Adam C Searleman

List of Publications by Year in Descending Order

30 papers	**1,868** citations
15 h-index	**31** g-index
31 ext. papers	**2,211** ext. citations
8.8 avg, IF	**4.1** L-index

#	Paper	IF	Citations
30	AcidoCEST-UTE MRI Reveals an Acidic Microenvironment in Knee Osteoarthritis.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	1
29	Taspase1 orchestrates fetal liver hematopoietic stem cell and vertebrae fates by cleaving TFIIA. *JCI Insight*, **2021**, 6,	9.9	1
28	Incidental Liver Findings on Cross-sectional Imaging. *Radiologic Clinics of North America*, **2021**, 59, 569-590.	2.3	
27	Evaluation of enzymatic proteoglycan loss and collagen degradation in human articular cartilage using ultrashort echo time-based biomarkers: A feasibility study.. *NMR in Biomedicine*, **2021**, e4664	4.4	0
26	Inversion recovery zero echo time (IR-ZTE) imaging for direct myelin detection in human brain: a feasibility study. *Quantitative Imaging in Medicine and Surgery*, **2020**, 10, 895-906	3.6	5
25	Whole-Brain Myelin Imaging Using 3D Double-Echo Sliding Inversion Recovery Ultrashort Echo Time (DESIRE UTE) MRI. *Radiology*, **2020**, 294, 362-374	20.5	16
24	Fast quantitative three-dimensional ultrashort echo time (UTE) Cones magnetic resonance imaging of major tissues in the knee joint using extended sprial sampling. *NMR in Biomedicine*, **2020**, 33, e4376	4.4	1
23	Volumetric imaging of myelin in vivo using 3D inversion recovery-prepared ultrashort echo time cones magnetic resonance imaging. *NMR in Biomedicine*, **2020**, 33, e4326	4.4	2
22	Inversion recovery UTE based volumetric myelin imaging in human brain using interleaved hybrid encoding. *Magnetic Resonance in Medicine*, **2020**, 83, 950-961	4.4	8
21	Volumetric mapping of bound and pore water as well as collagen protons in cortical bone using 3D ultrashort echo time cones MR imaging techniques. *Bone*, **2019**, 127, 120-128	4.7	19
20	Ultrashort echo time magnetic resonance imaging (UTE-MRI) of cortical bone correlates well with histomorphometric assessment of bone microstructure. *Bone*, **2019**, 123, 8-17	4.7	27
19	Assessment of an in vitro model of rotator cuff degeneration using quantitative magnetic resonance and ultrasound imaging with biochemical and histological correlation. *European Journal of Radiology*, **2019**, 121, 108706	4.7	3
18	Fast quantitative 3D ultrashort echo time MRI of cortical bone using extended cones sampling. *Magnetic Resonance in Medicine*, **2019**, 82, 225-236	4.4	20
17	Whole knee joint T values measured in vivo at 3T by combined 3D ultrashort echo time cones actual flip angle and variable flip angle methods. *Magnetic Resonance in Medicine*, **2019**, 81, 1634-1644	4.4	30
16	True phase quantitative susceptibility mapping using continuous single-point imaging: a feasibility study. *Magnetic Resonance in Medicine*, **2019**, 81, 1907-1914	4.4	12
15	Collagen proton fraction from ultrashort echo time magnetization transfer (UTE-MT) MRI modelling correlates significantly with cortical bone porosity measured with micro-computed tomography (μCT). *NMR in Biomedicine*, **2019**, 32, e4045	4.4	19
14	3D adiabatic T prepared ultrashort echo time cones sequence for whole knee imaging. *Magnetic Resonance in Medicine*, **2018**, 80, 1429-1439	4.4	30

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13	Yet more evidence that myelin protons can be directly imaged with UTE sequences on a clinical 3T scanner: Bicomponent T2* analysis of native and deuterated ovine brain specimens. *Magnetic Resonance in Medicine*, **2018**, 80, 538-547	4.4	17
12	Simultaneous quantitative susceptibility mapping (QSM) and R2* for high iron concentration quantification with 3D ultrashort echo time sequences: An echo dependence study. *Magnetic Resonance in Medicine*, **2018**, 79, 2315-2322	4.4	16
11	Interpretive Differences Between Patients and Radiologists Regarding the Diagnostic Confidence Associated With Commonly Used Phrases in the Radiology Report. *American Journal of Roentgenology*, **2018**, 210, 123-126	5.4	14
10	HER2 activating mutations are targets for colorectal cancer treatment. *Cancer Discovery*, **2015**, 5, 832-41	24.4	178
9	Statistically identifying tumor suppressors and oncogenes from pan-cancer genome-sequencing data. *Bioinformatics*, **2015**, 31, 3561-8	7.2	30
8	Taspase1-dependent TFIIA cleavage coordinates head morphogenesis by limiting Cdkn2a locus transcription. *Journal of Clinical Investigation*, **2015**, 125, 1203-14	15.9	15
7	Tissue phosphoproteomics with PolyMAC identifies potential therapeutic targets in a transgenic mouse model of HER2 positive breast cancer. *Electrophoresis*, **2014**, 35, 3463-9	3.6	10
6	Activating HER2 mutations in HER2 gene amplification negative breast cancer. *Cancer Discovery*, **2013**, 3, 224-37	24.4	561
5	A pharmacologic inhibitor of the protease Taspase1 effectively inhibits breast and brain tumor growth. *Cancer Research*, **2012**, 72, 736-46	10.1	36
4	Cognitive Decline after Surgery and Illness. *Anesthesiology*, **2010**, 112, 1283-1285	4.3	2
3	Long-term cognitive decline in older subjects was not attributable to noncardiac surgery or major illness. *Anesthesiology*, **2009**, 111, 964-70	4.3	131
2	Anesthesia awareness and the bispectral index. *New England Journal of Medicine*, **2008**, 358, 1097-108	59.2	664
1	Current controversies in intraoperative awareness: II148-171		