## **Geoffrey A Sonn**

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Value of Targeted Prostate Biopsy Using Magnetic Resonance–Ultrasound Fusion in Men with Prior Negative Biopsy and Elevated Prostate-specific Antigen. European Urology, 2014, 65, 809-815.	1.9	337
2	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.	0.4	305
3	Targeted Biopsy in the Detection of Prostate Cancer Using an Office Based Magnetic Resonance Ultrasound Fusion Device. Journal of Urology, 2013, 189, 86-92.	0.4	276
4	NCCN Guidelines Insights: Prostate Cancer Early Detection, Version 2.2016. Journal of the National Comprehensive Cancer Network: JNCCN, 2016, 14, 509-519.	4.9	268
5	Prostate Magnetic Resonance Imaging Interpretation Varies Substantially Across Radiologists. European Urology Focus, 2019, 5, 592-599.	3.1	179
6	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.	7.1	174
7	Optical Biopsy of Human Bladder Neoplasia With In Vivo Confocal Laser Endomicroscopy. Journal of Urology, 2009, 182, 1299-1305.	0.4	170
8	Impact of diet on prostate cancer: a review. Prostate Cancer and Prostatic Diseases, 2005, 8, 304-310.	3.9	137
9	Spirituality influences health related quality of life in men with prostate cancer. Psycho-Oncology, 2006, 15, 121-131.	2.3	134
10	Magnetic Resonance Imaging-Ultrasound Fusion Biopsy for Prediction of Final Prostate Pathology. Journal of Urology, 2014, 192, 1367-1373.	0.4	121
11	Dynamic Real-time Microscopy of the Urinary Tract Using Confocal Laser Endomicroscopy. Urology, 2011, 78, 225-231.	1.0	120
12	Targeted Prostate Biopsy to Select Men for Active Surveillance: Do the Epstein Criteria Still Apply?. Journal of Urology, 2014, 192, 385-390.	0.4	114
13	Differing Perceptions of Quality of Life in Patients With Prostate Cancer and Their Doctors. Journal of Urology, 2009, 182, 2296-2302.	0.4	99
14	Gallium 68 PSMA-11 PET/MR Imaging in Patients with Intermediate- or High-Risk Prostate Cancer. Radiology, 2018, 288, 495-505.	7.3	97
15	Target detection: Magnetic resonance imaging-ultrasound fusion–guided prostate biopsy. Urologic Oncology: Seminars and Original Investigations, 2014, 32, 903-911.	1.6	91
16	Electrochemical immunosensor detection of urinary lactoferrin in clinical samples for urinary tract infection diagnosis. Biosensors and Bioelectronics, 2010, 26, 649-654.	10.1	88
17	Simultaneous transrectal ultrasound and photoacoustic human prostate imaging. Science Translational Medicine, 2019, 11, .	12.4	87
18	Gleason 6 Prostate Cancer: Translating Biology into Population Health. Journal of Urology, 2015, 194, 626-634.	0.4	75

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19	Differing Perceptions of Quality of Life in Patients With Prostate Cancer and Their Doctors. Journal of Urology, 2013, 189, S59-65; discussion S65.	0.4	62
20	The Role of Magnetic Resonance Imaging in Delineating Clinically Significant Prostate Cancer. Urology, 2014, 83, 369-375.	1.0	60
21	Prostate Cancer Early Detection, Version 2.2015. Journal of the National Comprehensive Cancer Network: JNCCN, 2015, 13, 1534-1561.	4.9	55
22	Incident CKD after Radical or Partial Nephrectomy. Journal of the American Society of Nephrology: JASN, 2018, 29, 207-216.	6.1	55
23	Deletions of chromosomes 3p and 14q molecularly subclassify clear cell renal cell carcinoma. Cancer, 2013, 119, 1547-1554.	4.1	48
24	Management of Wilms tumor: current standard of care. Nature Reviews Urology, 2008, 5, 551-560.	1.4	47
25	Gain of chromosome 8q is associated with metastases and poor survival of patients with clear cell renal cell carcinoma. Cancer, 2012, 118, 5777-5782.	4.1	46
26	Reduction of Muscle Contractions during Irreversible Electroporation Therapy Using High-Frequency Bursts of Alternating Polarity Pulses: A Laboratory Investigation in an ExÂVivo Swine Model. Journal of Vascular and Interventional Radiology, 2018, 29, 893-898.e4.	0.5	46
27	ProsRegNet: A deep learning framework for registration of MRI and histopathology images of the prostate. Medical Image Analysis, 2021, 68, 101919.	11.6	46
28	Fibered Confocal Microscopy of Bladder Tumors: An <i>ex Vivo</i> Study. Journal of Endourology, 2009, 23, 197-202.	2.1	44
29	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.	7.0	40
30	Identification of diagnostic metabolic signatures in clear cell renal cell carcinoma using mass spectrometry imaging. International Journal of Cancer, 2020, 147, 256-265.	5.1	38
31	Generalizable Multi-Site Training and Testing Of Deep Neural Networks Using Image Normalization. , 2019, 2019, 348-351.		37
32	Ethnic variation in health-related quality of life among low-income men with prostate cancer. Ethnicity and Disease, 2005, 15, 461-8.	2.3	37
33	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.	1.6	33
34	Registration of presurgical MRI and histopathology images from radical prostatectomy via RAPSODI. Medical Physics, 2020, 47, 4177-4188.	3.0	28
35	Automated detection of aggressive and indolent prostate cancer on magnetic resonance imaging. Medical Physics, 2021, 48, 2960-2972.	3.0	27
36	Superiorized Photo-Acoustic Non-NEgative Reconstruction (SPANNER) for Clinical Photoacoustic Imaging. IEEE Transactions on Medical Imaging, 2021, 40, 1888-1897.	8.9	26

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37	3D Registration of pre-surgical prostate MRI and histopathology images via super-resolution volume reconstruction. Medical Image Analysis, 2021, 69, 101957.	11.6	26
38	Contemporary Use of Partial Nephrectomy: Are Older Patients With Impaired Kidney Function Being Left Behind?. Urology, 2017, 100, 65-71.	1.0	25
39	Selective identification and localization of indolent and aggressive prostate cancers via CorrSigNIA: an MRI-pathology correlation and deep learning framework. Medical Image Analysis, 2022, 75, 102288.	11.6	25
40	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.	0.5	20
41	Image quality assessment for machine learning tasks using meta-reinforcement learning. Medical Image Analysis, 2022, 78, 102427.	11.6	19
42	Systemic therapy for metastatic renal cell carcinoma: a review and update. Reviews in Urology, 2012, 14, 65-78.	0.9	18
43	Multicenter analysis of clinical and MRI characteristics associated with detecting clinically significant prostate cancer in PI-RADS (v2.0) category 3 lesions. Urologic Oncology: Seminars and Original Investigations, 2020, 38, 637.e9-637.e15.	1.6	17
44	Deep Learning Improves Speed and Accuracy of Prostate Gland Segmentations on Magnetic Resonance Imaging for Targeted Biopsy. Journal of Urology, 2021, 206, 604-612.	0.4	16
45	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.	3.3	13
46	Multiâ€institutional analysis of clinical and imaging risk factors for detecting clinically significant prostate cancer in men with <scp>Plâ€RADS</scp> 3 lesions. Cancer, 2022, 128, 3287-3296.	4.1	13
47	The Research Implications of Prostate Specific Antigen Registry Errors: Data from the Veterans Health Administration. Journal of Urology, 2018, 200, 541-548.	0.4	11
48	The stanford prostate cancer calculator: Development and external validation of online nomograms incorporating PIRADS scores to predict clinically significant prostate cancer. Urologic Oncology: Seminars and Original Investigations, 2021, 39, 831.e19-831.e27.	1.6	11
49	Point Shear Wave Elastography Using Machine Learning to Differentiate Renal Cell Carcinoma and Angiomyolipoma. Ultrasound in Medicine and Biology, 2019, 45, 1944-1954.	1.5	10
50	Mapping PSA density to outcome of MRI-based active surveillance for prostate cancer through joint longitudinal-survival models. Prostate Cancer and Prostatic Diseases, 2021, 24, 1028-1031.	3.9	10
51	CorrSigNet: Learning CORRelated Prostate Cancer SIGnatures from Radiology and Pathology Images for Improved Computer Aided Diagnosis. Lecture Notes in Computer Science, 2020, , 315-325.	1.3	10
52	Bridging the gap between prostate radiology and pathology through machine learning. Medical Physics, 2022, 49, 5160-5181.	3.0	10
53	Accuracy of Prostate-Specific Antigen Values in Prostate Cancer Registries. Journal of Clinical Oncology, 2016, 34, 3586-3587.	1.6	8
54	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.	2.1	8

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55	Teaching Urologists "How to Read Multi-Parametric Prostate MRIs Using PIRADSv2― Results of an iBook Pilot Study. Urology, 2019, 131, 40-45.	1.0	8
56	Variation in Magnetic Resonance Imaging-Ultrasound Fusion Targeted Biopsy Outcomes in Asian American Men: A Multicenter Study. Journal of Urology, 2020, 203, 530-536.	0.4	8
57	Validation of an epigenetic field of susceptibility to detect significant prostate cancer from non-tumor biopsies. Clinical Epigenetics, 2019, 11, 168.	4.1	7
58	How Often is the Dynamic Contrast Enhanced Score Needed in PI-RADS Version 2?. Current Problems in Diagnostic Radiology, 2020, 49, 173-176.	1.4	7
59	Weakly Supervised Registration ofÂProstate MRI and Histopathology Images. Lecture Notes in Computer Science, 2021, , 98-107.	1.3	7
60	Utility of PSA Density in Predicting Upgraded Gleason Score in Men on Active Surveillance With Negative MRI. Urology, 2021, 155, 96-100.	1.0	7
61	Computational Detection of Extraprostatic Extension of Prostate Cancer on Multiparametric MRI Using Deep Learning. Cancers, 2022, 14, 2821.	3.7	7
62	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. Molecular Imaging and Biology, 2019, 21, 861-870.	2.6	6
63	Performance of multiparametric MRI appears better when measured in patients who undergo radical prostatectomy. Research and Reports in Urology, 2018, Volume 10, 233-235.	1.0	5
64	Applying the PRECISION approach in biopsy naÃ <sup>-</sup> ve and previously negative prostate biopsy patients. Urologic Oncology: Seminars and Original Investigations, 2019, 37, 530.e19-530.e24.	1.6	4
65	Adaptable Image Quality Assessment Using Meta-Reinforcement Learning of Task Amenability. Lecture Notes in Computer Science, 2021, , 191-201.	1.3	4
66	Framework for the co-registration of MRI and histology images in prostate cancer patients with radical prostatectomy. , 2019, , .		4
67	Intensity normalization of prostate MRIs using conditional generative adversarial networks for cancer detection. , 2021, , .		3
68	Clinically significant prostate cancer detection on MRI with self-supervised learning using image context restoration. , 2021, , .		2
69	ProGNet: prostate gland segmentation on MRI with deep learning. , 2021, , .		2
70	Consumption of cruciferous vegetables and the risk of bladder cancer in a prospective US cohort: data from the NIH-AARP diet and health study. American Journal of Clinical and Experimental Urology, 2021, 9, 229-238.	0.4	2
71	Non–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.	1.6	1
72	Integrating zonal priors and pathomic MRI biomarkers for improved aggressive prostate cancer detection on MRI. , 2022, , .		1

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73	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, .	0.4	0
74	MP05-15 PROSTATE CANCER YIELD IN MRI LESIONS VARIES ACROSS RADIOLOGISTS. Journal of Urology, 2016, 195, .	0.4	0
75	Editorial Comment. Journal of Urology, 2018, 199, 104-105.	0.4	0
76	Editorial Comment. Journal of Urology, 2018, 200, 318-318.	0.4	0
77	MR method for measuring microscopic histologic soft tissue textures. Magnetic Resonance in Medicine, 2021, 86, 308-319.	3.0	0
78	Multiparametric Magnetic Resonance Imaging for Prostate Cancer. , 2015, , 141-166.		0
79	Reply by Authors. Journal of Urology, 2020, 203, 536-536.	0.4	0