Anthony P H Butler

List of Publications by Year
in descending order

21 papers	402 citations	933447 10 h-index	996975 15 g-index
21 all docs	21 docs citations	21 times ranked	515 citing authors

#	Article	IF	Citations
1	Dual- and multi-energy CT: approach to functional imaging. Insights Into Imaging, 2011, 2, 149-159.	3.4	155
2	Quantitative imaging of excised osteoarthritic cartilage using spectral CT. European Radiology, 2017, 27, 384-392.	4.5	42
3	Deep learning based spectral CT imaging. Neural Networks, 2021, 144, 342-358.	5.9	28
4	Carotid Artery Plaque Calcifications: Lessons From Histopathology to Diagnostic Imaging. Stroke, 2022, 53, 290-297.	2.0	26
5	Multiâ€"œColorâ€•Delineation of Bone Microdamages Using Ligandâ€Directed Subâ€5 nm Hafnia Nanodots and Photon Counting CT Imaging. Advanced Functional Materials, 2020, 30, 1904936.	14.9	21
6	Spectral Photon-Counting Molecular Imaging for Quantification of Monoclonal Antibody-Conjugated Gold Nanoparticles Targeted to Lymphoma and Breast Cancer: An <i>In Vitro</i> Study. Contrast Media and Molecular Imaging, 2018, 2018, 1-9.	0.8	20
7	Induced macrophage activation in live excised atherosclerotic plaque. Immunobiology, 2018, 223, 526-535.	1.9	18
8	A Hybrid 2D/3D User Interface for Radiological Diagnosis. Journal of Digital Imaging, 2018, 31, 56-73.	2.9	18
9	Hitchhiking probiotic vectors to deliver ultra-small hafnia nanoparticles for â€˜Colorâ€™ gastrointestinal tract photon counting X-ray imaging. Nanoscale Horizons, 2022, 7, 533-542.	8.0	16
10	Measuring Identification and Quantification Errors in Spectral CT Material Decomposition. Applied Sciences (Switzerland), 2018, 8, 467.	2.5	13
11	First human imaging with MARS photon-counting CT. , 2018, , .		9
12	Increased separability of K-edge nanoparticles by photon-counting detectors for spectral micro-CT. Journal of X-Ray Science and Technology, 2018, 26, 707-726.	1.0	8
13	Assessment of Material Identification Errors, Image Quality, and Radiation Doses Using Small Animal Spectral Photon-Counting CT. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 578-587.	3.7	8
14	Spectral CT imaging of human osteoarthritic cartilage via quantitative assessment of glycosaminoglycan content using multiple contrast agents. APL Bioengineering, 2021, 5, 026101.	6.2	8
15	Dosimetry in MARS spectral CT: TOPAS Monte Carlo simulations and ion chamber measurements. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 297-303.	1.3	5
16	Beam profile assessment in spectral <scp>CT</scp> scanners. Journal of Applied Clinical Medical Physics, 2018, 19, 287-297.	1.9	3
17	MARS pre-clinical imaging: the benefits of small pixels and good energy data. , 2019, , .		3
18	Medipix3RX neutron camera for ambient radiation measurements. , 2017, , .		1

#	Article	IF	Citations
19	Interactive Image Segmentation of MARS Datasets Using Bag of Features. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 559-567.	3.7	0
20	From the Higgsâ€"Boson to Molecular Radiology. International Journal of Modern Physics E, 2021, 30, .	1.0	0
21	Preclinical Non-invasive Imaging in Cancer Research and Drug Discovery: An Overview. , 2019, , 419-469.		0