Amelie M Lutz

List of Publications by Year
in descending order

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53 papers	2,672 citations	201385 27 h-index	182168 51 g-index
54 all docs	54 docs citations	54 times ranked	2954 citing authors

#	Article	IF	Citations
1	Automating Scoliosis Measurements in Radiographic Studies with Machine Learning: Comparing Artificial Intelligence and Clinical Reports. Journal of Digital Imaging, 2022, 35, 524-533.	1.6	7
2	Neuropathy Score Reporting and Data System: A Reporting Guideline for MRI of Peripheral Neuropathy With a Multicenter Validation Study. American Journal of Roentgenology, 2022, 219, 279-291.	1.0	10
3	A robust 3D fast spin-echo technique for fast examination of the brachial plexus. Skeletal Radiology, 2022, 51, 1865-1872.	1.2	2
4	Neuropathy Score Reporting and Data System (NS-RADS): MRI Reporting Guideline of Peripheral Neuropathy Explained and Reviewed. Skeletal Radiology, 2022, 51, 1909-1922.	1.2	9
5	Do not forget the brachial plexusâ€"prevalence of distal brachial plexus pathology on routine shoulder MRI. European Radiology, 2021, 31, 3555-3563.	2.3	0
6	Patient-Reported Outcomes and Knee Mechanics Correlate With Patellofemoral Deep Cartilage UTE-T2* 2 Years After Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2021, 49, 675-683.	1.9	10
7	Using Dual-Energy CT for Painful Hip Arthroplasties. Radiology, 2021, 300, 650-651.	3.6	1
8	Elbow Imaging: Variants and Asymptomatic Findings. Seminars in Musculoskeletal Radiology, 2021, 25, 546-557.	0.4	1
9	Ultrasound and microbubble mediated therapeutic delivery: Underlying mechanisms and future outlook. Journal of Controlled Release, 2020, 326, 75-90.	4.8	129
10	Efficacy of Affibody-Based Ultrasound Molecular Imaging of Vascular B7-H3 for Breast Cancer Detection. Clinical Cancer Research, 2020, 26, 2140-2150.	3.2	23
11	Pharmacokinetic Modeling of Targeted Ultrasound Contrast Agents for Quantitative Assessment of Anti-Angiogenic Therapy: a Longitudinal Case-Control Study in Colon Cancer. Molecular Imaging and Biology, 2019, 21, 633-643.	1.3	9
12	Is it painful to be different? Sciatic nerve anatomical variants on MRI and their relationship to piriformis syndrome. European Radiology, 2018, 28, 4681-4686.	2.3	23
13	Anatomical Road Mapping Using CT and MR Enterography for Ultrasound Molecular Imaging of Small Bowel Inflammation in Swine. European Radiology, 2018, 28, 2068-2076.	2.3	1
14	US Molecular Imaging of Acute Ileitis: Anti-Inflammatory Treatment Response Monitored with Targeted Microbubbles in a Preclinical Model. Radiology, 2018, 289, 90-100.	3.6	9
15	A Model-Based Personalized Cancer Screening Strategy for Detecting Early-Stage Tumors Using Blood-Borne Biomarkers. Cancer Research, 2017, 77, 2570-2584.	0.4	32
16	Detection and prevalence of variant sciatic nerve anatomy in relation to the piriformis muscle on MRI. Skeletal Radiology, 2017, 46, 751-757.	1.2	30
17	Early prediction of tumor response to bevacizumab treatment in murine colon cancer models using three-dimensional dynamic contrast-enhanced ultrasound imaging. Angiogenesis, 2017, 20, 547-555.	3.7	26
18	Intra-Animal Comparison between Three-dimensional Molecularly Targeted US and Three-dimensional Dynamic Contrast-enhanced US for Early Antiangiogenic Treatment Assessment in Colon Cancer. Radiology, 2017, 282, 443-452.	3.6	25

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19	Ultrasound Molecular Imaging With BR55 in Patients With Breast and Ovarian Lesions: First-in-Human Results. Journal of Clinical Oncology, 2017, 35, 2133-2140.	0.8	178
20	VEGFR2-Targeted Three-Dimensional Ultrasound Imaging Can Predict Responses to Antiangiogenic Therapy in Preclinical Models of Colon Cancer. Cancer Research, 2016, 76, 4081-4089.	0.4	38
21	Breast Cancer Detection by B7-H3â€“Targeted Ultrasound Molecular Imaging. Cancer Research, 2015, 75, 2501-2509.	0.4	90
22	Detection of Osseous Metastasis by 18F-NaF/18F-FDG PET/CT Versus CT Alone. Clinical Nuclear Medicine, 2015, 40, e173-e177.	0.7	21
23	Quantitative Assessment of Inflammation in a Porcine Acute Terminal Ileitis Model: US with a Molecularly Targeted Contrast Agent. Radiology, 2015, 276, 809-817.	3.6	29
24	MR Imaging of the Brachial Plexus. Neuroimaging Clinics of North America, 2014, 24, 91-108.	0.5	41
25	Ultrasound Molecular Imaging in a Human CD276 Expressionâ€“Modulated Murine Ovarian Cancer Model. Clinical Cancer Research, 2014, 20, 1313-1322.	3.2	39
26	Detection of Pancreatic Ductal Adenocarcinoma in Mice by Ultrasound Imaging of Thymocyte Differentiation Antigen 1. Gastroenterology, 2013, 145, 885-894.e3.	0.6	63
27	Molecular Imaging of Inflammation in Inflammatory Bowel Disease with a Clinically Translatable Dual-Selectinâ€“targeted US Contrast Agent: Comparison with FDG PET/CT in a Mouse Model. Radiology, 2013, 267, 818-829.	3.6	60
28	Earlier Detection of Breast Cancer with Ultrasound Molecular Imaging in a Transgenic Mouse Model. Cancer Research, 2013, 73, 1689-1698.	0.4	85
29	Quantification and Monitoring of Inflammation in Murine Inflammatory Bowel Disease with Targeted Contrast-enhanced US. Radiology, 2012, 262, 172-180.	3.6	71
30	Antiangiogenic and Radiation Therapy. Investigative Radiology, 2012, 47, 25-32.	3.5	40
31	Early Diagnosis of Ovarian Carcinoma: Is a Solution in Sight?. Radiology, 2011, 259, 329-345.	3.6	82
32	Targeted Contrast-Enhanced Ultrasound Imaging of Tumor Angiogenesis with Contrast Microbubbles Conjugated to Integrin-Binding Knottin Peptides. Journal of Nuclear Medicine, 2010, 51, 433-440.	2.8	156
33	Focal Liver Lesions: Detection and Characterization at Double-Contrast Liver MR Imaging with Ferucarbotran and Gadobutrol versus Single-Contrast Liver MR Imaging. Radiology, 2009, 253, 724-733.	3.6	23
34	Imaging Gene Expression in Human Mesenchymal Stem Cells: From Small to Large Animals. Radiology, 2009, 252, 117-127.	3.6	83
35	MR angiography with parallel acquisition for assessment of the visceral arteries: comparison with conventional MR angiography and 64-detector-row computed tomography. European Radiology, 2009, 19, 2679-2688.	2.3	3
36	US Imaging of Tumor Angiogenesis with Microbubbles Targeted to Vascular Endothelial Growth Factor Receptor Type 2 in Mice. Radiology, 2008, 246, 508-518.	3.6	293

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37	Cancer Screening: A Mathematical Model Relating Secreted Blood Biomarker Levels to Tumor Sizes. PLoS Medicine, 2008, 5, e170.	3.9	67
38	Targeted Microbubbles for Imaging Tumor Angiogenesis: Assessment of Whole-Body Biodistribution with Dynamic Micro-PET in Mice. Radiology, 2008, 249, 212-219.	3.6	175
39	Dual-targeted Contrast Agent for US Assessment of Tumor Angiogenesis in Vivo. Radiology, 2008, 248, 936-944.	3.6	206
40	Assessment of Aortoiliac and Renal Arteries: MR Angiography with Parallel Acquisition versus Conventional MR Angiography and Digital Subtraction Angiography. Radiology, 2007, 245, 276-284.	3.6	12
41	Mapping of Hepatic Vascular Anatomy: Dynamic Contrast-enhanced Parallel MR Imaging Compared with 64â€“Detector Row CT. Radiology, 2007, 245, 872-880.	3.6	26
42	Prospective intraindividual comparison between respiratory-triggered balanced steady-state free precession and breath-hold gradient-echo and time-of-flight magnetic resonance imaging for assessment of portal and hepatic veins. European Radiology, 2007, 17, 229-240.	2.3	3
43	Assessment of the abdominal aorta and its visceral branches by contrast-enhanced dynamic volumetric hepatic parallel magnetic resonance imaging: feasibility, reliability and accuracy. European Radiology, 2007, 17, 541-551.	2.3	10
44	USPIO-enhanced MR imaging for visualization of synovial hyperperfusion and detection of synovial macrophages: Preliminary results in an experimental model of antigen-induced arthritis. Journal of Magnetic Resonance Imaging, 2006, 24, 657-666.	1.9	16
45	Characteristics of Displaceable and Nondisplaceable Meniscal Tears at Kinematic MR Imaging of the Knee. Radiology, 2006, 238, 221-231.	3.6	44
46	Imaging of Macrophages in Soft-Tissue Infection in Rats: Relationship between Ultrasmall Superparamagnetic Iron Oxide Dose and MR Signal Characteristics. Radiology, 2005, 234, 765-775.	3.6	49
47	Hepatocellular Carcinoma in Cirrhosis: Enhancement Patterns at Dynamic Gadolinium- and Superparamagnetic Iron Oxideâ€“enhanced T1-weighted MR Imaging. Radiology, 2005, 237, 520-528.	3.6	60
48	Detection of Synovial Macrophages in an Experimental Rabbit Model of Antigen-induced Arthritis: Ultrasmall Superparamagnetic Iron Oxideâ€“enhanced MR Imaging. Radiology, 2004, 233, 149-157.	3.6	77
49	Assessment of skeletal muscle perfusion by contrast medium first-pass magnetic resonance imaging: Technical feasibility and preliminary experience in healthy volunteers. Journal of Magnetic Resonance Imaging, 2004, 20, 111-121.	1.9	32
50	MR Imaging of the Knee. Investigative Radiology, 2004, 39, 254-263.	3.5	72
51	Evaluation of aortoiliac aneurysm before endovascular repair: Comparison of contrast-enhanced magnetic resonance angiography with multidetector row computed tomographic angiography with an automated analysis software tool. Journal of Vascular Surgery, 2003, 37, 619-627.	0.6	54
52	Worsening enterocolitis in neonates: diagnosis by CT examination of urine after enteral administration of iohexol. Pediatric Radiology, 1999, 29, 95-99.	1.1	10
53	Systemic spread of meconium peritonitis. Pediatric Radiology, 1998, 28, 714-716.	1.1	13