Hessel Wijkstra

List of Publications by Year
in descending order

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300 papers	7,752 citations	50276 46 h-index	76900 74 g-index
317 all docs	317 docs citations	317 times ranked	5396 citing authors

#	Article	IF	Citations
1	The EFSUMB Guidelines and Recommendations for the Clinical Practice of Contrast-Enhanced Ultrasound (CEUS) in Non-Hepatic Applications: Update 2017 (Long Version). Ultraschall in Der Medizin, 2018, 39, e2-e44.	1.5	627
2	Diagnostic Accuracy of Noninvasive Tests to Evaluate Bladder Outlet Obstruction in Men: Detrusor Wall Thickness, Uroflowmetry, Postvoid Residual Urine, and Prostate Volume. European Urology, 2007, 52, 827-835.	1.9	203
3	The EFSUMB Guidelines and Recommendations for the Clinical Practice of Contrast-Enhanced Ultrasound (CEUS) in Non-Hepatic Applications: Update 2017 (Short Version). Ultraschall in Der Medizin, 2018, 39, 154-180.	1.5	196
4	Focal Therapy in Prostate Cancerâ€"Report from a Consensus Panel. Journal of Endourology, 2010, 24, 775-780.	2.1	173
5	Age and Bladder Outlet Obstruction Are Independently Associated with Detrusor Overactivity in Patients with Benign Prostatic Hyperplasia. European Urology, 2008, 54, 419-426.	1.9	162
6	Angiogenesis in prostate cancer: onset, progression and imaging. BJU International, 2012, 110, E794-808.	2.5	150
7	Contrast-enhanced three-dimensional power doppler angiography of the human prostate: correlation with biopsy outcome. Urology, 1999, 54, 97-104.	1.0	140
8	Contrast-Ultrasound Diffusion Imaging for Localization of Prostate Cancer. IEEE Transactions on Medical Imaging, 2011, 30, 1493-1502.	8.9	115
9	First-in-Human Ultrasound Molecular Imaging With a VEGFR2-Specific Ultrasound Molecular Contrast Agent (BR55) in Prostate Cancer. Investigative Radiology, 2017, 52, 419-427.	6.2	112
10	Ultrasound measurement of detrusor wall thickness in healthy adults. Neurourology and Urodynamics, 2006, 25, 308-317.	1.5	111
11	Contrast-Enhanced Ultrasound and Prostate Cancer; A Multicentre European Research Coordination Project. European Urology, 2008, 54, 982-993.	1.9	111
12	Follow-up modalities in focal therapy for prostate cancer: results from a Delphi consensus project. World Journal of Urology, 2015, 33, 1503-1509.	2.2	108
13	Microvessel Density: Correlation between Contrast Ultrasonography and Histology of Prostate Cancer. European Urology, 2001, 40, 285-293.	1.9	95
14	Multiparametric ultrasound in the detection of prostate cancer: a systematic review. World Journal of Urology, 2015, 33, 1651-1659.	2.2	91
15	Results of the Treatment of Neurogenic Bladder Dysfunction in Spinal Cord Injury by Sacral Posterior Root Rhizotomy and Anterior Sacral Root Stimulation. Journal of Urology, 1996, 155, 1378-1381.	0.4	90
16	The value of magnetic resonance imaging and ultrasonography (MRI/US)â€fusion biopsy platforms in prostate cancer detection: a systematic review. BJU International, 2016, 117, 392-400.	2.5	90
17	TRANSRECTAL ULTRASOUND OF THE PROSTATE: INNOVATIONS AND FUTURE APPLICATIONS. Journal of Urology, 1998, 159, 1568-1579.	0.4	87
18	Clinical Diagnosis of Bladder Outlet Obstruction in Patients with Benign Prostatic Enlargement and Lower Urinary Tract Symptoms: Development and Urodynamic Validation of a Clinical Prostate Score for the Objective Diagnosis of Bladder Outlet Obstruction. Journal of Urology, 1996, 155, 1649-1654.	0.4	84

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19	Quantitative microbubble enhanced transrectal ultrasound as a tool for monitoring hormonal treatment of prostate carcinoma. Prostate, 2002, 51, 256-267.	2.3	80
20	The role of magnetic resonance imaging (<scp>MRI</scp>) in focal therapy for prostate cancer: recommendations from a consensus panel. BJU International, 2014, 113, 218-227.	2.5	80
21	Contrast-Ultrasound Dispersion Imaging for Prostate Cancer Localization by Improved Spatiotemporal Similarity Analysis. Ultrasound in Medicine and Biology, 2013, 39, 1631-1641.	1.5	78
22	Role of transrectal ultrasonography (TRUS) in focal therapy of prostate cancer: report from a Consensus Panel. BJU International, 2012, 110, 942-948.	2.5	77
23	Super-Resolution Ultrasound Localization Microscopy Through Deep Learning. IEEE Transactions on Medical Imaging, 2021, 40, 829-839.	8.9	77
24	Urinary bladder control by electrical stimulation: Review of electrical stimulation techniques in spinal cord injury. , 1997, 16, 39-53.		73
25	Analysis of ultrasonographic prostate images for the detection of prostatic carcinoma: The Automated Urologic Diagnostic Expert system. Ultrasound in Medicine and Biology, 1994, 20, 1-10.	1.5	72
26	The correlation between prostate volume, transition zone volume, transition zone index and clinical and urodynamic investigations in patients with lower urinary tract symptoms. BJU International, 1997, 80, 84-90.	2.5	70
27	Penile Duplex Pharmaco-Ultrasonography Revisited: Revalidation of the Parameters of the Cavernous Arterial Response. Journal of Urology, 2003, 169, 216-220.	0.4	69
28	Three-dimensional contrast-enhanced power Doppler ultrasonography and conventional examination methods: the value of diagnostic predictors of prostate cancer. BJU International, 2007, 86, 58-64.	2.5	69
29	Selective stimulation of sacral nerve roots for bladder control: A study by computer modeling. IEEE Transactions on Biomedical Engineering, 1994, 41, 413-424.	4.2	67
30	Variability of Pressure-Flow Analysis Parameters in Repeated Cystometry in Patients with Benign Prostatic Hyperplasia. Journal of Urology, 1995, 153, 1520-1525.	0.4	66
31	Angiogenesis imaging by spatiotemporal analysis of ultrasound contrast agent dispersion kinetics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 621-629.	3.0	66
32	Automated multiparametric localization of prostate cancer based on B-mode, shear-wave elastography, and contrast-enhanced ultrasound radiomics. European Radiology, 2020, 30, 806-815.	4.5	65
33	A practical clinical method for contour determination in ultrasonographic prostate images. Ultrasound in Medicine and Biology, 1994, 20, 705-717.	1.5	61
34	Selective Detrusor Activation By Electrical Sacral Nerve Root Stimulation in Spinal Cord Injury. Journal of Urology, 1997, 157, 1504-1508.	0.4	60
35	The Application of Three–Dimensional Contrast–Enhanced Ultrasound to Measure Volume of Affected Tissue after HIFU Treatment for Localized Prostate Cancer. European Urology, 2000, 37, 559-568.	1.9	59
36	Î±-BLOCKADE IMPROVES SYMPTOMS SUGGESTIVE OF BLADDER OUTLET OBSTRUCTION BUT FAILS TO RELIEVE IT. Journal of Urology, 2001, 165, 38-41.	0.4	56

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37	The correlation between the electrode configuration and histopathology of irreversible electroporation ablations in prostate cancer patients. World Journal of Urology, 2016, 34, 657-664.	2.2	56
38	Edge detection in prostatic ultrasound images using integrated edge maps. Ultrasonics, 1998, 36, 635-642.	3.9	55
39	Urodynamic effects of alpha-adrenoceptor blockers: a review of clinical trials. Urology, 2003, 62, 1-9.	1.0	55
40	The role of nocturia in the quality of life of men with lower urinary tract symptoms. BJU International, 2010, 105, 1141-1146.	2.5	55
41	MRI and contrast-enhanced ultrasound imaging for evaluation of focal irreversible electroporation treatment: results from a phase I-II study in patients undergoing IRE followed by radical prostatectomy. European Radiology, 2016, 26, 2252-2260.	4.5	55
42	Current status of transrectal ultrasound techniques in prostate cancer. Current Opinion in Urology, 2012, 22, 297-302.	1.8	54
43	Novel contrast-enhanced ultrasound imaging in prostate cancer. World Journal of Urology, 2011, 29, 581-7.	2.2	50
44	Improved reliability of uroflowmetry investigations: results of a portable homeâ€based uroflowmetry study. BJU International, 1996, 78, 385-390.	2.5	49
45	Follow-up of renal masses after cryosurgery using computed tomography; enhancement patterns and cryolesion size. BJU International, 2008, 101, 1237-1242.	2.5	49
46	The Correlation Between Urodynamic and Cystoscopic Findings in Elderly Men with Voiding Complaints. Journal of Urology, 1996, 155, 1018-1022.	0.4	48
47	The safety and efficacy of irreversible electroporation for the ablation of prostate cancer: a multicentre prospective human in vivo pilot study protocol. BMJ Open, 2014, 4, e006382.	1.9	48
48	Is detrusor instability in elderly males related to the grade of obstruction?. Neurourology and Urodynamics, 1995, 14, 625-633.	1.5	47
49	The Value of Dynamic Contrast Enhanced Power Doppler Ultrasound Imaging in the Localization of Prostate Cancer. European Urology, 2003, 43, 124-131.	1.9	47
50	Correspondence - Spatiotemporal correlation of ultrasound contrast agent dilution curves for angiogenesis localization by dispersion imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 2665-2669.	3.0	46
51	Ultrasound-contrast-agent dispersion and velocity imaging for prostate cancer localization. Medical Image Analysis, 2017, 35, 610-619.	11.6	45
52	Artificial intelligence in multiparametric prostate cancer imaging with focus on deep-learning methods. Computer Methods and Programs in Biomedicine, 2020, 189, 105316.	4.7	44
53	Advanced Diagnostics in Renal Mass Using Optical Coherence Tomography: A Preliminary Report. Journal of Endourology, 2011, 25, 311-315.	2.1	43
54	Dynamic contrastâ€enhanced ultrasound parametric imaging for the detection of prostate cancer. BJU International, 2016, 117, 598-603.	2.5	43

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55	Role of multiparametric magnetic resonance imaging (<scp>MRI</scp>) in focal therapy for prostate cancer: a <scp>D</scp>elphi consensus project. BJU International, 2014, 114, 698-707.	2.5	42
56	Reproducibility of prostate volume measurements from transrectal ultrasonography by an automated and a manual technique. British Journal of Urology, 1996, 78, 219-223.	0.1	41
57	Contrast specific imaging in the detection and localization of prostate cancer. World Journal of Urology, 2004, 22, 346-350.	2.2	40
58	Optimizing Prostate Cancer Detection: 8 Versus 12-Core Biopsy Protocol. Journal of Urology, 2009, 182, 1329-1336.	0.4	40
59	Selective Sacral Root Stimulation for Bladder Control: Acute Experiments in an Animal Model. Journal of Urology, 1994, 151, 1674-1679.	0.4	39
60	Ultrasound imaging and contrast agents: A safe alternative to MRI?. Minimally Invasive Therapy and Allied Technologies, 2006, 15, 93-100.	1.2	39
61	Multiparametric dynamic contrast-enhanced ultrasound imaging of prostate cancer. European Radiology, 2017, 27, 3226-3234.	4.5	38
62	Validation of the Electronic Version of the International Index of Erectile Function (IIEF-5 and IIEF-15): A Crossover Study. Journal of Medical Internet Research, 2019, 21, e13490.	4.3	38
63	Intradural sacral rhizotomies and implantation of an anterior sacral root stimulator in the treatment of neurogenic bladder dysfunction after spinal cord injury. World Journal of Urology, 1991, 9, 126-132.	2.2	37
64	Prostate Cancer Risk Assessment in Biopsy-naÃ¯ve Patients: The Rotterdam Prostate Cancer Risk Calculator in Multiparametric Magnetic Resonance Imaging-Transrectal Ultrasound (TRUS) Fusion Biopsy and Systematic TRUS Biopsy. European Urology Oncology, 2018, 1, 109-117.	5.4	37
65	Automated Prostate Volume Determination with Ultrasonographic Imaging. Journal of Urology, 1995, 153, 1549-1554.	0.4	36
66	Quantitative assessment of uroflow: is there a orcadian rhythm?. Urology, 1997, 50, 221-228.	1.0	36
67	4-D spatiotemporal analysis of ultrasound contrast agent dispersion for prostate cancer localization: a feasibility study. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 839-851.	3.0	36
68	Prediction of Prostate Cancer: External Validation of the ERSPC Risk Calculator in a Contemporary Dutch Clinical Cohort. European Urology Focus, 2018, 4, 228-234.	3.1	36
69	Deep Learning for Real-time, Automatic, and Scanner-adapted Prostate (Zone) Segmentation of Transrectal Ultrasound, for Example, Magnetic Resonance Imagingâ€“transrectal Ultrasound Fusion Prostate Biopsy. European Urology Focus, 2021, 7, 78-85.	3.1	35
70	Three-dimensional grayscale ultrasound: evaluation of prostate cancer compared with benign prostatic hyperplasia. Urology, 2001, 57, 914-920.	1.0	34
71	Evaluation of Renal Masses with Contrast-Enhanced Ultrasound. Current Urology Reports, 2013, 14, 116-123.	2.2	34
72	Exploiting Flow Dynamics for Superresolution in Contrast-Enhanced Ultrasound. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1573-1586.	3.0	34

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73	Correlation of transrectal ultrasound, computer analysis of transrectal ultrasound and histopathology of radical prostatectomy specimen. Prostate Cancer and Prostatic Diseases, 2001, 4, 56-62.	3.9	33
74	Ultrasonography of Renal Masses Using Contrast Pulse Sequence Imaging: A Pilot Study. Journal of Endourology, 2007, 21, 466-472.	2.1	33
75	Multiparametric Ultrasound for Prostate Cancer Detection and Localization: Correlation of B-mode, Shear Wave Elastography and Contrast Enhanced Ultrasound with Radical Prostatectomy Specimens. Journal of Urology, 2019, 202, 1166-1173.	0.4	33
76	Acute animal studies on the use of an anodal block to reduce urethral resistance in sacral root stimulation. IEEE Transactions on Rehabilitation Engineering: A Publication of the IEEE Engineering in Medicine and Biology Society, 1994, 2, 92-99.	1.4	32
77	Analysis of Maximum Detrusor Contraction Power in Relation to Bladder Emptying in Patients with Lower Urinary Tract Symptoms and Benign Prostatic Enlargement. Journal of Urology, 1995, 154, 2137-2142.	0.4	32
78	Mathematical Models of Contrast Transport Kinetics for Cancer Diagnostic Imaging: A Review. IEEE Reviews in Biomedical Engineering, 2016, 9, 121-147.	18.0	32
79	Focal vs extended ablation in localized prostate cancer with irreversible electroporation; a multi-center randomized controlled trial. BMC Cancer, 2016, 16, 299.	2.6	32
80	Training in laparoscopic urology. Current Opinion in Urology, 2006, 16, 65-70.	1.8	31
81	Review on ultrasound measurement of bladder or detrusor wall thickness in women: techniques, diagnostic utility, and use in clinical trials. World Journal of Urology, 2013, 31, 1093-1104.	2.2	31
82	Contrast-Enhanced Ultrasound Quantification: From Kinetic Modeling to Machine Learning. Ultrasound in Medicine and Biology, 2020, 46, 518-543.	1.5	31
83	Bladder Pressure Sensors in an Animal Model. Journal of Urology, 1994, 151, 1379-1384.	0.4	30
84	Automated Analysis and Interpretation of Transrectal Ultrasonography Images in Patients with Prostatitis. European Urology, 1995, 27, 47-53.	1.9	30
85	Formula-Derived Prostate Volume Determination. European Urology, 1996, 29, 399-402.	1.9	30
86	Value of contrast ultrasonography in the detection of significant prostate cancer: Correlation with radical prostatectomy specimens. Prostate, 2002, 53, 246-253.	2.3	30
87	Role of voiding and storage symptoms for the quality of life before and after treatment in men with voiding dysfunction. World Journal of Urology, 2010, 28, 3-8.	2.2	29
88	Super-Resolution Contrast-Enhanced Ultrasound Methodology for the Identification of In Vivo Vascular Dynamics in 2D. Investigative Radiology, 2019, 54, 500-516.	6.2	29
89	Results of the Treatment of Neurogenic Bladder Dysfunction in Spinal Cord Injury by Sacral Posterior Root Rhizotomy and Anterior Sacral Root Stimulation. Journal of Urology, 1996, 155, 1378-1381.	0.4	29
90	Bladder Compliance after Posterior Sacral Root Rhizotomies and Anterior Sacral Root Stimulation. Journal of Urology, 1994, 151, 955-960.	0.4	27

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91	Selective Detrusor Activation by Electrical Stimulation of the Human SacralNerve Roots. Artificial Organs, 1997, 21, 223-226.	1.9	27
92	Cytological Punctures in the Diagnosis of Renal Tumours: A Study on Accuracy and Reproducibility. European Urology, 2009, 55, 187-198.	1.9	27
93	What is the added value of combined core biopsy and fine needle aspiration in the diagnostic process of renal tumours?. World Journal of Urology, 2013, 31, 823-827.	2.2	27
94	Contrast-Enhanced Ultrasound for the Evaluation of the Cryolesion After Laparoscopic Renal Cryoablation: An Initial Report. Journal of Endourology, 2013, 27, 402-407.	2.1	27
95	Magnetic Resonance Dispersion Imaging for Localization of Angiogenesis and Cancer Growth. Investigative Radiology, 2014, 49, 561-569.	6.2	27
96	Entropy of Ultrasound-Contrast-Agent Velocity Fields for Angiogenesis Imaging in Prostate Cancer. IEEE Transactions on Medical Imaging, 2017, 36, 826-837.	8.9	26
97	The added value of systematic biopsy in men with suspicion of prostate cancer undergoing multiparametric MRI-targeted biopsy. Urologic Oncology: Seminars and Original Investigations, 2019, 37, 298.e1-298.e9.	1.6	26
98	Computer Analysis of Transrectal Ultrasound Images of Prostate for Detection of Carcinoma: Prospective Study in Radical Prostatectomy Specimens. Journal of Urology, 1995, 154, 1397-1400.	0.4	25
99	The Value of Corpus Cavernosum Electromyography in Erectile Dysfunction: Current Status and Future Prospect. European Urology, 2003, 43, 211-218.	1.9	25
100	Multiparametric ultrasound: evaluation of greyscale, shear wave elastography and contrast-enhanced ultrasound for prostate cancer detection and localization in correlation to radical prostatectomy specimens. BMC Urology, 2018, 18, 98.	1.4	25
101	Motor Evoked Potentials from the Bladder on Magnetic Stimulation of the Cauda Equina: A New Technique for Investigation of Autonomic Bladder Innervation. Journal of Urology, 1992, 147, 658-661.	0.4	24
102	Contrast-enhanced ultrasonography in the follow-up of cryoablation of renal tumours: a feasibility study. BJU International, 2007, 99, 1371-1375.	2.5	24
103	Sparsity-driven super-resolution in clinical contrast-enhanced ultrasound. , 2017, , .		24
104	Selective detrusor activation by sacral ventral nerve-root stimulation: results of intraoperative testing in humans during implantation of a Finetech-Brindley system. World Journal of Urology, 1998, 16, 337-341.	2.2	23
105	LONG-TERM FUNCTIONAL AND URODYNAMIC RESULTS OF 50 PATIENTS RECEIVING A MODIFIED SIGMOID NEOBLADDER CREATED WITH A SHORT DISTAL SEGMENT. Journal of Urology, 2005, 174, 963-967.	0.4	23
106	Changes in the stage and surgical management of renal tumours during 1995â€“2005: an analysis of the Dutch national histopathology registry. BJU International, 2008, 102, 946-951.	2.5	23
107	The efficacy and safety of irreversible electroporation for the ablation of renal masses: a prospective, human, in-vivo study protocol. BMC Cancer, 2015, 15, 165.	2.6	23
108	Contrast-Enhanced Ultrasound Angiogenesis Imaging by Mutual Information Analysis for Prostate Cancer Localization. IEEE Transactions on Biomedical Engineering, 2017, 64, 661-670.	4.2	23

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109	The value of sildenafil as mode of stimulation in pharmaco-penile duplex ultrasonography. International Journal of Impotence Research, 2001, 13, 189-191.	1.8	22
110	Blind Source Separation for Clutter and Noise Suppression in Ultrasound Imaging: Review for Different Applications. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1497-1512.	3.0	22
111	A Computer model of the neural control of the lower urinary tract. Neurourology and Urodynamics, 1998, 17, 175-196.	1.5	21
112	The Bell-Shaped Nitinol Prostatic Stent in the Treatment of Lower Urinary Tract Symptoms: Experience in 108 Patients. European Urology, 2006, 49, 353-359.	1.9	21
113	Viscoelasticity Mapping by Identification of Local Shear Wave Dynamics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1666-1673.	3.0	21
114	Planimetric volumetry of the prostate: how accurate is it?. Physiological Measurement, 1995, 16, 141-150.	2.1	20
115	Laparoscopic renal cryoablation using ultrathin 17â€gauge cryoprobes: midâ€term oncological and functional results. BJU International, 2011, 108, 577-582.	2.5	20
116	3D surface-based registration of ultrasound and histology in prostate cancer imaging. Computerized Medical Imaging and Graphics, 2016, 47, 29-39.	5.8	19
117	Quantitative ultrasound molecular imaging by modeling the binding kinetics of targeted contrast agent. Physics in Medicine and Biology, 2017, 62, 2449-2464.	3.0	19
118	Urodynamic assessment in the laser treatment of benign prostatic enlargement. British Journal of Urology, 1995, 76, 604-610.	0.1	18
119	Urodynamic Results of Laser Treatment in Patients with Benign Prostatic Hyperplasia. Can Outlet Obstruction be Relieved?. Journal of Urology, 1995, 154, 174-180.	0.4	18
120	Contrast Angiosonography: A Technology to Improve Doppler Ultrasound Examinations of the Prostate. European Urology, 1999, 35, 9-20.	1.9	18
121	Cryotherapy for Renal-Cell Cancer: Diagnosis, Treatment, and Contrast-Enhanced Ultrasonography for Follow-Up. Journal of Endourology, 2006, 20, 456-459.	2.1	18
122	Intra- and inter-investigator variation in the analysis of pressure-flow studies in men with lower urinary tract symptoms. Neurourology and Urodynamics, 2000, 19, 221-232.	1.5	17
123	Hourglass-shaped nitinol prostatic stent in treatment of patients with lower urinary tract symptoms due to bladder outlet obstruction. Urology, 2005, 66, 845-849.	1.0	17
124	Nephron-Sparing Surgery and Percutaneous Biopsies in Renal-Cell Carcinoma: A Global Impression among Endourologists. Journal of Endourology, 2007, 21, 709-713.	2.1	17
125	Manual versus automatic bladder wall thickness measurements: a method comparison study. World Journal of Urology, 2009, 27, 747-53.	2.2	17
126	Maximum-Likelihood Estimation for Indicator Dilution Analysis. IEEE Transactions on Biomedical Engineering, 2014, 61, 821-831.	4.2	17

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127	Convective-Dispersion Modeling in 3D Contrast-Ultrasound Imaging for the Localization of Prostate Cancer. IEEE Transactions on Medical Imaging, 2018, 37, 2593-2602.	8.9	17
128	Detection of clinically significant prostate cancer in biopsyâ€naÃ¨ve men: direct comparison of systematic biopsy, multiparametric MRIâ€and contrastâ€ultrasoundâ€dispersion imagingâ€targeted biopsy. BJU International, 2020, 126, 481-493.	2.5	17
129	Comparison of the Diagnostic Value of Pump and Gravity Cavernosometry in the Evaluation of the Cavernous Veno-Occlusive Mechanism. Journal of Urology, 1991, 146, 1266-1270.	0.4	16
130	Intra-prostatic vasculature studies: Can they predict the outcome of transurethral microwave thermotherapy for the management of bladder outflow obstruction?. Prostate, 2001, 46, 200-206.	2.3	16
131	Bladder wall thickness in women with symptoms of overactive bladder and detrusor overactivity: Results from the randomised, placebo-controlled shrink study. Neurourology and Urodynamics, 2016, 35, 819-825.	1.5	16
132	Accurate validation of ultrasound imaging of prostate cancer: a review of challenges in registration of imaging and histopathology. Journal of Ultrasound, 2018, 21, 197-207.	1.3	16
133	Modelling selective activation of small myelinated nerve fibres using a monopolar point electrode. Medical and Biological Engineering and Computing, 1995, 33, 762-768.	2.8	15
134	Computerized Artifact Detection and Correction of Uroflow Curves: Towards a More Consistent Quantitative Assessment of Maximum Flow. European Urology, 1998, 33, 54-63.	1.9	15
135	<title>Quantitative three-dimensional transrectal ultrasound (TRUS) for prostate imaging</title>. , 1998, , .		15
136	Advances in Ultrasound Technology in Oncologic Urology. Urologic Clinics of North America, 2009, 36, 133-145.	1.8	15
137	Immediate Effect of Kidney Cryoablation on Renal Arterial Structure in a Porcine Model Studied by Imaging Cryomicrotome. Journal of Urology, 2010, 183, 1221-1226.	0.4	15
138	Fractal Dimension of Tumor Microvasculature by DCE-US: Preliminary Study in Mice. Ultrasound in Medicine and Biology, 2016, 42, 2852-2863.	1.5	15
139	The prostate cancer detection rates of CEUS-targeted versus MRI-targeted versus systematic TRUS-guided biopsies in biopsy-naÃ¨ve men: a prospective, comparative clinical trial using the same patients. BMC Urology, 2017, 17, 27.	1.4	15
140	Irreversible electroporation for the treatment of localized prostate cancer: a summary of imaging findings and treatment feedback. Diagnostic and Interventional Radiology, 2017, 23, 365-370.	1.5	15
141	Use of Contrast-Enhanced Ultrasound in the Assessment of Uterine Fibroids: A Feasibility Study. Ultrasound in Medicine and Biology, 2018, 44, 1901-1909.	1.5	15
142	3-D Multi-parametric Contrast-Enhanced Ultrasound for the Prediction of Prostate Cancer. Ultrasound in Medicine and Biology, 2019, 45, 2713-2724.	1.5	15
143	A review on B/A measurement methods with a clinical perspective. Journal of the Acoustical Society of America, 2021, 149, 2200-2237.	1.1	15
144	A Computer Model for Describing the Effect of Urethral Afferents on Simulated Lower Urinary Tract Function. Archives of Physiology and Biochemistry, 1999, 107, 223-235.	2.1	14

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145	Reproducibility of contrast-enhanced transrectal ultrasound of the prostate. Ultrasound in Medicine and Biology, 2001, 27, 595-602.	1.5	14
146	Comparison of different computer models of the neural control system of the lower urinary tract. Neurourology and Urodynamics, 2000, 19, 289-310.	1.5	13
147	Transrectal contrast enhanced ultrasound for diagnosis of prostate cancer. World Journal of Urology, 2007, 25, 367-373.	2.2	13
148	The Clinical Research Office of the Endourological Society Audit Committee. Journal of Endourology, 2011, 25, 1811-1813.	2.1	13
149	Ultrasound modalities and quantification. Current Opinion in Urology, 2015, 25, 191-197.	1.8	13
150	CORPUS CAVERNOSUM ELECTROMYOGRAPHY DURING MORNING NAPS IN HEALTHY VOLUNTEERS: FURTHER EVIDENCE THAT CORPUS CAVERNOSUM POTENTIALS REFLECT SYMPATHETICALLY MEDIATED ACTIVITY. Journal of Urology, 2005, 174, 1917-1920.	0.4	12
151	Corpus Cavernosum Electromyography with Revised Methodology: An Explorative Study in Patients with Erectile Dysfunction and Men with Reported Normal Erectile Function. Journal of Sexual Medicine, 2007, 4, 191-198.	0.6	12
152	Deactivation in the rabbit left ventricle induced by constant ejection flow. IEEE Transactions on Biomedical Engineering, 1989, 36, 1113-1123.	4.2	11
153	Construction and application of hierarchical decision tree for classification of ultrasonographic prostate images. Medical and Biological Engineering and Computing, 1996, 34, 105-109.	2.8	11
154	Quantification of Prostate Shrinkage after Microwave Thermotherapy: A Comparison of Calculated Cell-Kill versus 3D Transrectal Ultrasound Planimetry. European Urology, 2003, 43, 181-187.	1.9	11
155	Advances in diagnosis and follow-up in kidney cancer. Current Opinion in Urology, 2008, 18, 447-454.	1.8	11
156	Cumulative phase delay between second harmonic and fundamental componentsâ€"A marker for ultrasound contrast agents. Journal of the Acoustical Society of America, 2014, 136, 2968-2975.	1.1	11
157	3-D Quantitative Dynamic Contrast Ultrasound for Prostate Cancer Localization. Ultrasound in Medicine and Biology, 2018, 44, 807-814.	1.5	11
158	On the Relationship between Dynamic Contrast-Enhanced Ultrasound Parameters and the Underlying Vascular Architecture Extracted from Acoustic Angiography. Ultrasound in Medicine and Biology, 2019, 45, 539-548.	1.5	11
159	Standardized assessment to enhance the diagnostic value of prostate volume; Part I: Morphometry in patients with lower urinary tract symptoms. , 1996, 29, 317-326.		10
160	Comparison of passive urethral resistance relation and urethral resistance factor in analysis of bladder outlet obstruction in patients with benign prostatic enlargement. , 1996, 15, 1-15.		10
161	Intraprostatic Temperature Monitoring During Transurethral Microwave Thermotherapy: Status and Future Developments. Journal of Endourology, 2000, 14, 637-642.	2.1	10
162	New Technical Improvements for TRUS in the Diagnosis of Prostate Cancer. European Urology Supplements, 2002, 1, 8-14.	0.1	10

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