Lynn J Savic

List of Publications by Citations

36 papers	644 citations	12 h-index	25 g-index
39 ext. papers	915 ext. citations	6.6 avg, IF	3.88 L-index

#	Paper	IF	Citations
36	Deep learning for liver tumor diagnosis part I: development of a convolutional neural network classifier for multi-phasic MRI. *European Radiology*, **2019**, 29, 3338-3347	8	104
35	Radiologic-pathologic analysis of contrast-enhanced and diffusion-weighted MR imaging in patients with HCC after TACE: diagnostic accuracy of 3D quantitative image analysis. *Radiology*, **2014**, 273, 746-58	20.5	84
34	Predicting Treatment Response to Intra-arterial Therapies for Hepatocellular Carcinoma with the Use of Supervised Machine Learning-An Artificial Intelligence Concept. *Journal of Vascular and Interventional Radiology*, **2018**, 29, 850-857.e1	2.4	79
33	Deep learning for liver tumor diagnosis part II: convolutional neural network interpretation using radiologic imaging features. *European Radiology*, **2019**, 29, 3348-3357	8	56
32	Early survival prediction after intra-arterial therapies: a 3D quantitative MRI assessment of tumour response after TACE or radioembolization of colorectal cancer metastases to the liver. *European Radiology*, **2015**, 25, 1993-2003	8	50
31	Systemic delivery of microencapsulated 3-bromopyruvate for the therapy of pancreatic cancer. *Clinical Cancer Research*, **2014**, 20, 6406-17	12.9	36
30	Intra-arterial therapy of neuroendocrine tumour liver metastases: comparing conventional TACE, drug-eluting beads TACE and yttrium-90 radioembolisation as treatment options using a propensity score analysis model. *European Radiology*, **2017**, 27, 4995-5005	8	34
29	Intra-arterial embolotherapy for intrahepatic cholangiocarcinoma: update and future prospects. *Hepatobiliary Surgery and Nutrition*, **2017**, 6, 7-21	2.1	26
28	Extracellular pH mapping of liver cancer on a clinical 3T MRI scanner. *Magnetic Resonance in Medicine*, **2020**, 83, 1553-1564	4.4	21
27	Molecular Imaging of Extracellular Tumor pH to Reveal Effects of Locoregional Therapy on Liver Cancer Microenvironment. *Clinical Cancer Research*, **2020**, 26, 428-438	12.9	18
26	Neutrophil-to-lymphocyte and platelet-to-lymphocyte ratios as predictors of tumor response in hepatocellular carcinoma after DEB-TACE. *European Radiology*, **2020**, 30, 5663-5673	8	17
25	Theranostic application of lipiodol for transarterial chemoembolization in a VX2 rabbit liver tumor model. *Theranostics*, **2019**, 9, 3674-3686	12.1	16
24	Targeting glucose metabolism in cancer: new class of agents for loco-regional and systemic therapy of liver cancer and beyond?. *Hepatic Oncology*, **2016**, 3, 19-28	4	12
23	Molecular MRI of the Immuno-Metabolic Interplay in a Rabbit Liver Tumor Model: A Biomarker for Resistance Mechanisms in Tumor-targeted Therapy?. *Radiology*, **2020**, 296, 575-583	20.5	10
22	Primary Neuroendocrine Neoplasms of the Breast: Case Series and Literature Review. *Cancers*, **2020**, 12,	6.6	10
21	Deep learning-assisted differentiation of pathologically proven atypical and typical hepatocellular carcinoma (HCC) versus non-HCC on contrast-enhanced MRI of the liver. *European Radiology*, **2021**, 31, 4981-4990	8	9
20	Three-Dimensional Quantitative Assessment of Uterine Fibroid Response after Uterine Artery Embolization Using Contrast-Enhanced MR Imaging. *Journal of Vascular and Interventional Radiology*, **2015**, 26, 670-678.e2	2.4	8

19	Lipiodol as an Imaging Biomarker of Tumor Response After Conventional Transarterial Chemoembolization: Prospective Clinical Validation in Patients with Primary and Secondary Liver Cancer. *Translational Oncology*, **2020**, 13, 100742	4.9	8
18	Fibronodular hepatocellular carcinoma-a new variant of liver cancer: clinical, pathological and radiological correlation. *Journal of Clinical Pathology*, **2021**, 74, 31-35	3.9	7
17	Quantitative Imaging Biomarkers for Y Distribution on Bremsstrahlung SPECT After Resin-Based Radioembolization. *Journal of Nuclear Medicine*, **2019**, 60, 1066-1072	8.9	6
16	Three-dimensional quantitative assessment of lesion response to MR-guided high-intensity focused ultrasound treatment of uterine fibroids. *Academic Radiology*, **2015**, 22, 1199-205	4.3	6
15	Prospective study of Lipiodol distribution as an imaging marker for doxorubicin pharmacokinetics during conventional transarterial chemoembolization of liver malignancies. *European Radiology*, **2021**, 31, 3002-3014	8	6
14	Quantitative MRI for Assessment of Treatment Outcomes in a Rabbit VX2 Hepatic Tumor Model. *Journal of Magnetic Resonance Imaging*, **2020**, 52, 668-685	5.6	3
13	Predicting Treatment Response to Image-Guided Therapies Using Machine Learning: An Example for Trans-Arterial Treatment of Hepatocellular Carcinoma. *Journal of Visualized Experiments*, **2018**,	1.6	3
12	Lipiodol Deposition and Washout in Primary and Metastatic Liver Tumors After Chemoembolization. *In Vivo*, **2021**, 35, 3261-3270	2.3	2
11	Idarubicin-Loaded ONCOZENE Drug-Eluting Bead Chemoembolization in a Rabbit Liver Tumor Model: Investigating Safety, Therapeutic Efficacy, and Effects on Tumor Microenvironment. *Journal of Vascular and Interventional Radiology*, **2020**, 31, 1706-1716.e1	2.4	2
10	Automated feature quantification of Lipiodol as imaging biomarker to predict therapeutic efficacy of conventional transarterial chemoembolization of liver cancer. *Scientific Reports*, **2020**, 10, 18026	4.9	2
9	Fluorodeoxyglucose PET for Monitoring Response to Embolotherapy (Transarterial Chemoembolization) in Primary and Metastatic Liver Tumors. *PET Clinics*, **2019**, 14, 437-445	2.2	2
8	Reliable prediction of survival in advanced-stage hepatocellular carcinoma treated with sorafenib: comparing 1D and 3D quantitative tumor response criteria on MRI. *European Radiology*, **2021**, 31, 2737-2746	8	2
7	Comparison of metabolic and immunologic responses to transarterial chemoembolization with different chemoembolic regimens in a rabbit VX2 liver tumor model. *European Radiology*, **2021**, 1	8	1
6	A high-throughput imaging platform to characterize extracellular pH in organotypic three-dimensional in vitro models of liver cancer. *NMR in Biomedicine*, **2021**, 34, e4465	4.4	1
5	Optimization of the BCLC Staging System for Locoregional Therapy for Hepatocellular Carcinoma by Using Quantitative Tumor Burden Imaging Biomarkers at MRI.. *Radiology*, **2022**, 212426	20.5	1
4	Hepatic Radiofrequency Ablation: Monitoring of Ablation-Induced Macrophage Recruitment in the Periablational Rim Using SPION-Enhanced Macrophage-Specific Magnetic Resonance Imaging. *Investigative Radiology*, **2021**, 56, 591-598	10.1	0
3	Comparison of intrahepatic progression patterns of hepatocellular carcinoma and colorectal liver metastases following CT-guided high dose-rate brachytherapy. *Therapeutic Advances in Medical Oncology*, **2021**, 13, 17588359211042304	5.4	0
2	Elastin-specific MRI of extracellular matrix-remodelling following hepatic radiofrequency-ablation in a VX2 liver tumor model. *Scientific Reports*, **2021**, 11, 6814	4.9	0

1 Quantification of contrast-uptake as imaging biomarker for disease progression of renal cell carcinoma after tumor ablation. *Acta Radiologica*, **2020**, 61, 1708-1716 2