May-Britt Tessem

List of Publications by Year
in descending order

43 papers	1,724 citations	279798 23 h-index	289244 40 g-index
48 all docs	48 docs citations	48 times ranked	2686 citing authors

#	Article	IF	Citations
1	Evaluation of lactate and alanine as metabolic biomarkers of prostate cancer using ¹H HRâ€MAS spectroscopy of biopsy tissues. Magnetic Resonance in Medicine, 2008, 60, 510-516.	3.0	189
2	Spermine and Citrate as Metabolic Biomarkers for Assessing Prostate Cancer Aggressiveness. PLoS ONE, 2013, 8, e62375.	2.5	146
3	Magnetic Resonance Metabolomics of Intact Tissue: A Biotechnological Tool in Cancer Diagnostics and Treatment Evaluation: Figure 1.. Cancer Research, 2010, 70, 6692-6696.	0.9	101
4	HR MAS MR Spectroscopy in Metabolic Characterization of Cancer. Current Topics in Medicinal Chemistry, 2011, 11, 2-26.	2.1	86
5	High-resolution magic angle spinning (HR MAS) MR spectroscopy in metabolic characterization of human cancer. Progress in Nuclear Magnetic Resonance Spectroscopy, 2009, 54, 239-254.	7.5	82
6	Metabolic markers in blood can separate prostate cancer from benign prostatic hyperplasia. British Journal of Cancer, 2015, 113, 1712-1719.	6.4	82
7	Changes in Gene Transcription Underlying the Aberrant Citrate and Choline Metabolism in Human Prostate Cancer Samples. Clinical Cancer Research, 2012, 18, 3261-3269.	7.0	72
8	Peripheral Zone Prostate Cancer Localization by Multiparametric Magnetic Resonance at 3 T. Investigative Radiology, 2012, 47, 624-633.	6.2	67
9	Spatial differentiation of metabolism in prostate cancer tissue by MALDI-TOF MSI. Cancer & Metabolism, 2021, 9, 9.	5.0	62
10	18F-Fluciclovine PET/MRI for preoperative lymph node staging in high-risk prostate cancer patients. European Radiology, 2018, 28, 3151-3159.	4.5	59
11	A novel non-canonical Wnt signature for prostate cancer aggressiveness. Oncotarget, 2017, 8, 9572-9586.	1.8	59
12	Integrative metabolic and transcriptomic profiling of prostate cancer tissue containing reactive stroma. Scientific Reports, 2018, 8, 14269.	3.3	52
13	Alignment of high resolution magic angle spinning magnetic resonance spectra using warping methods. Analytica Chimica Acta, 2010, 683, 1-11.	5.4	48
14	Spatially matched in vivo and ex vivo MR metabolic profiles of prostate cancer â€“ investigation of a correlation with Gleason score. NMR in Biomedicine, 2013, 26, 600-606.	2.8	46
15	Discrimination of Patients with Microsatellite Instability Colon Cancer using 1H HR MAS MR Spectroscopy and Chemometric Analysis. Journal of Proteome Research, 2010, 9, 3664-3670.	3.7	41
16	A new method to provide a fresh frozen prostate slice suitable for gene expression study and MR spectroscopy. Prostate, 2011, 71, 461-469.	2.3	39
17	Effect of UV-A and UV-B Irradiation on the Metabolic Profile of Aqueous Humor in Rabbits Analyzed by 1H NMR Spectroscopy. Investigative Ophthalmology and Visual Science, 2005, 46, 776-781.	3.3	37
18	Ex vivo metabolic fingerprinting identifies biomarkers predictive of prostate cancer recurrence following radical prostatectomy. British Journal of Cancer, 2017, 117, 1656-1664.	6.4	35

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19	Effect of UVA and UVB Irradiation on the Metabolic Profile of Rabbit Cornea and Lens Analysed by HR-MAS ¹H NMR Spectroscopy. Ophthalmic Research, 2006, 38, 105-114.	1.9	32
20	Simultaneous Detection of Zinc and Its Pathway Metabolites Using MALDI MS Imaging of Prostate Tissue. Analytical Chemistry, 2020, 92, 3171-3179.	6.5	32
21	NMRâ€based metabolomics of biofluids in cancer. NMR in Biomedicine, 2019, 32, e3927.	2.8	29
22	Presence of TMPRSS2-ERG is associated with alterations of the metabolic profile in human prostate cancer. Oncotarget, 0, 7, 42071-42085.	1.8	28
23	Combined ¹⁸F-Fluciclovine PET/MRI Shows Potential for Detection and Characterization of High-Risk Prostate Cancer. Journal of Nuclear Medicine, 2018, 59, 762-768.	5.0	27
24	A PET/MRI study towards finding the optimal [18F]Fluciclovine PET protocol for detection and characterisation of primary prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 695-703.	6.4	25
25	A Balanced Tissue Composition Reveals New Metabolic and Gene Expression Markers in Prostate Cancer. PLoS ONE, 2016, 11, e0153727.	2.5	24
26	SFRP4 gene expression is increased in aggressive prostate cancer. Scientific Reports, 2017, 7, 14276.	3.3	23
27	Identification of metabolites from 2D 1H-13C HSQC NMR using peak correlation plots. BMC Bioinformatics, 2014, 15, 413.	2.6	22
28	The effect of single and repeated UVB radiation on rabbit cornea. Graefe's Archive for Clinical and Experimental Ophthalmology, 2006, 244, 1680-1687.	1.9	21
29	Biological Response in Various Compartments of the Rat Lens after In Vivo Exposure to UVR-B Analyzed by HR-MAS1H NMR Spectroscopy. , 2006, 47, 5404.		20
30	Biochemical changes in selenite cataract model measured by high-resolution MAS 1H NMR spectroscopy. Acta Ophthalmologica, 2006, 84, 684-692.	0.3	20
31	Metabolic alterations in tissues and biofluids of patients with prostate cancer. Current Opinion in Endocrine and Metabolic Research, 2020, 10, 23-28.	1.4	17
32	Gene signatures ESC, MYC and ERG-fusion are early markers of a potentially dangerous subtype of prostate cancer. BMC Medical Genomics, 2014, 7, 50.	1.5	16
33	The effect of sampling procedures and day-to-day variations in metabolomics studies of biofluids. Analytica Chimica Acta, 2019, 1081, 93-102.	5.4	16
34	An optimized MALDI MSI protocol for spatial detection of tryptic peptides in fresh frozen prostate tissue. Proteomics, 2022, 22, e2100223.	2.2	13
35	Cholesterol synthesis pathway genes in prostate cancer are transcriptionally downregulated when tissue confounding is minimized. BMC Cancer, 2018, 18, 478.	2.6	12
36	Tissue Microstructure Is Linked to MRI Parameters and Metabolite Levels in Prostate Cancer. Frontiers in Oncology, 2016, 6, 146.	2.8	10

#	Article	IF	Citations
37	NMR-Based Prostate Cancer Metabolomics. Methods in Molecular Biology, 2018, 1786, 237-257.	0.9	9
38	Detection of Recurrent Prostate Cancer With 18F-Fluciclovine PET/MRI. Frontiers in Oncology, 2020, 10, 582092.	2.8	9
39	Biomarker Discovery Using NMR-Based Metabolomics of Tissue. Methods in Molecular Biology, 2019, 2037, 243-262.	0.9	5
40	Prediction of recurrence from metabolites and expression of TOP2A and EZH2 in prostate cancer patients treated with radiotherapy. NMR in Biomedicine, 2023, 36, e4694.	2.8	4
41	A simple preparation protocol for shipping and storage of tissue sections for laser ablation-inductively coupled plasma-mass spectrometry imaging. Metallomics, 2022, 14, .	2.4	4
42	FunHoP: Enhanced Visualization and Analysis of Functionally Homologous Proteins in Complex Metabolic Networks. Genomics, Proteomics and Bioinformatics, 2021, 19, 848-859.	6.9	2
43	Simultaneous detection of the cancer biomarkers zinc and citrate in prostate cancer tissue using mass spectrometry imaging. European Urology Supplements, 2019, 18, e3101-e3102.	0.1	0