

Scott S Hsieh

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

340
citations

840585

11
h-index

887953

17
g-index

17
all docs

17
docs citations

17
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	The feasibility of a piecewise-linear dynamic bowtie filter. <i>Medical Physics</i> , 2013, 40, 031910.	1.6	73
2	Photon Counting CT: Clinical Applications and Future Developments. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021, 5, 441-452.	2.7	68
3	Spectral resolution and high-flux capability tradeoffs in CdTe detectors for clinical CT. <i>Medical Physics</i> , 2018, 45, 1433-1443.	1.6	26
4	Dose reduction using a dynamic, piecewise-linear attenuator. <i>Medical Physics</i> , 2014, 41, 021910.	1.6	21
5	Digital count summing vs analog charge summing for photon counting detectors: A performance simulation study. <i>Medical Physics</i> , 2018, 45, 4085-4093.	1.6	20
6	Coincidence Counters for Charge Sharing Compensation in Spectroscopic Photon Counting Detectors. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 678-687.	5.4	20
7	The feasibility of an inverse geometry CT system with stationary source arrays. <i>Medical Physics</i> , 2013, 40, 031904.	1.6	16
8	The piecewise-linear dynamic attenuator reduces the impact of count rate loss with photon-counting detectors. <i>Physics in Medicine and Biology</i> , 2014, 59, 2829-2847.	1.6	13
9	Improving pulse detection in multibin photon-counting detectors. <i>Journal of Medical Imaging</i> , 2016, 3, 023505.	0.8	13
10	A limit on dose reduction possible with CT reconstruction algorithms without prior knowledge of the scan subject. <i>Medical Physics</i> , 2016, 43, 1361-1368.	1.6	12
11	A prototype piecewise-linear dynamic attenuator. <i>Physics in Medicine and Biology</i> , 2016, 61, 4974-4988.	1.6	11
12	Segmented targeted least squares estimator for material decomposition in multibin photon-counting detectors. <i>Journal of Medical Imaging</i> , 2017, 4, 023503.	0.8	11
13	Control algorithms for dynamic attenuators. <i>Medical Physics</i> , 2014, 41, 061907.	1.6	9
14	Estimating scatter in cone beam CT with striped ratio grids: A preliminary investigation. <i>Medical Physics</i> , 2016, 43, 5084-5092.	1.6	9
15	Improving Paralysis Compensation in Photon Counting Detectors. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3-11.	5.4	7
16	An algorithm to estimate the object support in truncated images. <i>Medical Physics</i> , 2014, 41, 071908.	1.6	6
17	Upper-Bound on Dose Reduction in CT Reconstruction for Nodule Detection. <i>IEEE Access</i> , 2016, 4, 4247-4253.	2.6	5