# John E Gillam

List of Publications by Year
in descending order

| 26 papers | 381 citations | 1478458 6 h-index | 996954 15 g-index |
|---|---|---|---|
| 26 all docs | 26 docs citations | 26 times ranked | 996 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Prediction Models of Functional Outcomes for Individuals in the Clinical High-Risk State for Psychosis or With Recent-Onset Depression. JAMA Psychiatry, 2018, 75, 1156. | 11.0 | 251 |
| 2 | Sensitivity recovery for the AX-PET prototype using inter-crystal scattering events. Physics in Medicine and Biology, 2014, 59, 4065-4083. | 3.0 | 22 |
| 3 | Monte-Carlo simulations and image reconstruction for novel imaging scenarios in emission tomography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 809, 76-88. | 1.6 | 19 |
| 4 | Direct Estimation of Voxel-Wise Neurotransmitter Response Maps From Dynamic PET Data. IEEE Transactions on Medical Imaging, 2019, 38, 1371-1383. | 8.9 | 18 |
| 5 | PET Reconstruction From Truncated Projections Using Total-Variation Regularization for Hadron Therapy Monitoring. IEEE Transactions on Nuclear Science, 2013, 60, 3364-3372. | 2.0 | 14 |
| 6 | Image-based modelling of residual blurring in motion corrected small animal PET imaging using motion dependent point spread functions. Biomedical Physics and Engineering Express, 2018, 4, 035032. | 1.2 | 7 |
| 7 | Role of magnetic resonance spectroscopy in cerebral glutathione quantification for youth mental health: A systematic review. Microbial Biotechnology, 2020, 14, 147-162. | 1.7 | 7 |
| 8 | Laplacian Erosion: An Image Deblurring Technique for Multi-Plane Gamma-Cameras. IEEE Transactions on Nuclear Science, 2013, 60, 3333-3342. | 2.0 | 6 |
| 9 | Effect of position resolution on LoR discrimination for a dual-head Compton camera. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 76-79. | 1.6 | 5 |
| 10 | Second LaBr$_3$ compton telescope prototype. , 2013, , . | | 5 |
| 11 | Towards Optimal Collimator Design for the PEDRO Hybrid Imaging System. IEEE Transactions on Nuclear Science, 2011, 58, 639-650. | 2.0 | 4 |
| 12 | An OpenCL Implementation of Pinhole Image Reconstruction. IEEE Transactions on Nuclear Science, 2012, 59, 1738-1749. | 2.0 | 4 |
| 13 | Multichannel DAQ system for SiPM matrices. , 2012, , . | | 3 |
| 14 | Efficient time-weighted sensitivity image calculation for motion compensated list mode reconstruction. , 2014, , . | | 3 |
| 15 | Direct estimation of neurotransmitter response in awake and freely moving animals. , 2015, , . | | 3 |
| 16 | K-edge subtraction using an energy-resolving position-sensitive detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 97-100. | 1.6 | 2 |
| 17 | Simulation study of Resistive-Plate-Chambers based PET for hadron-therapy monitoring. , 2011, , . | | 2 |
| 18 | List-mode image reconstruction for positron emission tomography using tetrahedral voxels. Physics in Medicine and Biology, 2016, 61, N497-N513. | 3.0 | 2 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Modelling orthogonal strip HPGe detector systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 103-106. | 1.6 | 1 |
| 20 | GPU acceleration of compton reconstruction for the PEDRO. , 2010, , . | | 1 |
| 21 | Modelling the motion dependent point spread function in motion corrected small animal PET imaging. , 2016, , . | | 1 |
| 22 | Motion compensation using origin ensembles in awake small animal positron emission tomography. Physics in Medicine and Biology, 2017, 62, 715-733. | 3.0 | 1 |
| 23 | Multiple occupancy considerations for the SmartPET imaging system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 68-71. | 1.6 | 0 |
| 24 | Hybrid-collimator design for a small animal imager: PEDRO. , 2010, , . | | 0 |
| 25 | The application of the axial PET concept to novel imaging scenarios. , 2013, , . | | 0 |
| 26 | Feasibility of motion-corrected planar projection imaging of single photon emitters: A phantom study. , 2014, , . | | 0 |