

Andrin Doll

List of Publications by Year in descending order

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23
papers

732
citations

567281

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642732

23
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all docs

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docs citations

23
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	Adiabatic and fast passage ultra-wideband inversion in pulsed EPR. <i>Journal of Magnetic Resonance</i> , 2013, 230, 27-39.	2.1	118
2	Gd(III)–Gd(III) distance measurements with chirp pump pulses. <i>Journal of Magnetic Resonance</i> , 2015, 259, 153-162.	2.1	89
3	Fourier-transform electron spin resonance with bandwidth-compensated chirp pulses. <i>Journal of Magnetic Resonance</i> , 2014, 246, 18-26.	2.1	64
4	Wideband frequency-swept excitation in pulsed EPR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2017, 280, 46-62.	2.1	55
5	Sensitivity enhancement by population transfer in Gd(ⁱⁱⁱ) spin labels. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7334-7344.	2.8	54
6	Liquid state DNP for water accessibility measurements on spin-labeled membrane proteins at physiological temperatures. <i>Journal of Magnetic Resonance</i> , 2012, 222, 34-43.	2.1	38
7	Coherence Transfer by Passage Pulses in Electron Paramagnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13570-13582.	2.6	37
8	EPR-correlated dipolar spectroscopy by Q-band chirp SIFTER. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23111-23120.	2.8	32
9	Artefact suppression in 5-pulse double electron electron resonance for distance distribution measurements. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15766-15779.	2.8	31
10	Copper ESEEM and HYSCORE through ultra-wideband chirp EPR spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 143, 044201.	3.0	30
11	Averaging of nuclear modulation artefacts in RIDME experiments. <i>Journal of Magnetic Resonance</i> , 2016, 272, 108-113.	2.1	27
12	CIDME: Short distances measured with long chirp pulses. <i>Journal of Magnetic Resonance</i> , 2016, 273, 73-82.	2.1	25
13	Water accessibility in a membrane-inserting peptide comparing Overhauser DNP and pulse EPR methods. <i>Journal of Chemical Physics</i> , 2016, 144, 194201.	3.0	20
14	Double electron–electron resonance with multiple non-selective chirp refocusing. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1039-1053.	2.8	20
15	Pulsed electron spin resonance spectroscopy in the Purcell regime. <i>Journal of Magnetic Resonance</i> , 2020, 310, 106662.	2.1	18
16	SPIDYAN, a MATLAB library for simulating pulse EPR experiments with arbitrary waveform excitation. <i>Journal of Magnetic Resonance</i> , 2016, 263, 45-54.	2.1	14
17	Transverse interference peaks in chirp FT-EPR correlated three-pulse ESEEM spectra. <i>Journal of Magnetic Resonance</i> , 2016, 272, 37-45.	2.1	12
18	Optimizing magnetoresistive sensor signal-to-noise via pinning field tuning. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	12

#	ARTICLE	IF	CITATIONS
19	Pulsed and continuous-wave magnetic resonance spectroscopy using a low-cost software-defined radio. AIP Advances, 2019, 9, .	1.3	12
20	Multiple Giant-Magnetoresistance Sensors Controlled by Additive Dipolar Coupling. Physical Review Applied, 2020, 13, .	3.8	10
21	Hyperfine spectroscopy in a quantum-limited spectrometer. Magnetic Resonance, 2020, 1, 315-330.	1.9	9
22	Optical excitation of electromagnons in hexaferrite. Physical Review Research, 2022, 4, .	3.6	4
23	Orienting dilute thin films of non-planar spin-1/2 vanadyl phthalocyanine complexes. Materials Advances, 2022, 3, 4938-4946.	5.4	1