

Stephan W Anderson

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

3,314
citations

109137

35
h-index

168136

53
g-index

101
all docs

101
docs citations

101
times ranked

3328
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidetector CT of Blunt Abdominal Trauma. <i>Radiology</i> , 2012, 265, 678-693.	3.6	223
2	Ultra-open acoustic metamaterial silencer based on Fano-like interference. <i>Physical Review B</i> , 2019, 99, .	1.1	139
3	Texture analysis as a radiomic marker for differentiating renal tumors. <i>Abdominal Radiology</i> , 2017, 42, 2470-2478.	1.0	127
4	Blunt Splenic Trauma: Delayed-Phase CT for Differentiation of Active Hemorrhage from Contained Vascular Injury in Patients. <i>Radiology</i> , 2007, 243, 88-95.	3.6	107
5	Horn-like space-coiling metamaterials toward simultaneous phase and amplitude modulation. <i>Nature Communications</i> , 2018, 9, 1349.	5.8	105
6	Abdominal 64-MDCT for Suspected Appendicitis: The Use of Oral and IV Contrast Material Versus IV Contrast Material Only. <i>American Journal of Roentgenology</i> , 2009, 193, 1282-1288.	1.0	101
7	Blunt Trauma: Feasibility and Clinical Utility of Pelvic CT Angiography Performed with 64â€“Detector Row CT. <i>Radiology</i> , 2008, 246, 410-419.	3.6	96
8	Using texture analyses of contrast enhanced CT to assess hepatic fibrosis. <i>European Journal of Radiology</i> , 2016, 85, 511-517.	1.2	89
9	Active Hemorrhage and Vascular Injuries in Splenic Trauma: Utility of the Arterial Phase in Multidetector CT. <i>Radiology</i> , 2014, 270, 99-106.	3.6	87
10	Benign Hepatic Tumors and Iatrogenic Pseudotumors. <i>Radiographics</i> , 2009, 29, 211-229.	1.4	75
11	Accuracy of MDCT in the Diagnosis of Choledocholithiasis. <i>American Journal of Roentgenology</i> , 2006, 187, 174-180.	1.0	73
12	CT Angiography in Trauma. <i>Radiologic Clinics of North America</i> , 2010, 48, 423-438.	0.9	72
13	Spontaneous hemoperitoneum: a bloody mess. <i>Emergency Radiology</i> , 2007, 14, 65-75.	1.0	69
14	Detection of Biliary Duct Narrowing and Choledocholithiasis: Accuracy of Portal Venous Phase Multidetector CT. <i>Radiology</i> , 2008, 247, 418-427.	3.6	66
15	Blunt Abdominal Trauma: Current Imaging Techniques and CT Findings in Patients with Solid Organ, Bowel, and Mesenteric Injury. <i>Seminars in Ultrasound, CT and MRI</i> , 2007, 28, 115-129.	0.7	64
16	Imaging of blunt pancreatic trauma. <i>Emergency Radiology</i> , 2010, 17, 13-19.	1.0	62
17	Quantifying liver fibrosis through the application of texture analysis to diffusion weighted imaging. <i>Magnetic Resonance Imaging</i> , 2014, 32, 84-90.	1.0	59
18	Characterizing nonâ€“gaussian, high bâ€“value diffusion in liver fibrosis: Stretched exponential and diffusional kurtosis modeling. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 827-834.	1.9	58

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19	MDCT Evaluation of Blunt Abdominal Trauma: Clinical Significance of Free Intraperitoneal Fluid in Males with Absence of Identifiable Injury. <i>American Journal of Roentgenology</i> , 2008, 191, 1821-1826.	1.0	55
20	CT Imaging of Blunt Traumatic Bowel and Mesenteric Injuries. <i>Radiologic Clinics of North America</i> , 2012, 50, 123-136.	0.9	54
21	Detection of Vascular Injuries in Patients with Blunt Pelvic Trauma by Using 64-Channel Multidetector CT. <i>Radiographics</i> , 2009, 29, 151-164.	1.4	52
22	Ileal Pouchâ€“Anal Anastomosis Surgery: Imaging and Intervention for Post-operative Complications. <i>Radiographics</i> , 2010, 30, 221-233.	1.4	52
23	Sixty-Four Multi-Detector Row Computed Tomography in Multitrauma Patient Imaging: Early Experience. <i>Current Problems in Diagnostic Radiology</i> , 2006, 35, 188-198.	0.6	48
24	Use of 64-Row Multidetector CT Angiography in Blunt and Penetrating Trauma of the Upper and Lower Extremities. <i>Radiographics</i> , 2009, 29, 863-876.	1.4	48
25	Integration of 64-Detector Lower Extremity CT Angiography into Whole-Body Trauma Imaging: Feasibility and Early Experience. <i>Radiology</i> , 2011, 261, 787-795.	3.6	48
26	Quantitative MR Imaging: Physical Principles and Sequence Design in Abdominal Imaging. <i>Radiographics</i> , 2011, 31, 867-880.	1.4	48
27	Quantitative Assessment of Variation in CT Parameters on Texture Features: Pilot Study Using a Nonanatomic Phantom. <i>American Journal of Neuroradiology</i> , 2017, 38, 981-985.	1.2	46
28	64 MDCT in multiple trauma patients: imaging manifestations and clinical implications of active extravasation. <i>Emergency Radiology</i> , 2007, 14, 151-159.	1.0	45
29	Multidetector CT of Surgically Proven Blunt Bowel and Mesenteric Injury. <i>Radiographics</i> , 2017, 37, 613-625.	1.4	45
30	Penetrating Wounds to the Torso: Evaluation with Triple-Contrast Multidetector CT. <i>Radiographics</i> , 2013, 33, 341-359.	1.4	44
31	Intelligent Metamaterials Based on Nonlinearity for Magnetic Resonance Imaging. <i>Advanced Materials</i> , 2019, 31, e1905461.	11.1	41
32	Evaluation of a sequential multi-modality imaging algorithm for the diagnosis of acute appendicitis in the pregnant female. <i>Emergency Radiology</i> , 2015, 22, 125-132.	1.0	39
33	Utility of texture analysis for quantifying hepatic fibrosis on proton density MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1259-1265.	1.9	38
34	Managing an Acute Adverse Event in a Radiology Department. <i>Radiographics</i> , 2008, 28, 1237-1250.	1.4	37
35	Upper Extremity CT Angiography in Penetrating Trauma: Use of 64-Section Multidetector CT. <i>Radiology</i> , 2008, 249, 1064-1073.	3.6	35
36	Pancreatic duct evaluation: accuracy of portal venous phase 64 MDCT. <i>Abdominal Imaging</i> , 2009, 34, 55-63.	2.0	35

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37	Effect of disease progression on liver apparent diffusion coefficient values in a murine model of NASH at 11.7 tesla MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 882-888.	1.9	33
38	CT Angiography of Extremity Trauma. <i>Techniques in Vascular and Interventional Radiology</i> , 2006, 9, 156-166.	0.4	31
39	Effect of disease progression on liver apparent diffusion coefficient and T_2 values in a murine model of hepatic fibrosis at 11.7 Tesla MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 140-146.	1.9	31
40	CT of Major Vascular Injury in Blunt Abdominopelvic Trauma. <i>Radiographics</i> , 2016, 36, 872-890.	1.4	30
41	Accuracy of Dual-Energy CT Virtual Unenhanced and Material-Specific Images: A Phantom Study. <i>American Journal of Roentgenology</i> , 2020, 215, 1146-1154.	1.0	30
42	Fluid Tagging for CT Colonography. <i>Journal of Computer Assisted Tomography</i> , 2011, 35, 91-95.	0.5	29
43	Blunt pancreatic trauma: evaluation with MDCT technology. <i>Emergency Radiology</i> , 2013, 20, 259-266.	1.0	29
44	Pelvic CT angiography: application to blunt trauma using 64MDCT. <i>Emergency Radiology</i> , 2010, 17, 131-137.	1.0	26
45	CT imaging signs of surgically proven bowel trauma. <i>Emergency Radiology</i> , 2016, 23, 213-219.	1.0	26
46	Extremity CTA for penetrating trauma: 10-year experience using a 64-detector row CT scanner. <i>Emergency Radiology</i> , 2017, 24, 223-232.	1.0	26
47	Anorectal Trauma: The Use of Computed Tomography Scan in Diagnosis. <i>Seminars in Ultrasound, CT and MRI</i> , 2008, 29, 472-482.	0.7	25
48	Application of texture analysis on parametric T_1 and T_2 maps for detection of hepatic fibrosis. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 250-259.	1.9	25
49	Active extravasation of the abdomen and pelvis in trauma using 64MDCT. <i>Emergency Radiology</i> , 2009, 16, 375-382.	1.0	24
50	Evaluation of Acute Abdominal Pain in the Emergency Setting Using Computed Tomography Without Oral Contrast in Patients With Body Mass Index Greater Than 25. <i>Journal of Computer Assisted Tomography</i> , 2015, 39, 681-686.	0.5	24
51	CT of blunt abdominal and pelvic vascular injury. <i>Emergency Radiology</i> , 2010, 17, 21-29.	1.0	23
52	Influence of body habitus and use of oral contrast on reader confidence in patients with suspected acute appendicitis using 64 MDCT. <i>Emergency Radiology</i> , 2010, 17, 445-453.	1.0	23
53	Effect of Testosterone Administration on Liver Fat in Older Men With Mobility Limitation: Results From a Randomized Controlled Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 954-959.	1.7	22
54	Utility of MDCT findings in predicting patient management outcomes in renal trauma. <i>Emergency Radiology</i> , 2017, 24, 263-272.	1.0	21

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55	Surgical management in acute diverticulitis and its association with multi-detector CT, modified Hinchey classification, and clinical parameters. <i>Abdominal Radiology</i> , 2018, 43, 2060-2065.	1.0	21
56	Imaging colorectal trauma using 64-MDCT technology. <i>Emergency Radiology</i> , 2009, 16, 433-440.	1.0	19
57	Nonhomogeneous Gadolinium Retention in the Cerebral Cortex after Intravenous Administration of Gadolinium-based Contrast Agent in Rats and Humans. <i>Radiology</i> , 2020, 294, 377-385.	3.6	19
58	Extremity CT angiography: application to trauma using 64-MDCT. <i>Emergency Radiology</i> , 2009, 16, 425-432.	1.0	17
59	Acute Radiologic Manifestations of America's Opioid Epidemic. <i>Radiographics</i> , 2018, 38, 109-123.	1.4	17
60	64-Detector Row Computed Tomography: An Improved Tool for Evaluating the Biliary and Pancreatic Ducts?. <i>Current Problems in Diagnostic Radiology</i> , 2007, 36, 258-271.	0.6	15
61	Diagnosing acute appendicitis using a nonoral contrast CT protocol in patients with a BMI of less than 25. <i>Emergency Radiology</i> , 2016, 23, 455-462.	1.0	14
62	Damage control surgery: use of diagnostic CT after life-saving laparotomy. <i>Emergency Radiology</i> , 2016, 23, 483-495.	1.0	14
63	Towards uniformly oriented diatom frustule monolayers: Experimental and theoretical analyses. <i>Microsystems and Nanoengineering</i> , 2016, 2, 16064.	3.4	14
64	Principles of Quantitative MR Imaging with Illustrated Review of Applicable Modular Pulse Diagrams. <i>Radiographics</i> , 2017, 37, 2083-2105.	1.4	14
65	Diatom Frustule-Inspired Metamaterial Absorbers: The Effect of Hierarchical Pattern Arrays. <i>Advanced Functional Materials</i> , 2019, 29, 1809029.	7.8	14
66	An Automated Deep Learning Method for Tile AO/OTA Pelvic Fracture Severity Grading from Trauma whole-Body CT. <i>Journal of Digital Imaging</i> , 2021, 34, 53-65.	1.6	14
67	Machine learning combining CT findings and clinical parameters improves prediction of length of stay and ICU admission in torso trauma. <i>European Radiology</i> , 2021, 31, 5434-5441.	2.3	13
68	Multi-Detector Row CT of Acute Non-traumatic Abdominal Pain: Contrast and Protocol Considerations. <i>Radiologic Clinics of North America</i> , 2012, 50, 137-147.	0.9	12
69	Quantifying hepatic fibrosis using a biexponential model of diffusion weighted imaging in ex vivo liver specimens. <i>Magnetic Resonance Imaging</i> , 2012, 30, 1475-1482.	1.0	12
70	Biocompatible, micro- and nano-fabricated magnetic cylinders for potential use as contrast agents for magnetic resonance imaging. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 670-675.	4.0	12
71	Improved T_2 mapping accuracy with dual-echo turbo spin echo: Effect of phase encoding profile orders. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 137-143.	1.9	11
72	Pelvic CT angiography: application to blunt trauma using 64MDCT. <i>Abdominal Imaging</i> , 2010, 35, 280-286.	2.0	9

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73	Effect of an Institutional Triage Algorithm on the Use of Multidetector CT for Patients with Blunt Abdominopelvic Trauma over an 8-year Period. <i>Radiology</i> , 2017, 282, 84-91.	3.6	9
74	Enhanced Lams textures: A potential MRI surrogate marker of hepatic fibrosis in a murine model. <i>Magnetic Resonance Imaging</i> , 2017, 37, 33-40.	1.0	8
75	Silica Nanowire Growth on <i>Coscinodiscus</i> Species Diatom Frustules via Vapor-Liquid-Solid Process. <i>Small</i> , 2018, 14, 1801822.	5.2	8
76	Quantification of Degree of Liver Fibrosis Using Fibrosis Area Fraction Based on Statistical Chi-Square Analysis of Heterogeneity of Liver Tissue Texture on Routine Ultrasound Images. <i>Academic Radiology</i> , 2019, 26, 1001-1007.	1.3	8
77	Acute cholecystitis: diagnostic value of dual-energy CT-derived iodine map and low-keV virtual monoenergetic images. <i>Abdominal Radiology</i> , 2021, 46, 5125-5133.	1.0	7
78	Microfabricated iron oxide particles for tunable, multispectral magnetic resonance imaging. <i>Materials Letters</i> , 2013, 110, 122-126.	1.3	6
79	Multixponential T_2 analyses in a murine model of hepatic fibrosis at 11.7 T MRI. <i>NMR in Biomedicine</i> , 2013, 26, 83-90.	1.6	5
80	Time to conventional angiography in gastrointestinal bleeding: CT angiography compared to tagged RBC scan. <i>Abdominal Radiology</i> , 2020, 45, 307-311.	1.0	5
81	CTA measurements of acute lower gastrointestinal bleeding size predict subsequent positive catheter angiography. <i>Abdominal Radiology</i> , 2020, 45, 615-622.	1.0	5
82	Normal saline as a natural intravascular contrast agent for dynamic perfusion-weighted MRI of the brain: Proof of concept at 1.5T. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1580-1591.	1.9	4
83	Biliary and pancreatic ductal dilation in patients on methadone maintenance therapy. <i>Abdominal Radiology</i> , 2017, 42, 884-889.	1.0	4
84	Diffusion-weighted imaging of the pericholecystic hepatic parenchyma for distinguishing acute and chronic cholecystitis. <i>Emergency Radiology</i> , 2018, 25, 7-11.	1.0	4
85	Liver trauma: hepatic vascular injury on computed tomography as a predictor of patient outcome. <i>European Radiology</i> , 2021, 31, 3375-3382.	2.3	4
86	Quantification of bone marrow edema using dual-energy CT at fracture sites in trauma. <i>Emergency Radiology</i> , 2022, , 1.	1.0	4
87	Ileal Pouch-Anal Anastomosis Surgery: Anatomy, Postoperative Complications, and Image-Guided Intervention. <i>Seminars in Ultrasound, CT and MRI</i> , 2013, 34, 299-310.	0.7	3
88	Metamaterials: Diatom Frustule-Inspired Metamaterial Absorbers: The Effect of Hierarchical Pattern Arrays (<i>Adv. Funct. Mater.</i> 22/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970151.	7.8	3
89	Fat Fraction Measurements Using a Three-Material Decomposition Dual-Energy CT Technique Accounting for Bone Minerals: Evaluation in a Bone Marrow Phantom Using MRI as Reference. <i>American Journal of Roentgenology</i> , 2021, , .	1.0	2
90	Large-area diatom frustule self-assembled monolayers: Formation and manipulation. , 2016, , .		1

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91	Advances in Acute Pancreatic Imaging. , 2018, , 77-97.		1
92	Clinical and laboratory parameters in blunt pelvic trauma not associated with subsequent positive conventional angiography in patients with positive CTA. Emergency Radiology, 2021, 28, 557-563.	1.0	1
93	Auxeticsâ€Inspired Tunable Metamaterials for Magnetic Resonance Imaging (Adv. Mater. 6/2022). Advanced Materials, 2022, 34, .	11.1	1
94	A Positional Maneuver to Augment Conventional Cholescintigraphy in the Evaluation of Acute Acalculous Cholecystitis. Clinical Nuclear Medicine, 2006, 31, 409-411.	0.7	0
95	Fabrication and characterization of composite hydrogel particles with x-ray attenuating media. , 2013, , .		0
96	Biocompatible microfabricated magnetic cylinders as contrast agents for magnetic resonance imaging. , 2013, , .		0
97	Facile assembling method for coscinodiscus sp. diatom frustule monolayers towards controlled orientations. , 2017, , .		0