Michael C D Tayler

List of Publications by Year
in descending order

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24	898	516710 16	610901 24
papers	citations	h-index	g-index

24	24	24	647
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Decoupling of Spin Decoherence Paths near Zero Magnetic Field. Journal of Physical Chemistry Letters, 2022, 13, 98-104.	4.6	7
2	Miniature Biplanar Coils for Alkali-Metal-Vapor Magnetometry. Physical Review Applied, 2022, 18, .	3.8	11
3	Fast-field-cycling ultralow-field nuclear magnetic relaxation dispersion. Nature Communications, 2021, 12, 4041.	12.8	13
4	Chapter 10. Filters for Long-lived Spin Order. New Developments in NMR, 2020, , 188-208.	0.1	6
5	Ultralow-field nuclear magnetic resonance of liquids confined in ferromagnetic and paramagnetic materials. Applied Physics Letters, 2019, 115, .	3.3	15
6	Zero-field nuclear magnetic resonance of chemically exchanging systems. Nature Communications, 2019, 10, 3002.	12.8	36
7	Scalar relaxation of NMR transitions at ultralow magnetic field. Journal of Magnetic Resonance, 2019, 298, 101-106.	2.1	14
8	NMR relaxation in porous materials at zero and ultralow magnetic fields. Journal of Magnetic Resonance, 2018, 297, 1-8.	2.1	19
9	Low-cost, pseudo-Halbach dipole magnets for NMR. Journal of Magnetic Resonance, 2017, 277, 143-148.	2.1	29
10	¹³C-Decoupled J-Coupling Spectroscopy Using Two-Dimensional Nuclear Magnetic Resonance at Zero-Field. Journal of Physical Chemistry Letters, 2017, 8, 1512-1516.	4.6	20
11	Invited Review Article: Instrumentation for nuclear magnetic resonance in zero and ultralow magnetic field. Review of Scientific Instruments, 2017, 88, 091101.	1.3	83
12	Towards Overhauser DNP in supercritical CO 2. Journal of Magnetic Resonance, 2016, 267, 30-36.	2.1	11
13	Transition-Selective Pulses in Zero-Field Nuclear Magnetic Resonance. Journal of Physical Chemistry A, 2016, 120, 4343-4348.	2.5	17
14	Nuclear magnetic resonance at millitesla fields using a zero-field spectrometer. Journal of Magnetic Resonance, 2016, 270, 35-39.	2.1	23
15	Analysis of mass-limited mixtures using supercritical-fluid chromatography and microcoil NMR. Analyst, The, 2015, 140, 6217-6221.	3.5	9
16	Recycling and Imaging of Nuclear Singlet Hyperpolarization. Journal of the American Chemical Society, 2013, 135, 5084-5088.	13.7	94
17	Accessing Long-Lived Nuclear Spin Order by Isotope-Induced Symmetry Breaking. Journal of the American Chemical Society, 2013, 135, 2120-2123.	13.7	40
18	Hyperpolarized singlet lifetimes of pyruvate in human blood and in the mouse. NMR in Biomedicine, 2013, 26, 1696-1704.	2.8	54

#	Article	IF	Citations
19	Direct Enhancement of Nuclear Singlet Order by Dynamic Nuclear Polarization. Journal of the American Chemical Society, 2012, 134, 7668-7671.	13.7	94
20	Hyperpolarized singlet NMR on a small animal imaging system. Magnetic Resonance in Medicine, 2012, 68, 1262-1265.	3.0	37
21	Paramagnetic relaxation of nuclear singlet states. Physical Chemistry Chemical Physics, 2011, 13, 9128.	2.8	49
22	Singlet nuclear magnetic resonance of nearly-equivalent spins. Physical Chemistry Chemical Physics, 2011, 13, 5556.	2.8	135
23	Unraveling the spectroscopy of coupled intramolecular tunneling modes: A study of double proton transfer in the formic-acetic acid complex. Journal of Chemical Physics, 2011, 134, 054316.	3.0	42
24	Determination of Molecular Torsion Angles Using Nuclear Singlet Relaxation. Journal of the American Chemical Society, 2010, 132, 8225-8227.	13.7	40