

Eugenio Daviso

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,136
citations

567281

15
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1276
citing authors

#	ARTICLE	IF	CITATIONS
1	High Frequency Dynamic Nuclear Polarization. <i>Accounts of Chemical Research</i> , 2013, 46, 1933-1941.	15.6	480
2	Dynamic nuclear polarization at 700MHz/460GHz. <i>Journal of Magnetic Resonance</i> , 2012, 224, 1-7.	2.1	85
3	The electronic structure of the primary electron donor of reaction centers of purple bacteria at atomic resolution as observed by photo-CIDNP ¹³ C NMR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22281-22286.	7.1	74
4	Peptide and Protein Dynamics and Low-Temperature/DNP Magic Angle Spinning NMR. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4997-5006.	2.6	60
5	Primary Transfer Step in the Light-Driven Ion Pump Bacteriorhodopsin: An Irreversible U-Turn Revealed by Dynamic Nuclear Polarization-Enhanced Magic Angle Spinning NMR. <i>Journal of the American Chemical Society</i> , 2018, 140, 4085-4091.	13.7	54
6	Dynamic Nuclear Polarization of Oxygen-17. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2030-2034.	4.6	51
7	Continuously Tunable 250GHz Gyrotron with a Double Disk Window for DNP-NMR Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2013, 34, 42-52.	2.2	45
8	Electron Nuclear Spin Dynamics in a Bacterial Photosynthetic Reaction Center. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10269-10278.	3.1	42
9	Observation of the solid-state photo-CIDNP effect in entire cells of cyanobacteria <i>Synechocystis</i> . <i>Photosynthesis Research</i> , 2010, 104, 275-282.	2.9	38
10	An Amyloid Organelle, Solid-state NMR Evidence for Cross-β Assembly of Gas Vesicles. <i>Journal of Biological Chemistry</i> , 2012, 287, 3479-3484.	3.4	33
11	Efficient resonance assignment of proteins in MAS NMR by simultaneous intra- and inter-residue 3D correlation spectroscopy. <i>Journal of Biomolecular NMR</i> , 2013, 55, 257-265.	2.8	32
12	Photochemically Induced Dynamic Nuclear Polarization (Photo-CIDNP) Magic-Angle Spinning NMR. <i>Advances in Photosynthesis and Respiration</i> , 2008, , 385-399.	1.0	32
13	A 10 ⁶ -fold Nuclear Hyperpolarization of a Membrane Protein in the Liquid Phase via a Solid-State Mechanism. <i>Journal of the American Chemical Society</i> , 2011, 133, 16754-16757.	13.7	31
14	Photo-CIDNP MAS NMR beyond the T1 limit by fast cycles of polarization extinction and polarization generation. <i>Journal of Magnetic Resonance</i> , 2008, 190, 43-51.	2.1	22
15	Whole Cell Nuclear Magnetic Resonance Characterization of Two Photochemically Active States of the Photosynthetic Reaction Center in <i>Heliobacteria</i> . <i>Biochemistry</i> , 2012, 51, 5763-5773.	2.5	19
16	Nanosecond-Flash 15N Photo-CIDNP MAS NMR on Reaction Centers of <i>Rhodobacter sphaeroides</i> R26. <i>Applied Magnetic Resonance</i> , 2010, 37, 49-63.	1.2	13
17	Spectral editing through laser-flash excitation in two-dimensional photo-CIDNP MAS NMR experiments. <i>Journal of Magnetic Resonance</i> , 2014, 246, 9-17.	2.1	12
18	Gas Vesicles across Kingdoms: A Comparative Solid-State Nuclear Magnetic Resonance Study. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2013, 23, 281-289.	1.0	10

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19	Action Spectroscopy on Dense Samples of Photosynthetic Reaction Centers of Rhodobacter sphaeroides WT Based on Nanosecond Laser-Flash ¹³ C Photo-CIDNP MAS NMR. Applied Magnetic Resonance, 2010, 38, 105-116.	1.2	1