Seong-Joo Lee

List of Publications by Year
in descending order

23	279	840776 11	888059 17
papers	citations	h-index	g-index

23	23	23	308
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spin Canting of Maghemite Studied by NMR and In-Field MÃ¶ssbauer Spectrometry. Journal of Physical Chemistry C, 2010, 114, 8794-8799.	3.1	43
2	Strong pulsed excitations using circularly polarized fields for ultra-low field NMR. Journal of Magnetic Resonance, 2014, 239, 87-90.	2.1	22
3	The spin structure of maghemite investigated by57Fe NMR. New Journal of Physics, 2006, 8, 98-98.	2.9	21
4	SQUID-based ultralow-field MRI of a hyperpolarized material using signal amplification by reversible exchange. Scientific Reports, 2019, 9, 12422.	3.3	21
5	Type-I superconductor pick-up coil in superconducting quantum interference device-based ultra-low field nuclear magnetic resonance. Applied Physics Letters, 2014, 104, .	3.3	20
6	Effective cancellation of residual magnetic interference induced from a shielded environment for precision magnetic measurements. Applied Physics Letters, 2011, 99, 132506.	3.3	19
7	Toward a brain functional connectivity mapping modality by simultaneous imaging of coherent brainwaves. NeuroImage, 2014, 91, 63-69.	4.2	19
8	Pre-polarization enhancement by dynamic nuclear polarization in SQUID-based ultra-low-field nuclear magnetic resonance. Superconductor Science and Technology, 2010, 23, 115008.	3.5	17
9	Two-dimensional NMR spectroscopy of 13C methanol at less than 5Î¼T. Journal of Magnetic Resonance, 2014, 246, 4-8.	2.1	15
10	In-situ Overhauser-enhanced nuclear magnetic resonance at less than 1â€Î¼T using an atomic magnetometer. Journal of Magnetic Resonance, 2019, 300, 149-152.	2.1	12
11	Evaluation of cancellation coil for precision magnetic measurements with strong prepolarization field inside shielded environment. Journal of Applied Physics, 2012, 111, 083916.	2.5	11
12	Application of the double relaxation oscillation superconducting quantum interference device sensor to micro-tesla 1H nuclear magnetic resonance experiments. Journal of Applied Physics, 2011, 110, .	2.5	9
13	Dynamic nuclear polarization in the hyperfine-field-dominant region. Journal of Magnetic Resonance, 2015, 255, 114-121.	2.1	9
14	Proton spin-echo magnetometer: a novel approach for magnetic field measurement in residual field gradient. Metrologia, 2015, 52, 496-501.	1.2	8
15	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:msub><mml:mrow><mml:mi>T</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mro Measurement ofEx-VivoBreast Cancer Tissues at Ultralow Magnetic Fields. BioMed Research International, 2015, 2015, 1-9.	1.9	7
16	Magnetic resonance imaging without field cycling at less than earth's magnetic field. Applied Physics Letters, 2015, 106, 103702.	3.3	7
17	Toward a magnetic resonance electrical impedance tomography in ultra-low field: A direct magnetic resonance imaging method by an external alternating current. Applied Physics Letters, 2018, 112, 153703.	3.3	5
18	Superparamagnetic behaviour of reentrant weak-ferromagnetic phase in haematite crystal at low temperatures. New Journal of Physics, 2009, 11, 023020.	2.9	4

#	Article	IF	Citations
19	Superconductors in SQUID-Based Ultralow Field NMRâ€"Flux-Trapping in Type-II Wires. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	4
20	Dynamic nuclear polarisation of liquids at one microtesla using circularly polarised RF with application to millimetre resolution MRI. Journal of Magnetic Resonance, 2019, 305, 138-145.	2.1	4
21	Overhauser proton spin-echo magnetometer for magnetic fields below 1 ${m mu}$ T. Metrologia, 2019, 56, 045011.	1.2	2
22	Development and Applications of SQUIDs in Korea. IEICE Transactions on Electronics, 2013, E96.C, 307-312.	0.6	0
23	Postmortem analysis of a failed liquid nitrogen-cooled prepolarization coil for SQUID sensor-based ultra-low field magnetic resonance. Progress in Superconductivity and Cryogenics (PSAC), 2014, 16, 44-48.	0.3	0