

# 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	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
2	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
3	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
4	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
5	Continuously Tunable 250 GHz 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
6	High Frequency Dynamic Nuclear Polarization. <i>Accounts of Chemical Research</i> , 2013, 46, 1933-1941.	15.6	480
7	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
8	An Amyloid Organelle, Solid-state NMR Evidence for Cross- $\beta^2$ Assembly of Gas Vesicles. <i>Journal of Biological Chemistry</i> , 2012, 287, 3479-3484.	3.4	33
9	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
10	Dynamic nuclear polarization at 700MHz/460GHz. <i>Journal of Magnetic Resonance</i> , 2012, 224, 1-7.	2.1	85
11	Dynamic Nuclear Polarization of Oxygen-17. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2030-2034.	4.6	51
12	A 10 <sup>6</sup> -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
13	Nanosecond-Flash <sup>15</sup> N 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
14	Action Spectroscopy on Dense Samples of Photosynthetic Reaction Centers of <i>Rhodobacter sphaeroides</i> WT Based on Nanosecond Laser-Flash <sup>13</sup> C Photo-CIDNP MAS NMR. <i>Applied Magnetic Resonance</i> , 2010, 38, 105-116.	1.2	1
15	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
16	The electronic structure of the primary electron donor of reaction centers of purple bacteria at atomic resolution as observed by photo-CIDNP <sup>13</sup> C NMR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22281-22286.	7.1	74
17	Electron <sup>+</sup> Nuclear Spin Dynamics in a Bacterial Photosynthetic Reaction Center. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10269-10278.	3.1	42
18	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

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19	Photochemically Induced Dynamic Nuclear Polarization (Photo-CIDNP) Magic-Angle Spinning NMR. <i>Advances in Photosynthesis and Respiration</i> , 2008, , 385-399.	1.0	32