

# Geoffrey A Sonn

## List of Publications by Year in descending order

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79  
papers

4,002  
citations

136940

32  
h-index

118840

62  
g-index

79  
all docs

79  
docs citations

79  
times ranked

5387  
citing authors

#	ARTICLE	IF	CITATIONS
1	Value of Targeted Prostate Biopsy Using Magnetic Resonanceâ€“Ultrasound Fusion in Men with Prior Negative Biopsy and Elevated Prostate-specific Antigen. <i>European Urology</i> , 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. <i>Journal of Urology</i> , 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. <i>Journal of Urology</i> , 2013, 189, 86-92.	0.4	276
4	NCCN Guidelines Insights: Prostate Cancer Early Detection, Version 2.2016. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2016, 14, 509-519.	4.9	268
5	Prostate Magnetic Resonance Imaging Interpretation Varies Substantially Across Radiologists. <i>European Urology Focus</i> , 2019, 5, 592-599.	3.1	179
6	Diagnosis of prostate cancer by desorption electrospray ionization mass spectrometric imaging of small metabolites and lipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3334-3339.	7.1	174
7	Optical Biopsy of Human Bladder Neoplasia With In Vivo Confocal Laser Endomicroscopy. <i>Journal of Urology</i> , 2009, 182, 1299-1305.	0.4	170
8	Impact of diet on prostate cancer: a review. <i>Prostate Cancer and Prostatic Diseases</i> , 2005, 8, 304-310.	3.9	137
9	Spirituality influences health related quality of life in men with prostate cancer. <i>Psycho-Oncology</i> , 2006, 15, 121-131.	2.3	134
10	Magnetic Resonance Imaging-Ultrasound Fusion Biopsy for Prediction of Final Prostate Pathology. <i>Journal of Urology</i> , 2014, 192, 1367-1373.	0.4	121
11	Dynamic Real-time Microscopy of the Urinary Tract Using Confocal Laser Endomicroscopy. <i>Urology</i> , 2011, 78, 225-231.	1.0	120
12	Targeted Prostate Biopsy to Select Men for Active Surveillance: Do the Epstein Criteria Still Apply?. <i>Journal of Urology</i> , 2014, 192, 385-390.	0.4	114
13	Differing Perceptions of Quality of Life in Patients With Prostate Cancer and Their Doctors. <i>Journal of Urology</i> , 2009, 182, 2296-2302.	0.4	99
14	Gallium 68 PSMA-11 PET/MR Imaging in Patients with Intermediate- or High-Risk Prostate Cancer. <i>Radiology</i> , 2018, 288, 495-505.	7.3	97
15	Target detection: Magnetic resonance imaging-ultrasound fusionâ€“guided prostate biopsy. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2014, 32, 903-911.	1.6	91
16	Electrochemical immunosensor detection of urinary lactoferrin in clinical samples for urinary tract infection diagnosis. <i>Biosensors and Bioelectronics</i> , 2010, 26, 649-654.	10.1	88
17	Simultaneous transrectal ultrasound and photoacoustic human prostate imaging. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	87
18	Gleason 6 Prostate Cancer: Translating Biology into Population Health. <i>Journal of Urology</i> , 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. <i>Journal of Urology</i> , 2013, 189, S59-65; discussion S65.	0.4	62
20	The Role of Magnetic Resonance Imaging in Delineating Clinically Significant Prostate Cancer. <i>Urology</i> , 2014, 83, 369-375.	1.0	60
21	Prostate Cancer Early Detection, Version 2.2015. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2015, 13, 1534-1561.	4.9	55
22	Incident CKD after Radical or Partial Nephrectomy. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 207-216.	6.1	55
23	Deletions of chromosomes 3p and 14q molecularly subclassify clear cell renal cell carcinoma. <i>Cancer</i> , 2013, 119, 1547-1554.	4.1	48
24	Management of Wilms tumor: current standard of care. <i>Nature Reviews Urology</i> , 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. <i>Cancer</i> , 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 Ex Vivo Swine Model. <i>Journal of Vascular and Interventional Radiology</i> , 2018, 29, 893-898.e4.	0.5	46
27	ProsRegNet: A deep learning framework for registration of MRI and histopathology images of the prostate. <i>Medical Image Analysis</i> , 2021, 68, 101919.	11.6	46
28	Fibered Confocal Microscopy of Bladder Tumors: An <i>in vivo</i> Study. <i>Journal of Endourology</i> , 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. <i>Clinical Cancer Research</i> , 2016, 22, 1403-1412.	7.0	40
30	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.	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. <i>Ethnicity and Disease</i> , 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. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2014, 32, 952-957.	1.6	33
34	Registration of presurgical MRI and histopathology images from radical prostatectomy via RAPSODI. <i>Medical Physics</i> , 2020, 47, 4177-4188.	3.0	28
35	Automated detection of aggressive and indolent prostate cancer on magnetic resonance imaging. <i>Medical Physics</i> , 2021, 48, 2960-2972.	3.0	27
36	Superiorized Photo-Acoustic Non-NEGative Reconstruction (SPANNER) for Clinical Photoacoustic Imaging. <i>IEEE Transactions on Medical Imaging</i> , 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. <i>Medical Image Analysis</i> , 2021, 69, 101957.	11.6	26
38	Contemporary Use of Partial Nephrectomy: Are Older Patients With Impaired Kidney Function Being Left Behind?. <i>Urology</i> , 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. <i>Medical Image Analysis</i> , 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. <i>Journal of Vascular and Interventional Radiology</i> , 2016, 27, 1432-1440.e3.	0.5	20
41	Image quality assessment for machine learning tasks using meta-reinforcement learning. <i>Medical Image Analysis</i> , 2022, 78, 102427.	11.6	19
42	Systemic therapy for metastatic renal cell carcinoma: a review and update. <i>Reviews in Urology</i> , 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. <i>Urologic Oncology: Seminars and Original Investigations</i> , 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. <i>Journal of Urology</i> , 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. <i>Scientific Reports</i> , 2018, 8, 3409.	3.3	13
46	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.	4.1	13
47	The Research Implications of Prostate Specific Antigen Registry Errors: Data from the Veterans Health Administration. <i>Journal of Urology</i> , 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. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2021, 39, 831.e19-831.e27.	1.6	11
49	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.	1.5	10
50	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.	3.9	10
51	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.	1.3	10
52	Bridging the gap between prostate radiology and pathology through machine learning. <i>Medical Physics</i> , 2022, 49, 5160-5181.	3.0	10
53	Accuracy of Prostate-Specific Antigen Values in Prostate Cancer Registries. <i>Journal of Clinical Oncology</i> , 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. <i>Abdominal Radiology</i> , 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. <i>Urology</i> , 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. <i>Journal of Urology</i> , 2020, 203, 530-536.	0.4	8
57	Validation of an epigenetic field of susceptibility to detect significant prostate cancer from non-tumor biopsies. <i>Clinical Epigenetics</i> , 2019, 11, 168.	4.1	7
58	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.	1.4	7
59	Weakly Supervised Registration of Prostate MRI and Histopathology Images. <i>Lecture Notes in Computer Science</i> , 2021, , 98-107.	1.3	7
60	Utility of PSA Density in Predicting Upgraded Gleason Score in Men on Active Surveillance With Negative MRI. <i>Urology</i> , 2021, 155, 96-100.	1.0	7
61	Computational Detection of Extraprostatic Extension of Prostate Cancer on Multiparametric MRI Using Deep Learning. <i>Cancers</i> , 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. <i>Molecular Imaging and Biology</i> , 2019, 21, 861-870.	2.6	6
63	Performance of multiparametric MRI appears better when measured in patients who undergo radical prostatectomy. <i>Research and Reports in Urology</i> , 2018, Volume 10, 233-235.	1.0	5
64	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.	1.6	4
65	Adaptable Image Quality Assessment Using Meta-Reinforcement Learning of Task Amenability. <i>Lecture Notes in Computer Science</i> , 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. <i>American Journal of Clinical and Experimental Urology</i> , 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.. <i>Journal of Clinical Oncology</i> , 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	MPO5-15 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