

# Pierre-Jean Nacher

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

147  
citations

1307594

7  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

120  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo NMR of hyperpolarized $^3\text{He}$ in the human lung at very low magnetic fields. <i>Journal of Magnetic Resonance</i> , 2003, 162, 122-132.	2.1	54
2	Metastability exchange optical pumping of $^3\text{He}$ gas up to hundreds of millibars at 4.7 Tesla. <i>European Physical Journal D</i> , 2013, 67, 1.	1.3	17
3	NMR Instabilities in Spin-Polarised Liquids: $^3\text{He}$ , $^3\text{He}$ - $^4\text{He}$ Mixtures and $^{129}\text{Xe}$ . <i>Journal of Low Temperature Physics</i> , 2000, 121, 743-748.	1.4	16
4	NMR measurements of hyperpolarized $\text{He}^3$ gas diffusion in high porosity silica aerogels. <i>Journal of Chemical Physics</i> , 2005, 123, 064506.	3.0	15
5	NMR Instabilities in Highly Magnetised Liquid Helium Solutions. <i>Journal of Low Temperature Physics</i> , 2002, 126, 145-150.	1.4	12
6	A fast MOSFET rf switch for low-field NMR and MRI. <i>Journal of Magnetic Resonance</i> , 2020, 310, 106638.	2.1	9
7	Nonlinear NMR dynamics in hyperpolarized liquid $^3\text{He}$ . <i>Comptes Rendus Chimie</i> , 2008, 11, 560-567.	0.5	7
8	Achieving high spatial resolution and high SNR in low-field MRI of hyperpolarised gases with Slow Low Angle SHot. <i>Journal of Magnetic Resonance</i> , 2013, 227, 72-86.	2.1	7
9	NMR Time Reversal Experiments in Highly Polarised Liquid $^3\text{He}$ - $^4\text{He}$ Mixtures. <i>Journal of Low Temperature Physics</i> , 2008, 150, 168-173.	1.4	3
10	Multiple echoes due to distant dipolar fields in NMR of hyperpolarized noble gas solutions. <i>European Physical Journal D</i> , 2013, 67, 1.	1.3	3
11	Signal feedback applications in low-field NMR and MRI. <i>Journal of Magnetic Resonance</i> , 2020, 310, 106622.	2.1	3
12	Doppler-free spectroscopy of the lowest triplet states of helium using double optical resonance. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	1