

# 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	US Imaging of Tumor Angiogenesis with Microbubbles Targeted to Vascular Endothelial Growth Factor Receptor Type 2 in Mice. <i>Radiology</i> , 2008, 246, 508-518.	3.6	293
2	Dual-targeted Contrast Agent for US Assessment of Tumor Angiogenesis in Vivo. <i>Radiology</i> , 2008, 248, 936-944.	3.6	206
3	Ultrasound Molecular Imaging With BR55 in Patients With Breast and Ovarian Lesions: First-in-Human Results. <i>Journal of Clinical Oncology</i> , 2017, 35, 2133-2140.	0.8	178
4	Targeted Microbubbles for Imaging Tumor Angiogenesis: Assessment of Whole-Body Biodistribution with Dynamic Micro-PET in Mice. <i>Radiology</i> , 2008, 249, 212-219.	3.6	175
5	Targeted Contrast-Enhanced Ultrasound Imaging of Tumor Angiogenesis with Contrast Microbubbles Conjugated to Integrin-Binding Knottin Peptides. <i>Journal of Nuclear Medicine</i> , 2010, 51, 433-440.	2.8	156
6	Ultrasound and microbubble mediated therapeutic delivery: Underlying mechanisms and future outlook. <i>Journal of Controlled Release</i> , 2020, 326, 75-90.	4.8	129
7	Breast Cancer Detection by B7-H3-Targeted Ultrasound Molecular Imaging. <i>Cancer Research</i> , 2015, 75, 2501-2509.	0.4	90
8	Earlier Detection of Breast Cancer with Ultrasound Molecular Imaging in a Transgenic Mouse Model. <i>Cancer Research</i> , 2013, 73, 1689-1698.	0.4	85
9	Imaging Gene Expression in Human Mesenchymal Stem Cells: From Small to Large Animals. <i>Radiology</i> , 2009, 252, 117-127.	3.6	83
10	Early Diagnosis of Ovarian Carcinoma: Is a Solution in Sight?. <i>Radiology</i> , 2011, 259, 329-345.	3.6	82
11	Detection of Synovial Macrophages in an Experimental Rabbit Model of Antigen-induced Arthritis: Ultrasmall Superparamagnetic Iron Oxide-enhanced MR Imaging. <i>Radiology</i> , 2004, 233, 149-157.	3.6	77
12	MR Imaging of the Knee. <i>Investigative Radiology</i> , 2004, 39, 254-263.	3.5	72
13	Quantification and Monitoring of Inflammation in Murine Inflammatory Bowel Disease with Targeted Contrast-enhanced US. <i>Radiology</i> , 2012, 262, 172-180.	3.6	71
14	Cancer Screening: A Mathematical Model Relating Secreted Blood Biomarker Levels to Tumor Sizes. <i>PLoS Medicine</i> , 2008, 5, e170.	3.9	67
15	Detection of Pancreatic Ductal Adenocarcinoma in Mice by Ultrasound Imaging of Thymocyte Differentiation Antigen 1. <i>Gastroenterology</i> , 2013, 145, 885-894.e3.	0.6	63
16	Hepatocellular Carcinoma in Cirrhosis: Enhancement Patterns at Dynamic Gadolinium- and Superparamagnetic Iron Oxide-enhanced T1-weighted MR Imaging. <i>Radiology</i> , 2005, 237, 520-528.	3.6	60
17	Molecular Imaging of Inflammation in Inflammatory Bowel Disease with a Clinically Translatable Dual-Selectin-targeted US Contrast Agent: Comparison with FDG PET/CT in a Mouse Model. <i>Radiology</i> , 2013, 267, 818-829.	3.6	60
18	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. <i>Journal of Vascular Surgery</i> , 2003, 37, 619-627.	0.6	54

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19	Imaging of Macrophages in Soft-Tissue Infection in Rats: Relationship between Ultrasmall Superparamagnetic Iron Oxide Dose and MR Signal Characteristics. <i>Radiology</i> , 2005, 234, 765-775.	3.6	49
20	Characteristics of Displaceable and Nondisplaceable Meniscal Tears at Kinematic MR Imaging of the Knee. <i>Radiology</i> , 2006, 238, 221-231.	3.6	44
21	MR Imaging of the Brachial Plexus. <i>Neuroimaging Clinics of North America</i> , 2014, 24, 91-108.	0.5	41
22	Antiangiogenic and Radiation Therapy. <i>Investigative Radiology</i> , 2012, 47, 25-32.	3.5	40
23	Ultrasound Molecular Imaging in a Human CD276 Expression-Modulated Murine Ovarian Cancer Model. <i>Clinical Cancer Research</i> , 2014, 20, 1313-1322.	3.2	39
24	VEGFR2-Targeted Three-Dimensional Ultrasound Imaging Can Predict Responses to Antiangiogenic Therapy in Preclinical Models of Colon Cancer. <i>Cancer Research</i> , 2016, 76, 4081-4089.	0.4	38
25	Assessment of skeletal muscle perfusion by contrast medium first-pass magnetic resonance imaging: Technical feasibility and preliminary experience in healthy volunteers. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 111-121.	1.9	32
26	A Model-Based Personalized Cancer Screening Strategy for Detecting Early-Stage Tumors Using Blood-Borne Biomarkers. <i>Cancer Research</i> , 2017, 77, 2570-2584.	0.4	32
27	Detection and prevalence of variant sciatic nerve anatomy in relation to the piriformis muscle on MRI. <i>Skeletal Radiology</i> , 2017, 46, 751-757.	1.2	30
28	Quantitative Assessment of Inflammation in a Porcine Acute Terminal Ileitis Model: US with a Molecularly Targeted Contrast Agent. <i>Radiology</i> , 2015, 276, 809-817.	3.6	29
29	Mapping of Hepatic Vascular Anatomy: Dynamic Contrast-enhanced Parallel MR Imaging Compared with 64-Row CT. <i>Radiology</i> , 2007, 245, 872-880.	3.6	26
30	Early prediction of tumor response to bevacizumab treatment in murine colon cancer models using three-dimensional dynamic contrast-enhanced ultrasound imaging. <i>Angiogenesis</i> , 2017, 20, 547-555.	3.7	26
31	Intra-Animal Comparison between Three-dimensional Molecularly Targeted US and Three-dimensional Dynamic Contrast-enhanced US for Early Antiangiogenic Treatment Assessment in Colon Cancer. <i>Radiology</i> , 2017, 282, 443-452.	3.6	25
32	Focal Liver Lesions: Detection and Characterization at Double-Contrast Liver MR Imaging with Ferucarbotran and Gadobutrol versus Single-Contrast Liver MR Imaging. <i>Radiology</i> , 2009, 253, 724-733.	3.6	23
33	Is it painful to be different? Sciatic nerve anatomical variants on MRI and their relationship to piriformis syndrome. <i>European Radiology</i> , 2018, 28, 4681-4686.	2.3	23
34	Efficacy of Affibody-Based Ultrasound Molecular Imaging of Vascular B7-H3 for Breast Cancer Detection. <i>Clinical Cancer Research</i> , 2020, 26, 2140-2150.	3.2	23
35	Detection of Osseous Metastasis by 18F-NaF/18F-FDG PET/CT Versus CT Alone. <i>Clinical Nuclear Medicine</i> , 2015, 40, e173-e177.	0.7	21
36	USPIO-enhanced MR imaging for visualization of synovial hyperperfusion and detection of synovial macrophages: Preliminary results in an experimental model of antigen-induced arthritis. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 657-666.	1.9	16

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37	Systemic spread of meconium peritonitis. <i>Pediatric Radiology</i> , 1998, 28, 714-716.	1.1	13
38	Assessment of Aortoiliac and Renal Arteries: MR Angiography with Parallel Acquisition versus Conventional MR Angiography and Digital Subtraction Angiography. <i>Radiology</i> , 2007, 245, 276-284.	3.6	12
39	Worsening enterocolitis in neonates: diagnosis by CT examination of urine after enteral administration of iohexol. <i>Pediatric Radiology</i> , 1999, 29, 95-99.	1.1	10
40	Assessment of the abdominal aorta and its visceral branches by contrast-enhanced dynamic volumetric hepatic parallel magnetic resonance imaging: feasibility, reliability and accuracy. <i>European Radiology</i> , 2007, 17, 541-551.	2.3	10
41	Patient-Reported Outcomes and Knee Mechanics Correlate With Patellofemoral Deep Cartilage UTE-T2* 2 Years After Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2021, 49, 675-683.	1.9	10
42	Neuropathy Score Reporting and Data System: A Reporting Guideline for MRI of Peripheral Neuropathy With a Multicenter Validation Study. <i>American Journal of Roentgenology</i> , 2022, 219, 279-291.	1.0	10
43	US Molecular Imaging of Acute Ileitis: Anti-Inflammatory Treatment Response Monitored with Targeted Microbubbles in a Preclinical Model. <i>Radiology</i> , 2018, 289, 90-100.	3.6	9
44	Pharmacokinetic Modeling of Targeted Ultrasound Contrast Agents for Quantitative Assessment of Anti-Angiogenic Therapy: a Longitudinal Case-Control Study in Colon Cancer. <i>Molecular Imaging and Biology</i> , 2019, 21, 633-643.	1.3	9
45	Neuropathy Score Reporting and Data System (NS-RADS): MRI Reporting Guideline of Peripheral Neuropathy Explained and Reviewed. <i>Skeletal Radiology</i> , 2022, 51, 1909-1922.	1.2	9
46	Automating Scoliosis Measurements in Radiographic Studies with Machine Learning: Comparing Artificial Intelligence and Clinical Reports. <i>Journal of Digital Imaging</i> , 2022, 35, 524-533.	1.6	7
47	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. <i>European Radiology</i> , 2007, 17, 229-240.	2.3	3
48	MR angiography with parallel acquisition for assessment of the visceral arteries: comparison with conventional MR angiography and 64-detector-row computed tomography. <i>European Radiology</i> , 2009, 19, 2679-2688.	2.3	3
49	A robust 3D fast spin-echo technique for fast examination of the brachial plexus. <i>Skeletal Radiology</i> , 2022, 51, 1865-1872.	1.2	2
50	Anatomical Road Mapping Using CT and MR Enterography for Ultrasound Molecular Imaging of Small Bowel Inflammation in Swine. <i>European Radiology</i> , 2018, 28, 2068-2076.	2.3	1
51	Using Dual-Energy CT for Painful Hip Arthroplasties. <i>Radiology</i> , 2021, 300, 650-651.	3.6	1
52	Elbow Imaging: Variants and Asymptomatic Findings. <i>Seminars in Musculoskeletal Radiology</i> , 2021, 25, 546-557.	0.4	1
53	Do not forget the brachial plexusâ€™ prevalence of distal brachial plexus pathology on routine shoulder MRI. <i>European Radiology</i> , 2021, 31, 3555-3563.	2.3	0