

Scott S Hsieh

List of Publications by Year in descending order

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papers

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840585

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212
citing authors

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