Stephanie A Harmon

List of Publications by Year
in descending order

53 papers	2,635 citations	257101 24 h-index	197535 49 g-index
56 all docs	56 docs citations	56 times ranked	3465 citing authors

#	Article	IF	Citations
1	Artificial intelligence for the detection of COVID-19 pneumonia on chest CT using multinational datasets. Nature Communications, 2020, 11, 4080.	5.8	405
2	Federated learning for predicting clinical outcomes in patients with COVID-19. Nature Medicine, 2021, 27, 1735-1743.	15.2	300
3	Generalizing Deep Learning for Medical Image Segmentation to Unseen Domains via Deep Stacked Transformation. IEEE Transactions on Medical Imaging, 2020, 39, 2531-2540.	5.4	220
4	A Magnetic Resonance Imagingâ€“Based Prediction Model for Prostate Biopsy Risk Stratification. JAMA Oncology, 2018, 4, 678.	3.4	141
5	A Grading System for the Assessment of Risk of Extraprostatic Extension of Prostate Cancer at Multiparametric MRI. Radiology, 2019, 290, 709-719.	3.6	140
6	Federated semi-supervised learning for COVID region segmentation in chest CT using multi-national data from China, Italy, Japan. Medical Image Analysis, 2021, 70, 101992.	7.0	140
7	Intraâ€•and interreader reproducibility of PIâ€RADSv2: A multireader study. Journal of Magnetic Resonance Imaging, 2019, 49, 1694-1703.	1.9	102
8	Federated learning improves site performance in multicenter deep learning without data sharing. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1259-1264.	2.2	93
9	Can computer-aided diagnosis assist in the identification of prostate cancer on prostate MRI? a multi-center, multi-reader investigation. Oncotarget, 2018, 9, 33804-33817.	0.8	65
10	Repeatability of Quantitative ¹⁸F-NaF PET: A Multicenter Study. Journal of Nuclear Medicine, 2016, 57, 1872-1879.	2.8	62
11	Artificial intelligence at the intersection of pathology and radiology in prostate cancer. Diagnostic and Interventional Radiology, 2019, 25, 183-188.	0.7	62
12	Quantitative Assessment of Early [¹⁸F]Sodium Fluoride Positron Emission Tomography/Computed Tomography Response to Treatment in Men With Metastatic Prostate Cancer to Bone. Journal of Clinical Oncology, 2017, 35, 2829-2837.	0.8	52
13	Deepâ€Learningâ€Based Artificial Intelligence for <scp>PIâ€RADS</scp> Classification to Assist Multiparametric Prostate <scp>MRI</scp> Interpretation: A Development Study. Journal of Magnetic Resonance Imaging, 2020, 52, 1499-1507.	1.9	52
14	Nascent Prostate Cancer Heterogeneity Drives Evolution and Resistance to Intense Hormonal Therapy. European Urology, 2021, 80, 746-757.	0.9	50
15	Quality of Prostate MRI: Is the PI-RADS Standard Sufficient?. Academic Radiology, 2021, 28, 199-207.	1.3	44
16	Determination of disease severity in COVID-19 patients using deep learning in chest X-ray images. Diagnostic and Interventional Radiology, 2021, 27, 20-27.	0.7	44
17	Radiomics and radiogenomics of prostate cancer. Abdominal Radiology, 2019, 44, 2021-2029.	1.0	43
18	Multiresolution Application of Artificial Intelligence in Digital Pathology for Prediction of Positive Lymph Nodes From Primary Tumors in Bladder Cancer. JCO Clinical Cancer Informatics, 2020, 4, 367-382.	1.0	42

#	Article	IF	Citations
19	A Prospective Comparison of ¹⁸F-Sodium Fluoride PET/CT and PSMA-Targeted ¹⁸F-DCFBC PET/CT in Metastatic Prostate Cancer. Journal of Nuclear Medicine, 2018, 59, 1665-1671.	2.8	40
20	¹⁸F-DCFPyL PET/CT Imaging in Patients with Biochemically Recurrent Prostate Cancer After Primary Local Therapy. Journal of Nuclear Medicine, 2020, 61, 881-889.	2.8	38
21	Keeping up with the prostate-specific membrane antigens (PSMAs): an introduction to a new class of positron emission tomography (PET) imaging agents. Translational Andrology and Urology, 2018, 7, 831-843.	0.6	35
22	Quick guide on radiology image pre-processing for deep learning applications in prostate cancer research. Journal of Medical Imaging, 2021, 8, 010901.	0.8	33
23	Multicenter Multireader Evaluation of an Artificial Intelligenceâ€“Based Attention Mapping System for the Detection of Prostate Cancer With Multiparametric MRI. American Journal of Roentgenology, 2020, 215, 903-912.	1.0	29
24	A case report of multiple primary prostate tumors with differential drug sensitivity. Nature Communications, 2020, 11, 837.	5.8	28
25	Can Apparent Diffusion Coefficient Values Assist PI-RADS Version 2 DWI Scoring? A Correlation Study Using the PI-RADSv2 and International Society of Urological Pathology Systems. American Journal of Roentgenology, 2018, 211, W33-W41.	1.0	26
26	Evaluating Biochemically Recurrent Prostate Cancer: Histologic Validation of ¹⁸F-DCFPyL PET/CT with Comparison to Multiparametric MRI. Radiology, 2020, 296, 564-572.	3.6	24
27	Data Augmentation and Transfer Learning to Improve Generalizability of an Automated Prostate Segmentation Model. American Journal of Roentgenology, 2020, 215, 1403-1410.	1.0	23
28	Prospective Evaluation of ¹⁸F-DCFPyL PET/CT in Detection of High-Risk Localized Prostate Cancer: Comparison With mpMRI. American Journal of Roentgenology, 2020, 215, 652-659.	1.0	22
29	Sequential Prostate Magnetic Resonance Imaging in Newly Diagnosed High-risk Prostate Cancer Treated with Neoadjuvant Enzalutamide is Predictive of Therapeutic Response. Clinical Cancer Research, 2021, 27, 429-437.	3.2	22
30	Prospective comparison of PIâ€RADS version 2 and qualitative inâ€house categorization system in detection of prostate cancer. Journal of Magnetic Resonance Imaging, 2018, 48, 1326-1335.	1.9	18
31	A multiparametric magnetic resonance imaging-based virtual reality surgical navigation tool for robotic-assisted radical prostatectomy. Turkish Journal of Urology, 2019, 45, 357-365.	1.3	18
32	Deep learning-based artificial intelligence for prostate cancer detection at biparametric MRI. Abdominal Radiology, 2022, 47, 1425-1434.	1.0	18
33	Ferumoxytol-Enhanced MR Lymphography for Detection of Metastatic Lymph Nodes in Genitourinary Malignancies: A Prospective Study. American Journal of Roentgenology, 2020, 214, 105-113.	1.0	17
34	Changes in Magnetic Resonance Imaging Using the Prostate Cancer Radiologic Estimation of Change in Sequential Evaluation Criteria to Detect Prostate Cancer Progression for Men on Active Surveillance. European Urology Oncology, 2021, 4, 227-234.	2.6	14
35	Evaluating the size criterion for PI-RADSv2 category 5 upgrade: is 15Âmm the best threshold?. Abdominal Radiology, 2018, 43, 3436-3444.	1.0	13
36	Quantification of bone flare on 18F-NaF PET/CT in metastatic castration-resistant prostate cancer. Prostate Cancer and Prostatic Diseases, 2019, 22, 324-330.	2.0	13

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37	CT and clinical assessment in asymptomatic and pre-symptomatic patients with early SARS-CoV-2 in outbreak settings. European Radiology, 2021, 31, 3165-3176.	2.3	13
38	High throughput assessment of biomarkers in tissue microarrays using artificial intelligence: PTEN loss as a proof-of-principle in multi-center prostate cancer cohorts. Modern Pathology, 2021, 34, 478-489.	2.9	13
39	A comparison of prostate cancer bone metastases on 18F-Sodium Fluoride and Prostate Specific Membrane Antigen (18F-PSMA) PET/CT: Discordant uptake in the same lesion. Oncotarget, 2018, 9, 37676-37688.	0.8	13
40	A Multireader Exploratory Evaluation of Individual Pulse Sequence Cancer Detection on Prostate Multiparametric Magnetic Resonance Imaging (MRI). Academic Radiology, 2019, 26, 5-14.	1.3	12
41	Deep Learning Based Staging of Bone Lesions From Computed Tomography Scans. IEEE Access, 2021, 9, 87531-87542.	2.6	12
42	Prognostic Features of Biochemical Recurrence of Prostate Cancer Following Radical Prostatectomy Based on Multiparametric MRI and Immunohistochemistry Analysis of MRI-guided Biopsy Specimens. Radiology, 2021, 299, 613-623.	3.6	11
43	Targeted early chest CT in COVID-19 outbreaks as diagnostic tool for containment of the pandemicâ€“A multinational opinion. Diagnostic and Interventional Radiology, 2020, 26, 292-295.	0.7	8
44	Clinical Application of Artificial Intelligence in Positron Emission Tomography: Imaging of Prostate Cancer. PET Clinics, 2022, 17, 137-143.	1.5	8
45	Spatial density and diversity of architectural histology in prostate cancer: influence on diffusion weighted magnetic resonance imaging. Quantitative Imaging in Medicine and Surgery, 2020, 10, 326-339.	1.1	7
46	Artificial Intelligence-based Tumor Segmentation in Mouse Models of Lung Adenocarcinoma. Journal of Pathology Informatics, 2022, 13, 100007.	0.8	7
47	Quantitative FDG PET/CT may help risk-stratify early-stage non-small cell lung cancer patients at risk for recurrence following anatomic resection. Journal of Thoracic Disease, 2019, 11, 1106-1116.	0.6	6
48	Combined MRI-targeted Plus Systematic Confirmatory Biopsy Improves Risk Stratification for Patients Enrolling on Active Surveillance for Prostate Cancer. Urology, 2020, 144, 164-170.	0.5	4
49	Quantitative Characterization of the Prostatic Urethra Using MRI: Implications for Lower Urinary Tract Symptoms in Patients with Benign Prostatic Hyperplasia. Academic Radiology, 2021, 28, 664-670.	1.3	4
50	Harnessing clinical annotations to improve deep learning performance in prostate segmentation. PLoS ONE, 2021, 16, e0253829.	1.1	4
51	Impact of Anatomic Location of Bone Metastases on Prognosis in Metastatic Castration-Resistant Prostate Cancer. Clinical Genitourinary Cancer, 2019, 17, 306-314.	0.9	2
52	Prostate-Specific Membrane Antigen Is a Biomarker for Residual Disease following Neoadjuvant Intense Androgen Deprivation Therapy in Prostate Cancer. Journal of Urology, 2022, 208, 90-99.	0.2	2
53	Apical periurethral transition zone lesions: MRI and histology findings. Abdominal Radiology, 2020, 45, 3258-3264.	1.0	0