

# Geoffrey A Sonn

## List of Publications by Year in descending order

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79  
papers

4,002  
citations

156536

32  
h-index

134545

62  
g-index

79  
all docs

79  
docs citations

79  
times ranked

5860  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective identification and localization of indolent and aggressive prostate cancers via CorrSigNIA: an MRI-pathology correlation and deep learning framework. <i>Medical Image Analysis</i> , 2022, 75, 102288.	7.0	25
2	Integrating zonal priors and pathomic MRI biomarkers for improved aggressive prostate cancer detection on MRI. , 2022, , .		1
3	Image quality assessment for machine learning tasks using meta-reinforcement learning. <i>Medical Image Analysis</i> , 2022, 78, 102427.	7.0	19
4	Bridging the gap between prostate radiology and pathology through machine learning. <i>Medical Physics</i> , 2022, 49, 5160-5181.	1.6	10
5	Computational Detection of Extraprostatic Extension of Prostate Cancer on Multiparametric MRI Using Deep Learning. <i>Cancers</i> , 2022, 14, 2821.	1.7	7
6	Multi-institutional analysis of clinical and imaging risk factors for detecting clinically significant prostate cancer in men with PI-RADS 3 lesions. <i>Cancer</i> , 2022, 128, 3287-3296.	2.0	13
7	ProsRegNet: A deep learning framework for registration of MRI and histopathology images of the prostate. <i>Medical Image Analysis</i> , 2021, 68, 101919.	7.0	46
8	Adaptable Image Quality Assessment Using Meta-Reinforcement Learning of Task Amenability. <i>Lecture Notes in Computer Science</i> , 2021, , 191-201.	1.0	4
9	Superiorized Photo-Acoustic Non-NEgative Reconstruction (SPANNER) for Clinical Photoacoustic Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1888-1897.	5.4	26
10	Weakly Supervised Registration of Prostate MRI and Histopathology Images. <i>Lecture Notes in Computer Science</i> , 2021, , 98-107.	1.0	7
11	Intensity normalization of prostate MRIs using conditional generative adversarial networks for cancer detection. , 2021, , .		3
12	Clinically significant prostate cancer detection on MRI with self-supervised learning using image context restoration. , 2021, , .		2
13	ProGNet: prostate gland segmentation on MRI with deep learning. , 2021, , .		2
14	MR method for measuring microscopic histologic soft tissue textures. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 308-319.	1.9	0
15	3D Registration of pre-surgical prostate MRI and histopathology images via super-resolution volume reconstruction. <i>Medical Image Analysis</i> , 2021, 69, 101957.	7.0	26
16	Automated detection of aggressive and indolent prostate cancer on magnetic resonance imaging. <i>Medical Physics</i> , 2021, 48, 2960-2972.	1.6	27
17	Mapping PSA density to outcome of MRI-based active surveillance for prostate cancer through joint longitudinal-survival models. <i>Prostate Cancer and Prostatic Diseases</i> , 2021, 24, 1028-1031.	2.0	10
18	The stanford prostate cancer calculator: Development and external validation of online nomograms incorporating PIRADS scores to predict clinically significant prostate cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2021, 39, 831.e19-831.e27.	0.8	11

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19	Deep Learning Improves Speed and Accuracy of Prostate Gland Segmentations on Magnetic Resonance Imaging for Targeted Biopsy. <i>Journal of Urology</i> , 2021, 206, 604-612.	0.2	16
20	Utility of PSA Density in Predicting Upgraded Gleason Score in Men on Active Surveillance With Negative MRI. <i>Urology</i> , 2021, 155, 96-100.	0.5	7
21	Consumption of cruciferous vegetables and the risk of bladder cancer in a prospective US cohort: data from the NIH-AARP diet and health study. <i>American Journal of Clinical and Experimental Urology</i> , 2021, 9, 229-238.	0.4	2
22	How Often is the Dynamic Contrast Enhanced Score Needed in PI-RADS Version 2?. <i>Current Problems in Diagnostic Radiology</i> , 2020, 49, 173-176.	0.6	7
23	Identification of diagnostic metabolic signatures in clear cell renal cell carcinoma using mass spectrometry imaging. <i>International Journal of Cancer</i> , 2020, 147, 256-265.	2.3	38
24	Registration of presurgical MRI and histopathology images from radical prostatectomy via RAPSODI. <i>Medical Physics</i> , 2020, 47, 4177-4188.	1.6	28
25	Multicenter analysis of clinical and MRI characteristics associated with detecting clinically significant prostate cancer in PI-RADS (v2.0) category 3 lesions. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2020, 38, 637.e9-637.e15.	0.8	17
26	CorrSigNet: Learning CORRelated Prostate Cancer SIGnatures from Radiology and Pathology Images for Improved Computer Aided Diagnosis. <i>Lecture Notes in Computer Science</i> , 2020, , 315-325.	1.0	10
27	Variation in Magnetic Resonance Imaging-Ultrasound Fusion Targeted Biopsy Outcomes in Asian American Men: A Multicenter Study. <i>Journal of Urology</i> , 2020, 203, 530-536.	0.2	8
28	Reply by Authors. <i>Journal of Urology</i> , 2020, 203, 536-536.	0.2	0
29	Simultaneous transrectal ultrasound and photoacoustic human prostate imaging. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	87
30	Generalizable Multi-Site Training and Testing Of Deep Neural Networks Using Image Normalization. , 2019, 2019, 348-351.		37
31	Applying the PRECISION approach in biopsy naïve and previously negative prostate biopsy patients. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2019, 37, 530.e19-530.e24.	0.8	4
32	Point Shear Wave Elastography Using Machine Learning to Differentiate Renal Cell Carcinoma and Angiomyolipoma. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1944-1954.	0.7	10
33	Teaching Urologists “How to Read Multi-Parametric Prostate MRIs Using PIRADSv2”: Results of an eBook Pilot Study. <i>Urology</i> , 2019, 131, 40-45.	0.5	8
34	Multimodality Hyperpolarized C-13 MRS/PET/Multiparametric MR Imaging for Detection and Image-Guided Biopsy of Prostate Cancer: First Experience in a Canine Prostate Cancer Model. <i>Molecular Imaging and Biology</i> , 2019, 21, 861-870.	1.3	6
35	Validation of an epigenetic field of susceptibility to detect significant prostate cancer from non-tumor biopsies. <i>Clinical Epigenetics</i> , 2019, 11, 168.	1.8	7
36	Prostate Magnetic Resonance Imaging Interpretation Varies Substantially Across Radiologists. <i>European Urology Focus</i> , 2019, 5, 592-599.	1.6	179

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37	Framework for the co-registration of MRI and histology images in prostate cancer patients with radical prostatectomy. , 2019, , .		4
38	The impact of computed high b-value images on the diagnostic accuracy of DWI for prostate cancer: A receiver operating characteristics analysis. Scientific Reports, 2018, 8, 3409.	1.6	13
39	Reduction of Muscle Contractions during Irreversible Electroporation Therapy Using High-Frequency Bursts of Alternating Polarity Pulses: A Laboratory Investigation in an ExVivo Swine Model. Journal of Vascular and Interventional Radiology, 2018, 29, 893-898.e4.	0.2	46
40	The Research Implications of Prostate Specific Antigen Registry Errors: Data from the Veterans Health Administration. Journal of Urology, 2018, 200, 541-548.	0.2	11
41	Incident CKD after Radical or Partial Nephrectomy. Journal of the American Society of Nephrology: JASN, 2018, 29, 207-216.	3.0	55
42	Editorial Comment. Journal of Urology, 2018, 199, 104-105.	0.2	0
43	Performance of multiparametric MRI appears better when measured in patients who undergo radical prostatectomy. Research and Reports in Urology, 2018, Volume 10, 233-235.	0.6	5
44	Gallium 68 PSMA-11 PET/MR Imaging in Patients with Intermediate- or High-Risk Prostate Cancer. Radiology, 2018, 288, 495-505.	3.6	97
45	Editorial Comment. Journal of Urology, 2018, 200, 318-318.	0.2	0
46	Diagnosis of prostate cancer by desorption electrospray ionization mass spectrometric imaging of small metabolites and lipids. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3334-3339.	3.3	174
47	Commentary regarding a recent collaborative consensus statement addressing prostate MRI and MRI-targeted biopsy in patients with a prior negative prostate biopsy. Abdominal Radiology, 2017, 42, 346-349.	1.0	8
48	Contemporary Use of Partial Nephrectomy: Are Older Patients With Impaired Kidney Function Being Left Behind?. Urology, 2017, 100, 65-71.	0.5	25
49	Accuracy of Prostate-Specific Antigen Values in Prostate Cancer Registries. Journal of Clinical Oncology, 2016, 34, 3586-3587.	0.8	8
50	NCCN Guidelines Insights: Prostate Cancer Early Detection, Version 2.2016. Journal of the National Comprehensive Cancer Network: JNCCN, 2016, 14, 509-519.	2.3	268
51	MP05-15 PROSTATE CANCER YIELD IN MRI LESIONS VARIES ACROSS RADIOLOGISTS. Journal of Urology, 2016, 195, .	0.2	0
52	Production of Spherical Ablations Using Nonthermal Irreversible Electroporation: A Laboratory Investigation Using a Single Electrode and Grounding Pad. Journal of Vascular and Interventional Radiology, 2016, 27, 1432-1440.e3.	0.2	20
53	Prostate Magnetic Resonance Imaging and Magnetic Resonance Imaging Targeted Biopsy in Patients with a Prior Negative Biopsy: A Consensus Statement by AUA and SAR. Journal of Urology, 2016, 196, 1613-1618.	0.2	305
54	Fluorescent Image-Guided Surgery with an Anti-Prostate Stem Cell Antigen (PSCA) Diabody Enables Targeted Resection of Mouse Prostate Cancer Xenografts in Real Time. Clinical Cancer Research, 2016, 22, 1403-1412.	3.2	40

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55	Prostate Cancer Early Detection, Version 2.2015. Journal of the National Comprehensive Cancer Network: JNCCN, 2015, 13, 1534-1561.	2.3	55
56	Gleason 6 Prostate Cancer: Translating Biology into Population Health. Journal of Urology, 2015, 194, 626-634.	0.2	75
57	Multiparametric Magnetic Resonance Imaging for Prostate Cancer. , 2015, , 141-166.		0
58	The Role of Magnetic Resonance Imaging in Delineating Clinically Significant Prostate Cancer. Urology, 2014, 83, 369-375.	0.5	60
59	Initial experience with electronic tracking of specific tumor sites in men undergoing active surveillance of prostate cancer. Urologic Oncology: Seminars and Original Investigations, 2014, 32, 952-957.	0.8	33
60	Targeted Prostate Biopsy to Select Men for Active Surveillance: Do the Epstein Criteria Still Apply?. Journal of Urology, 2014, 192, 385-390.	0.2	114
61	Magnetic Resonance Imaging-Ultrasound Fusion Biopsy for Prediction of Final Prostate Pathology. Journal of Urology, 2014, 192, 1367-1373.	0.2	121
62	Value of Targeted Prostate Biopsy Using Magnetic Resonanceâ€“Ultrasound Fusion in Men with Prior Negative Biopsy and Elevated Prostate-specific Antigen. European Urology, 2014, 65, 809-815.	0.9	337
63	Target detection: Magnetic resonance imaging-ultrasound fusionâ€“guided prostate biopsy. Urologic Oncology: Seminars and Original Investigations, 2014, 32, 903-911.	0.8	91
64	Deletions of chromosomes 3p and 14q molecularly subclassify clear cell renal cell carcinoma. Cancer, 2013, 119, 1547-1554.	2.0	48
65	Targeted Biopsy in the Detection of Prostate Cancer Using an Office Based Magnetic Resonance Ultrasound Fusion Device. Journal of Urology, 2013, 189, 86-92.	0.2	276
66	Differing Perceptions of Quality of Life in Patients With Prostate Cancer and Their Doctors. Journal of Urology, 2013, 189, S59-65; discussion S65.	0.2	62
67	Gain of chromosome 8q is associated with metastases and poor survival of patients with clear cell renal cell carcinoma. Cancer, 2012, 118, 5777-5782.	2.0	46
68	Nonâ€“clear cell histology in patients with metastatic RCC as a prognostic indicator in the targeted therapy era.. Journal of Clinical Oncology, 2012, 30, 454-454.	0.8	1
69	Systemic therapy for metastatic renal cell carcinoma: a review and update. Reviews in Urology, 2012, 14, 65-78.	0.9	18
70	Dynamic Real-time Microscopy of the Urinary Tract Using Confocal Laser Endomicroscopy. Urology, 2011, 78, 225-231.	0.5	120
71	Electrochemical immunosensor detection of urinary lactoferrin in clinical samples for urinary tract infection diagnosis. Biosensors and Bioelectronics, 2010, 26, 649-654.	5.3	88
72	833 IS SURVEILLANCE FOR STAGE I SEMINOMA TRULY A LOW RISK OPTION?: ESTIMATING IMAGING RELATED RADIATION EXPOSURE AND THE RISK OF SECONDARY MALIGNANCY. Journal of Urology, 2010, 183, .	0.2	0

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73	Fibred Confocal Microscopy of Bladder Tumors: An <i>in Vivo</i> Study. Journal of Endourology, 2009, 23, 197-202.	1.1	44
74	Optical Biopsy of Human Bladder Neoplasia With In Vivo Confocal Laser Endomicroscopy. Journal of Urology, 2009, 182, 1299-1305.	0.2	170
75	Differing Perceptions of Quality of Life in Patients With Prostate Cancer and Their Doctors. Journal of Urology, 2009, 182, 2296-2302.	0.2	99
76	Management of Wilms tumor: current standard of care. Nature Reviews Urology, 2008, 5, 551-560.	1.4	47
77	Spirituality influences health related quality of life in men with prostate cancer. Psycho-Oncology, 2006, 15, 121-131.	1.0	134
78	Impact of diet on prostate cancer: a review. Prostate Cancer and Prostatic Diseases, 2005, 8, 304-310.	2.0	137
79	Ethnic variation in health-related quality of life among low-income men with prostate cancer. Ethnicity and Disease, 2005, 15, 461-8.	1.0	37