

# Vasant Kearney

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8830575/publications.pdf>

Version: 2024-02-01

17  
papers

611  
citations

759233

12  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

932  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Improved contrast and noise of megavoltage computed tomography (MVCT) through cycle-consistent generative machine learning. Medical Physics, 2021, 48, 676-690.  | 3.0 | 14        |
| 2  | Attention-Aware Discrimination for MR-to-CT Image Translation Using Cycle-Consistent Generative Adversarial Networks. Radiology: Artificial Intelligence, 2020, 2, e190027.                                    | 5.8 | 35        |
| 3  | DoseGAN: a generative adversarial network for synthetic dose prediction using attention-gated discrimination and generation. Scientific Reports, 2020, 10, 11073.  | 3.3 | 50        |
| 4  | Optimizing beam models for dosimetric accuracy over a wide range of treatments. Physica Medica, 2019, 58, 47-53.   | 0.7 | 6         |
| 5  | Attention-enabled 3D boosted convolutional neural networks for semantic CT segmentation using deep supervision. Physics in Medicine and Biology, 2019, 64, 135001.   | 3.0 | 37        |
| 6  | A convolutional neural network algorithm for automatic segmentation of head and neck organs at risk using deep lifelong learning. Medical Physics, 2019, 46, 2204-2213.  | 3.0 | 51        |
| 7  | Correcting <sup>TG</sup> 119 confidence limits. Medical Physics, 2018, 45, 1001-1008.  | 3.0 | 12        |
| 8  | DoseNet: a volumetric dose prediction algorithm using 3D fully-convolutional neural networks. Physics in Medicine and Biology, 2018, 63, 235022.   | 3.0 | 129       |
| 9  | The application of artificial intelligence in the IMRT planning process for head and neck cancer. Oral Oncology, 2018, 87, 111-116.  | 1.5 | 50        |
| 10 | A Deep Look Into the Future of Quantitative Imaging in Oncology: A Statement of Working Principles and Proposal for Change. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1074-1082. | 0.8 | 86        |
| 11 | An unsupervised convolutional neural network-based algorithm for deformable image registration. Physics in Medicine and Biology, 2018, 63, 185017.   | 3.0 | 48        |
| 12 | A continuous arc delivery optimization algorithm for CyberKnife m6. Medical Physics, 2018, 45, 3861-3870.  | 3.0 | 12        |
| 13 | Canny edge-based deformable image registration. Physics in Medicine and Biology, 2017, 62, 966-985.  | 3.0 | 9         |
| 14 | Design of a portable imager for near-infrared visualization of cutaneous wounds. Journal of Biomedical Optics, 2017, 22, 016010.   | 2.6 | 12        |
| 15 | CyberArc: a non-coplanar-arc optimization algorithm for CyberKnife. Physics in Medicine and Biology, 2017, 62, 5777-5789.  | 3.0 | 16        |
| 16 | Automated landmark-guided deformable image registration. Physics in Medicine and Biology, 2015, 60, 101-116.   | 3.0 | 18        |
| 17 | Hollow Gold Nanoparticles as Biocompatible Radiosensitizer: An <i>In Vitro</i> Proof of Concept Study. Journal of Nano Research, 0, 32, 106-112.   | 0.8 | 26        |