient Dynamic Nuclear Polarization at Temperatures up to 200 K. Journal of the American Chemical Society, 2013, 135, 12790-12797.	6.6	355
3	A Slowly Relaxing Rigid Biradical for Efficient Dynamic Nuclear Polarization Surface-Enhanced NMR Spectroscopy: Expeditious Characterization of Functional Group Manipulation in Hybrid Materials. Journal of the American Chemical Society, 2012, 134, 2284-2291.	6.6	182
4	Rational design of dinitroxide biradicals for efficient cross-effect dynamic nuclear polarization. Chemical Science, 2016, 7, 550-558.	3.7	141
5	BDPA-Nitroxide Biradicals Tailored for Efficient Dynamic Nuclear Polarization Enhanced Solid-State NMR at Magnetic Fields up to 21.1 T. Journal of the American Chemical Society, 2018, 140, 13340-13349.	6.6	99
6	Solid-State Dynamic Nuclear Polarization at 9.4 and 18.8 T from 100 K to Room Temperature. Journal of the American Chemical Society, 2015, 137, 14558-14561.	6.6	87
7	TinyPols: a family of water-soluble binitroxides tailored for dynamic nuclear polarization enhanced NMR spectroscopy at 18.8 and 21.1 T. Chemical Science, 2020, 11, 2810-2818.	3.7	72
8	Tailoring of Polarizing Agents in the bTurea Series for Crossâ€Effect Dynamic Nuclear Polarization in Aqueous Media. Chemistry - A European Journal, 2016, 22, 5598-5606.	1.7	69
9	Dynamic Nuclear Polarization Enhancement of 200 at 21.15 T Enabled by 65 kHz Magic Angle Spinning. Journal of Physical Chemistry Letters, 2020, 11, 8386-8391.	2.1	66
10	Improved Structural Elucidation of Synthetic Polymers by Dynamic Nuclear Polarization Solid-State NMR Spectroscopy. ACS Macro Letters, 2013, 2, 715-719.	2.3	53
11	Open and Closed Radicals: Local Geometry around Unpaired Electrons Governs Magic-Angle Spinning Dynamic Nuclear Polarization Performance. Journal of the American Chemical Society, 2020, 142, 16587-16599.	6.6	42
12	¹ H detection and dynamic nuclear polarizationâ€“enhanced NMR of AÎ² ₁₋₄₂ fibrils. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	24
13	Enhanced Intersystem Crossing and Transient Electron Spin Polarization in a Photoexcited Pentaceneâ€“Trityl Radical. Journal of Physical Chemistry A, 2020, 124, 6068-6075.	1.1	19
14	Structural Analysis of an Antigen Chemically Coupled on Virusâ€Like Particles in Vaccine Formulation. Angewandte Chemie - International Edition, 2021, 60, 12847-12851.	7.2	11
15	Efficient Dynamic Nuclear Polarization up to 230 K with Hybrid BDPA-Nitroxide Radicals at a High Magnetic Field. Journal of Physical Chemistry B, 2021, 125, 13329-13338.	1.2	9
16	Struktur eines an virusÃhnliche Partikel gekoppelten Antigens: Analyse einer Impfstoffâ€Formulierung. Angewandte Chemie, 2021, 133, 12957-12961.	1.6	0