

# Phill Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,473  
citations

394421

19  
h-index

377865

34  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2448  
citing authors

#	ARTICLE	IF	CITATIONS
1	The relationship between diffusion heterogeneity and microstructural changes in high-grade gliomas using Monte Carlo simulations. <i>Magnetic Resonance Imaging</i> , 2022, 85, 108-120.	1.8	2
2	Reduced Hippocampal Volume and Neurochemical Response to Adult Stress Exposure in a Female Mouse Model of Urogenital Hypersensitivity. <i>Frontiers in Pain Research</i> , 2022, 3, 809944.	2.0	1
3	Motion correction methods for MRS: experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4364.	2.8	37
4	Safety and target engagement profile of two oxaloacetate doses in Alzheimer's patients. <i>Alzheimer's and Dementia</i> , 2021, 17, 7-17.	0.8	11
5	Contribution of macromolecules to brain <sup>1</sup> H MR spectra: Experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4393.	2.8	92
6	Magnetic resonance spectroscopy in the rodent brain: Experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4325.	2.8	9
7	Spectral editing in <sup>1</sup> H magnetic resonance spectroscopy: Experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4411.	2.8	74
8	Minimum Reporting Standards for in vivo Magnetic Resonance Spectroscopy (MRSinMRS): Experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4484.	2.8	144
9	Milk Intake Enhances Cerebral Antioxidant (Glutathione) Concentration in Older Adults: A Randomized Controlled Intervention Study. <i>Current Developments in Nutrition</i> , 2021, 5, 900.	0.3	0
10	A methodology for an acute exercise clinical trial called dementia risk and dynamic response to exercise. <i>Scientific Reports</i> , 2021, 11, 12776.	3.3	8
11	Method for fast lipid reconstruction and removal processing in 1 H MRSI of the brain. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2930-2944.	3.0	0
12	Frequency drift in MR spectroscopy at 3T. <i>NeuroImage</i> , 2021, 241, 118430.	4.2	28
13	Non-Fourier-based magnetic resonance spectroscopy. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021, , 537-549.	0.1	0
14	Correlation between spinal cord diffusion tensor imaging and postural response latencies in persons with multiple sclerosis: A pilot study. <i>Magnetic Resonance Imaging</i> , 2020, 66, 226-231.	1.8	1
15	Magnetic resonance imaging correlates with electrical impedance myography in facioscapulohumeral muscular dystrophy. <i>Muscle and Nerve</i> , 2020, 61, 644-649.	2.2	10
16	The promotion of physical activity for the prevention of Alzheimer's disease in adults with Down Syndrome: Rationale and design for a 12Month randomized trial. <i>Contemporary Clinical Trials Communications</i> , 2020, 19, 100607.	1.1	9
17	The Correlation Among Three Different Dietary Intake Methods in Cognitively Normal Healthy Older Adults. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa056_003.	0.3	0
18	Investigating Gains in Neurocognition in an Intervention Trial of Exercise (IGNITE): Protocol. <i>Contemporary Clinical Trials</i> , 2019, 85, 105832.	1.8	26

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19	Effects of Ethanol Exposure on the Neurochemical Profile of a Transgenic Mouse Model with Enhanced Glutamate Release Using In Vivo 1H MRS. <i>Neurochemical Research</i> , 2019, 44, 133-146.	3.3	7
20	Long-chain polyunsaturated fatty acid supplementation in the first year of life affects brain function, structure, and metabolism at age nine years. <i>Developmental Psychobiology</i> , 2019, 61, 5-16.	1.6	42
21	In vivo evidence of oxidative stress in brains of patients with progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018, 24, 1029-1038.	3.0	65
22	Pre-therapy Neural State of Bilateral Motor and Premotor Cortices Predicts Therapy Gain After Subcortical Stroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2018, 97, 23-33.	1.4	8
23	Prospective frequency correction using outer volume suppression-localized navigator for $^1\text{H}$ MRS spectroscopy and spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2366-2373.	3.0	8
24	Nuclear Magnetic Resonance Spectroscopy Techniques: In Vivo Magnetic Resonance Spectroscopy Using Localization Techniques. , 2018, , 198-198.		0
25	Imaging based magnetic resonance spectroscopy (MRS) localization for quantitative neurochemical analysis and cerebral metabolism studies. <i>Analytical Biochemistry</i> , 2017, 529, 40-47.	2.4	17
26	Magnetic resonance spectroscopy of current hand amputees reveals evidence for neuronal-level changes in former sensorimotor cortex. <i>Journal of Neurophysiology</i> , 2017, 117, 1821-1830.	1.8	6
27	Progressive Pathological Changes in Neurochemical Profile of the Hippocampus and Early Changes in the Olfactory Bulbs of Tau Transgenic Mice (rTg4510). <i>Neurochemical Research</i> , 2017, 42, 1649-1660.	3.3	12
28	Remote motor system metabolic profile and surgery outcome in cervical spondylotic myelopathy. <i>Journal of Neurosurgery: Spine</i> , 2017, 26, 668-678.	1.7	16
29	Evaluation of midcarpal capitate contact mechanics in normal, injured and post-operative wrists. <i>Clinical Biomechanics</i> , 2017, 47, 96-102.	1.2	2
30	Longitudinal changes of cerebral glutathione (GSH) levels associated with the clinical course of disease progression in patients with secondary progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2017, 23, 956-962.	3.0	21
31	In Vivo Neurochemical Characterization of Developing Guinea Pigs and the Effect of Chronic Fetal Hypoxia. <i>Neurochemical Research</i> , 2016, 41, 1831-1843.	3.3	8
32	B0-adjusted and sensitivity-encoded spectral localization by imaging (BASE-SLIM) in the human brain in vivo. <i>NeuroImage</i> , 2016, 134, 355-364.	4.2	12
33	Brain Delivery of Drug and MRI Contrast Agent: Detection and Quantitative Determination of Brain Deposition of CPT-Glu Using LC-MS/MS and Gd-DTPA Using Magnetic Resonance Imaging. <i>Molecular Pharmaceutics</i> , 2016, 13, 379-390.	4.6	17
34	Do ASARM peptides play a role in nephrogenic systemic fibrosis?. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, F764-F769.	2.7	10
35	In Vivo NMR Studies of the Brain with Hereditary or Acquired Metabolic Disorders. <i>Neurochemical Research</i> , 2015, 40, 2647-2685.	3.3	9
36	Chronic fetal hypoxia affects axonal maturation in guinea pigs during development: A longitudinal diffusion tensor imaging and $^1\text{H}$ MRS mapping study. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 658-665.	3.4	12

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37	Dairy intake is associated with brain glutathione concentration in older adults. American Journal of Clinical Nutrition, 2015, 101, 287-293.	4.7	31
38	Combining hard and soft magnetism into a single core-shell nanoparticle to achieve both hyperthermia and image contrast. Therapeutic Delivery, 2015, 6, 1195-1210.	2.2	5
39	Computationally Efficient Magnetic Resonance Imaging Based Surface Contact Modeling as a Tool to Evaluate Joint Injuries and Outcomes of Surgical Interventions Compared to Finite Element Modeling. Journal of Biomechanical Engineering, 2014, 136, .	1.3	11
40	Handgrip-Related Activation in the Primary Motor Cortex Relates to Underlying Neuronal Metabolism After Stroke. Neurorehabilitation and Neural Repair, 2014, 28, 433-442.	2.9	13
41	Metabolism Changes During Aging in the Hippocampus and Striatum of Glut1 (Glutamate) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5	3.3	11
42	Validation of radiocarpal joint contact models based on images from a clinical MRI scanner. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 378-387.	1.6	19
43	High-field proton magnetic resonance spectroscopy reveals metabolic effects of normal brain aging. Neurobiology of Aging, 2014, 35, 1686-1694.	3.1	60
44	Doubly selective multiple quantum chemical shift imaging and $T_1$ relaxation time measurement of glutathione (GSH) in the human brain <i>in vivo</i> . NMR in Biomedicine, 2013, 26, 28-34.	2.8	28
45	Effectiveness of surgical reconstruction to restore radiocarpal joint mechanics after scapholunate ligament injury: An <i>in vivo</i> modeling study. Journal of Biomechanics, 2013, 46, 1548-1553.	2.1	8
46	Cerebral blood volume MRI with intravascular superparamagnetic iron oxide nanoparticles. NMR in Biomedicine, 2013, 26, 949-962.	2.8	114
47	Motor and Premotor Cortices in Subcortical Stroke. Neurorehabilitation and Neural Repair, 2013, 27, 411-420.	2.9	20
48	Scapholunate ligament injury adversely alters <i>in vivo</i> wrist joint mechanics: An MRI-based modeling study. Journal of Orthopaedic Research, 2013, 31, 1455-1460.	2.3	16
49	In Vivo Biomechanics of Thumb Carpometacarpal Joint: A Preliminary Study of Gender Differences. , 2013, , .		1
50	Finite Element Analysis of In Vivo Radiocarpal Contact Mechanics Resulting From Scapholunate Ligament Injury. , 2012, , .		0
51	Altered Neurochemical Profile after Traumatic Brain Injury: $^1\text{H}$ -MRS Biomarkers of Pathological Mechanisms. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 2122-2134.	4.3	107
52	Suppression of EAE and prevention of blood-brain barrier breakdown after vaccination with novel bifunctional peptide inhibitor. Neuropharmacology, 2012, 62, 1874-1881.	4.1	28
53	Effects of acute and chronic hyperglycemia on the neurochemical profiles in the rat brain with streptozotocin-induced diabetes detected using <i>in vivo</i> $^1\text{H}$ MR spectroscopy at 9.4 T. Journal of Neurochemistry, 2012, 121, 407-417.	3.9	51
54	Effects of aging on blood brain barrier and matrix metalloproteases following controlled cortical impact in mice. Experimental Neurology, 2012, 234, 50-61.	4.1	59

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55	Neuronalâ€“glial alterations in non-primary motor areas in chronic subcortical stroke. Brain Research, 2012, 1463, 75-84.	2.2	12
56	In Vivo Evaluation of Wrist Cartilage Integrity Using T2 Relaxation Time After Scapholunate Ligament Injury and Surgical Repair. , 2012, , .		0
57	Quantitative in vivo measurement of early axonal transport deficits in a triple transgenic mouse model of Alzheimer's disease using manganese-enhanced MRI. NeuroImage, 2011, 56, 1286-1292.	4.2	57
58	Alternate day fasting impacts the brain insulinâ€“signaling pathway of young adult male C57BL/6 mice. Journal of Neurochemistry, 2011, 117, 154-163.	3.9	15
59	Iron deposition is independent of cellular inflammation in a cerebral model of multiple sclerosis. BMC Neuroscience, 2011, 12, 59.	1.9	38
60	Primary Motor Cortex in Stroke. Stroke, 2011, 42, 1004-1009.	2.0	44