Leo L Cheng

List of Publications by Year
in descending order

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38 papers	1,222 citations	394286 19 h-index	395590 33 g-index
40 all docs	40 docs citations	40 times ranked	1571 citing authors

#	Article	IF	Citations
1	Enhanced resolution of proton NMR spectra of malignant lymph nodes using magic-angle spinning. Magnetic Resonance in Medicine, 1996, 36, 653-658.	1.9	189
2	Metabolic Characterization of Human Prostate Cancer with Tissue Magnetic Resonance Spectroscopy. Cancer Research, 2005, 65, 3030-3034.	0.4	151
3	Metabolomic Characterization of Human Rectal Adenocarcinoma with Intact Tissue Magnetic Resonance Spectroscopy. Diseases of the Colon and Rectum, 2009, 52, 520-525.	0.7	122
4	Cancer metabolomic markers in urine: evidence, techniques and recommendations. Nature Reviews Urology, 2019, 16, 339-362.	1.9	99
5	Proton high-resolution magic angle spinning NMR analysis of fresh and previously frozen tissue of human prostate. Magnetic Resonance in Medicine, 2003, 50, 1307-1311.	1.9	48
6	Quantitative Pathology in Tissue MR Spectroscopy Based Human Prostate Metabolomics. Technology in Cancer Research and Treatment, 2004, 3, 591-598.	0.8	45
7	Metabolomic Imaging for Human Prostate Cancer Detection. Science Translational Medicine, 2010, 2, 16ra8.	5.8	44
8	Magnetic resonance imaging surrogates of molecular subgroups in atypical teratoid/rhabdoid tumor. Neuro-Oncology, 2018, 20, 1672-1679.	0.6	40
9	Metabolomic Prediction of Human Prostate Cancer Aggressiveness: Magnetic Resonance Spectroscopy of Histologically Benign Tissue. Scientific Reports, 2018, 8, 4997.	1.6	39
10	Retrospective analysis of prostate cancer recurrence potential with tissue metabolomic profiles. Prostate, 2010, 70, 710-717.	1.2	38
11	Reduction of spinning sidebands in proton NMR of human prostate tissue with slow high-resolution magic angle spinning. Magnetic Resonance in Medicine, 2005, 54, 34-42.	1.9	35
12	NMR Spectroscopy in Î² Cell Engineering and Islet Transplantation. Annals of the New York Academy of Sciences, 2001, 944, 96-119.	1.8	35
13	Evaluation of Cancer Metabolomics Using ex vivo High Resolution Magic Angle Spinning (HRMAS) Magnetic Resonance Spectroscopy (MRS). Metabolites, 2016, 6, 11.	1.3	34
14	Applications of highâ€resolution magic angle spinning MRS in biomedical studies Iâ€”cell line and animal models. NMR in Biomedicine, 2017, 30, e3700.	1.6	29
15	Applications of highâ€resolution magic angle spinning MRS in biomedical studies IIâ€”Human diseases. NMR in Biomedicine, 2017, 30, e3784.	1.6	27
16	MRI Phenotype of RELA-fused Pediatric Supratentorial Ependymoma. Clinical Neuroradiology, 2019, 29, 595-604.	1.0	26
17	Application of Magnetic-Resonance-Spectroscopy- Based Metabolomics to the Fine-Needle Aspiration Diagnosis of Papillary Thyroid Carcinoma. Acta Cytologica, 2011, 55, 584-589.	0.7	24
18	Evaluation of Tissue Metabolites with High Resolution Magic Angle Spinning MR Spectroscopy Human Prostate Samples after Three-Year Storage at â€“80 Â°C. Biomarker Insights, 2007, 2, 117727190700200.	1.0	23

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19	Magnetic Resonance Spectroscopy-based Metabolomic Biomarkers for Typing, Staging, and Survival Estimation of Early-Stage Human Lung Cancer. Scientific Reports, 2019, 9, 10319.	1.6	23
20	Screening human lung cancer with predictive models of serum magnetic resonance spectroscopy metabolomics. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	20
21	Prostate cancer diagnosis and characterization with mass spectrometry imaging. Prostate Cancer and Prostatic Diseases, 2018, 21, 297-305.	2.0	19
22	High-Resolution Magic Angle Spinning (HRMAS) NMR Methods in Metabolomics. Methods in Molecular Biology, 2019, 2037, 49-67.	0.4	17
23	Metabolomic prostate cancer fields in HRMAS MRSâ€profiled histologically benign tissue vary with cancer status and distance from cancer. NMR in Biomedicine, 2019, 32, e4038.	1.6	16
24	Do prisoners trust the healthcare system?. Health and Justice, 2021, 9, 15.	0.9	15
25	Evaluation of Tissue Metabolites with High Resolution Magic Angle Spinning MR Spectroscopy Human Prostate Samples After Three-Year Storage at -80 degrees C. Biomarker Insights, 2007, 2, 147-54.	1.0	14
26	The Role of NMR-based Metabolomics in Cancerâ€ƒâ€ƒNote: We thank Kate Jordan for editorial assistance. L.L.C. is partially supported by grants: PHS/NIH CA095624 and DOD W81XWH-04â€“1-0190.. , 2007, , 345-374.		9
27	Dysregulated Alanine as a Potential Predictive Marker of Gliomaâ€”An Insight from Untargeted HRMAS-NMR and Machine Learning Data. Metabolites, 2021, 11, 507.	1.3	9
28	Magnetic Resonance Imaging Characteristics of Molecular Subgroups in Pediatric H3ÂK27M Mutant Diffuse Midline Glioma. Clinical Neuroradiology, 2022, 32, 249-258.	1.0	8
29	Highâ€resolution magic angle spinning NMR for intact biological specimen analysis: Initial discovery, recent developments, and future directions. NMR in Biomedicine, 2023, 36, e4684.	1.6	7
30	A Nuclear Magnetic Resonance Spectroscopy Method in Characterization of Blood Metabolomics for Alzheimerâ€™s Disease. Metabolites, 2022, 12, 181.	1.3	5
31	Multiplatform Metabolomics Studies of Human Cancers With NMR and Mass Spectrometry Imaging. Frontiers in Molecular Biosciences, 2022, 9, 785232.	1.6	5
32	Total ice content and lipid saturation determine adipose tissue cryolipolysis by injection of iceâ€slurry. Lasers in Surgery and Medicine, 2023, 55, 116-125.	1.1	3
33	High Resolution Magic Angle Spinning Proton NMR Study of Alzheimerâ€™s Disease with Mouse Models. Metabolites, 2022, 12, 253.	1.3	2
34	High resolution magic angle spinning MRS in prostate cancer. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, , 1.	1.1	1
35	Response to re: Metabolomic prostate cancer fields in HRMAS MRSâ€profiled histologically benign tissue vary with cancer status and distance from cancer. Dinges et al., NBM 2019. NMR in Biomedicine, 2019, 32, e4120.	1.6	0
36	Using high-resolution magic angle spinning magnetic resonance spectroscopy to characterize the metabolomic profile of fat-poor angiomyolipoma and renal cell carcinoma.. Journal of Clinical Oncology, 2020, 38, 711-711.	0.8	0

#	Article	IF	Citations
37	Using high-resolution magic angle spinning magnetic resonance spectroscopy to characterize the metabolomic profile of renal cell carcinoma.. Journal of Clinical Oncology, 2020, 38, 710-710.	0.8	0
38	Abstract 2322: Multiplatform metabolomics studies of human cancers with NMR and mass spectrometry imaging. Cancer Research, 2022, 82, 2322-2322.	0.4	0