

Sarabjeet Singh

List of Publications by Year in descending order

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53
papers

2,660
citations

257357

24
h-index

182361

51
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all docs

54
docs citations

54
times ranked

2326
citing authors

#	ARTICLE	IF	CITATIONS
1	Abdominal CT: Comparison of Adaptive Statistical Iterative and Filtered Back Projection Reconstruction Techniques. <i>Radiology</i> , 2010, 257, 373-383.	3.6	398
2	Adaptive Statistical Iterative Reconstruction Technique for Radiation Dose Reduction in Chest CT: A Pilot Study. <i>Radiology</i> , 2011, 259, 565-573.	3.6	351
3	CT Radiation Dose and Iterative Reconstruction Techniques. <i>American Journal of Roentgenology</i> , 2015, 204, W384-W392.	1.0	181
4	Dose Reduction and Compliance with Pediatric CT Protocols Adapted to Patient Size, Clinical Indication, and Number of Prior Studies. <i>Radiology</i> , 2009, 252, 200-208.	3.6	176
5	Radiation Dose Reduction With Chest Computed Tomography Using Adaptive Statistical Iterative Reconstruction Technique. <i>Journal of Computer Assisted Tomography</i> , 2010, 34, 40-45.	0.5	171
6	Radiation Dose Reduction With Sinogram Affirmed Iterative Reconstruction Technique for Abdominal Computed Tomography. <i>Journal of Computer Assisted Tomography</i> , 2012, 36, 339-346.	0.5	154
7	Radiation Dose Reduction with Hybrid Iterative Reconstruction for Pediatric CT. <i>Radiology</i> , 2012, 263, 537-546.	3.6	127
8	Comparison of Hybrid and Pure Iterative Reconstruction Techniques With Conventional Filtered Back Projection. <i>Journal of Computer Assisted Tomography</i> , 2012, 36, 347-353.	0.5	126
9	Sinogram-Affirmed Iterative Reconstruction of Low-Dose Chest CT: Effect on Image Quality and Radiation Dose. <i>American Journal of Roentgenology</i> , 2013, 201, W235-W244.	1.0	65
10	In-Plane Shielding for CT: Effect of Off-Centering, Automatic Exposure Control and Shield-to-Surface Distance. <i>Korean Journal of Radiology</i> , 2009, 10, 156.	1.5	64
11	Tube Potential and CT Radiation Dose Optimization. <i>American Journal of Roentgenology</i> , 2015, 204, W4-W10.	1.0	60
12	Iterative Reconstruction Techniques in Abdominopelvic CT: Technical Concepts and Clinical Implementation. <i>American Journal of Roentgenology</i> , 2015, 205, W19-W31.	1.0	59
13	Computed Tomography (CT) of the Chest at Less Than 1 mSv. <i>Journal of Computer Assisted Tomography</i> , 2014, 38, 613-619.	0.5	51
14	Submillisievert Chest CT With Filtered Back Projection and Iterative Reconstruction Techniques. <i>American Journal of Roentgenology</i> , 2014, 203, 772-781.	1.0	46
15	Dose reduction in pediatric abdominal CT: use of iterative reconstruction techniques across different CT platforms. <i>Pediatric Radiology</i> , 2015, 45, 1046-1055.	1.1	46
16	Ultra-low dose abdominal MDCT: Using a knowledge-based Iterative Model Reconstruction technique for substantial dose reduction in a prospective clinical study. <i>European Journal of Radiology</i> , 2015, 84, 2-10.	1.2	46
17	Simplifying Size-Specific Radiation Dose Estimates in Pediatric CT. <i>American Journal of Roentgenology</i> , 2015, 204, 167-176.	1.0	38
18	Patients with Testicular Cancer Undergoing CT Surveillance Demonstrate a Pitfall of Radiation-induced Cancer Risk Estimates: The Timing Paradox. <i>Radiology</i> , 2013, 266, 896-904.	3.6	35

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19	Radiation Dose Optimization and Thoracic Computed Tomography. Radiologic Clinics of North America, 2014, 52, 1-15.	0.9	35
20	Automatic Exposure Control in CT: Applications and Limitations. Journal of the American College of Radiology, 2011, 8, 446-449.	0.9	32
21	Effect of Localizer Radiograph on Radiation Dose Associated With Automatic Exposure Control. Journal of Computer Assisted Tomography, 2014, 38, 293-298.	0.5	29
22	CT Radiation Dose Reduction by Modifying Primary Factors. Journal of the American College of Radiology, 2011, 8, 369-372.	0.9	28
23	Current status of low dose multi-detector CT in the urinary tract. World Journal of Radiology, 2011, 3, 256.	0.5	28
24	Assessment of Filtered Back Projection, Adaptive Statistical, and Model-Based Iterative Reconstruction for Reduced Dose Abdominal Computed Tomography. Journal of Computer Assisted Tomography, 2015, 39, 462-467.	0.5	25
25	Ultra low-dose chest CT using filtered back projection: Comparison of 80-, 100- and 120kVp protocols in a prospective randomized study. European Journal of Radiology, 2014, 83, 1934-1944.	1.2	24
26	Whole spine CT for evaluation of scoliosis in children: Feasibility of sub-milliSievert scanning protocol. Acta Radiologica, 2013, 54, 226-230.	0.5	22
27	Entrance skin dosimetry and size-specific dose estimate from pediatric chest CTA. Journal of Cardiovascular Computed Tomography, 2014, 8, 97-107.	0.7	21
28	Iterative Image Reconstruction and Its Role in Cardiothoracic Computed Tomography. Journal of Thoracic Imaging, 2013, 28, 355-367.	0.8	20
29	Dose reduction for chest CT: comparison of two iterative reconstruction techniques. Acta Radiologica, 2015, 56, 688-695.	0.5	20
30	Size-specific dose estimates: Localizer or transverse abdominal computed tomography images?. World Journal of Radiology, 2014, 6, 210.	0.5	19
31	Ultralow-Dose Abdominal Computed Tomography. Journal of Computer Assisted Tomography, 2015, 39, 489-498.	0.5	14
32	A new technique to characterize CT scanner bowtie filter attenuation and applications in human cadaver dosimetry simulations. Medical Physics, 2015, 42, 6274-6282.	1.6	13
33	Radiation Exposure From CT-Guided Ablation of Renal Masses: Effects on Life Expectancy. American Journal of Roentgenology, 2015, 204, 335-342.	1.0	13
34	Pointers for Optimizing Radiation Dose in Pediatric CT Protocols. Journal of the American College of Radiology, 2012, 9, 77-79.	0.9	12
35	Pointers for Optimizing Radiation Dose in Chest CT Protocols. Journal of the American College of Radiology, 2011, 8, 663-665.	0.9	11
36	Preliminary Results. Journal of Computer Assisted Tomography, 2014, 38, 117-122.	0.5	11

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37	Vaginal Hysterectomy by Electrosurgery for Benign Indications Associated with Previous Cesarean Section. <i>Journal of Gynecologic Surgery</i> , 2013, 29, 7-12.	0.0	10
38	<i>In vitro</i> dose measurements in a human cadaver with abdomen/pelvis CT scans. <i>Medical Physics</i> , 2014, 41, 091911.	1.6	9
39	Pointers for Optimizing Radiation Dose in Head CT Protocols. <i>Journal of the American College of Radiology</i> , 2011, 8, 591-593.	0.9	8
40	Pointers for Optimizing Radiation Dose in Abdominal CT Protocols. <i>Journal of the American College of Radiology</i> , 2011, 8, 731-734.	0.9	8
41	Ablation margin assessment of liver tumors with intravenous contrast-enhanced C-arm computed tomography. <i>World Journal of Radiology</i> , 2012, 4, 102.	0.5	8
42	Quantification of interstitial fluid on whole body CT: comparison with whole body autopsy. <i>Forensic Science, Medicine, and Pathology</i> , 2015, 11, 488-496.	0.6	7
43	Depiction of celiac ganglia on positron emission tomography and computed tomography in patients with lung cancer. <i>Clinical Imaging</i> , 2014, 38, 292-295.	0.8	6
44	Radiation dose reduction for chest CT with non-linear adaptive filters. <i>Acta Radiologica</i> , 2013, 54, 169-174.	0.5	5
45	Standardized CT protocols and nomenclature: better, but not yet there. <i>Pediatric Radiology</i> , 2014, 44, 440-443.	1.1	5
46	Radiation dose reduction with application of non-linear adaptive filters for abdominal CT. <i>World Journal of Radiology</i> , 2012, 4, 21.	0.5	4
47	Role of Compressive Sensing Technique in Dose Reduction for Chest Computed Tomography. <i>Journal of Computer Assisted Tomography</i> , 2014, 38, 760-767.	0.5	4
48	Point Organ Radiation Dose in Abdominal CT: Effect of Patient Off-Centering in an Experimental Human Cadaver Study. <i>Radiation Protection Dosimetry</i> , 2017, 175, 440-449.	0.4	4
49	Co-registered image quality comparison in hybrid iterative reconstruction techniques: SAFIRE and SafeCT. , 2013, , .		3
50	High Fidelity System Modeling for High Quality Image Reconstruction in Clinical CT. <i>PLoS ONE</i> , 2014, 9, e111625.	1.1	3
51	Application of Shielding in CT Radiation Dose Reduction. <i>Medical Radiology</i> , 2012, , 183-194.	0.0	1
52	What Is the Minimal Radiation Dose That Can Be Used for Detecting Pleural Effusion?. <i>American Journal of Roentgenology</i> , 2014, 203, 118-122.	1.0	1
53	Conventional and Newer Reconstruction Techniques in CT. <i>Medical Radiology</i> , 2011, , 143-156.	0.0	0