

# Hessel Wijkstra

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

256  
papers

5,866  
citations

41  
h-index

64  
g-index

317  
ext. papers

6,953  
ext. citations

3.8  
avg. IF

5.49  
L-index

#	Paper	IF	Citations
256	Radiomic combination of spatial and temporal features extracted from DCE-MRI for prostate cancer detection. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2021, 3153-3156</i>	0.9	
255	Contrast-Enhanced Ultrasound (CEUS) <b>2021</b> , 161-177		
254	A review on B/A measurement methods with a clinical perspective. <i>Journal of the Acoustical Society of America, 2021, 149, 2200</i>	2.2	4
253	Super-Resolution Ultrasound Localization Microscopy Through Deep Learning. <i>IEEE Transactions on Medical Imaging, 2021, 40, 829-839</i>	11.7	19
252	Blood flow patterns estimation in the left ventricle with low-rate 2D and 3D dynamic contrast-enhanced ultrasound. <i>Computer Methods and Programs in Biomedicine, 2021, 198, 105810</i>	6.9	1
251	Deep Learning for Real-time, Automatic, and Scanner-adapted Prostate (Zone) Segmentation of Transrectal Ultrasound, for Example, Magnetic Resonance Imaging-transrectal Ultrasound Fusion Prostate Biopsy. <i>European Urology Focus, 2021, 7, 78-85</i>	5.1	19
250	The challenge of prostate biopsy guidance in the era of mpMRI detected lesion: ultrasound-guided versus in-bore biopsy. <i>British Journal of Radiology, 2021, 20210363</i>	3.4	2
249	Experimental acoustic characterization of an endoskeletal antibubble contrast agent: First results. <i>Medical Physics, 2021, 48, 6765-6780</i>	4.4	1
248	Blind Source Separation for Clutter and Noise Suppression in Ultrasound Imaging: Review for Different Applications. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1497-1512</i>	3.2	3
247	Contrast-enhanced ultrasound with dispersion analysis for the localization of prostate cancer: correlation with radical prostatectomy specimens. <i>World Journal of Urology, 2020, 38, 2811-2818</i>	4	3
246	Contrast-Enhanced Ultrasound Quantification: From Kinetic Modeling to Machine Learning. <i>Ultrasound in Medicine and Biology, 2020, 46, 518-543</i>	3.5	12
245	Artificial intelligence in multiparametric prostate cancer imaging with focus on deep-learning methods. <i>Computer Methods and Programs in Biomedicine, 2020, 189, 105316</i>	6.9	23
244	Automated multiparametric localization of prostate cancer based on B-mode, shear-wave elastography, and contrast-enhanced ultrasound radiomics. <i>European Radiology, 2020, 30, 806-815</i>	8	28
243	Detection of clinically significant prostate cancer in biopsy-naïve men: direct comparison of systematic biopsy, multiparametric MRI- and contrast-ultrasound-dispersion imaging-targeted biopsy. <i>BJU International, 2020, 126, 481-493</i>	5.6	4
242	Cancer Detection Rates of Systematic and Targeted Prostate Biopsies after Biparametric MRI. <i>Prostate Cancer, 2020, 2020, 4626781</i>	1.9	1
241	Three-dimensional greyscale transrectal ultrasound-guidance and biopsy core preembedding for detection of prostate cancer: Dutch clinical cohort study. <i>BMC Urology, 2019, 19, 23</i>	2.2	3
240	Exploiting Flow Dynamics for Superresolution in Contrast-Enhanced Ultrasound. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1573-1586</i>	3.2	13

239	3-D Multi-parametric Contrast-Enhanced Ultrasound for the Prediction of Prostate Cancer. <i>Ultrasound in Medicine and Biology</i> , <b>2019</b> , 45, 2713-2724	3.5	8
238	Validation of the Electronic Version of the International Index of Erectile Function (IIEF-5 and IIEF-15): A Crossover Study. <i>Journal of Medical Internet Research</i> , <b>2019</b> , 21, e13490	7.6	16
237	Reply by Authors. <i>Journal of Urology</i> , <b>2019</b> , 202, 1172-1173	2.5	
236	Multiparametric Ultrasound for Prostate Cancer Detection and Localization: Correlation of B-mode, Shear Wave Elastography and Contrast Enhanced Ultrasound with Radical Prostatectomy Specimens. <i>Journal of Urology</i> , <b>2019</b> , 202, 1166-1173	2.5	24
235	In-vitro investigation of the relationship between microvascular structure and ultrasound contrast agent dynamics <b>2019</b> ,		1
234	Machine Learning for Multiparametric Ultrasound Classification of Prostate Cancer using B-mode, Shear-Wave Elastography, and Contrast-Enhanced Ultrasound Radiomics <b>2019</b> ,		1
233	Super-Resolution Contrast-Enhanced Ultrasound Methodology for the Identification of In Vivo Vascular Dynamics in 2D. <i>Investigative Radiology</i> , <b>2019</b> , 54, 500-516	10.1	12
232	Pharmacokinetic Modeling of Targeted Ultrasound Contrast Agents for Quantitative Assessment of Anti-Angiogenic Therapy: a Longitudinal Case-Control Study in Colon Cancer. <i>Molecular Imaging and Biology</i> , <b>2019</b> , 21, 633-643	3.8	4
231	The added value of systematic biopsy in men with suspicion of prostate cancer undergoing multiparametric MRI-targeted biopsy. <i>Urologic Oncology: Seminars and Original Investigations</i> , <b>2019</b> , 37, 298.e1-298.e9	2.8	20
230	On the Relationship between Dynamic Contrast-Enhanced Ultrasound Parameters and the Underlying Vascular Architecture Extracted from Acoustic Angiography. <i>Ultrasound in Medicine and Biology</i> , <b>2019</b> , 45, 539-548	3.5	9
229	The EFSUMB Guidelines and Recommendations for the Clinical Practice of Contrast-Enhanced Ultrasound (CEUS) in Non-Hepatic Applications: Update 2017 (Long Version). <i>Ultraschall in Der Medizin</i> , <b>2018</b> , 39, e2-e44	3.8	346
228	The EFSUMB Guidelines and Recommendations for the Clinical Practice of Contrast-Enhanced Ultrasound (CEUS) in Non-Hepatic Applications: Update 2017 (Short Version). <i>Ultraschall in Der Medizin</i> , <b>2018</b> , 39, 154-180	3.8	136
227	Concordance of Gleason grading with three-dimensional ultrasound systematic biopsy and biopsy core pre-embedding. <i>World Journal of Urology</i> , <b>2018</b> , 36, 863-869	4	2
226	3-D Quantitative Dynamic Contrast Ultrasound for Prostate Cancer Localization. <i>Ultrasound in Medicine and Biology</i> , <b>2018</b> , 44, 807-814	3.5	6
225	Prediction of Prostate Cancer: External Validation of the ERSPC Risk Calculator in a Contemporary Dutch Clinical Cohort. <i>European Urology Focus</i> , <b>2018</b> , 4, 228-234	5.1	22
224	Accurate validation of ultrasound imaging of prostate cancer: a review of challenges in registration of imaging and histopathology. <i>Journal of Ultrasound</i> , <b>2018</b> , 21, 197-207	3.4	13
223	Convective-Dispersion Modeling in 3D Contrast-Ultrasound Imaging for the Localization of Prostate Cancer. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 2593-2602	11.7	10
222	Intravascular Contrast Agents <b>2018</b> , 39-89		

221	Extravascular Contrast Agents <b>2018</b> , 91-130		
220	Molecular Contrast Agents <b>2018</b> , 131-184		
219	Contrast-enhanced Ultrasound in Urology <b>2018</b> , 1605-1615		0
218	A fixed-distance plane wave method for estimating the ultrasound coefficient of nonlinearity <b>2018</b> ,		2
217	Zonal Segmentation in Transrectal Ultrasound Images of the Prostate Through Deep Learning <b>2018</b>		3
216	Prostate Cancer Risk Assessment in Biopsy-naïve Patients: The Rotterdam Prostate Cancer Risk Calculator in Multiparametric Magnetic Resonance Imaging-Transrectal Ultrasound (TRUS) Fusion Biopsy and Systematic TRUS Biopsy. <i>European Urology Oncology</i> , <b>2018</b> , 1, 109-117	6.7	17
215	Quantification of Contrast Kinetics in Clinical Imaging <b>2018</b> ,		1
214	Multiparametric ultrasound: evaluation of greyscale, shear wave elastography and contrast-enhanced ultrasound for prostate cancer detection and localization in correlation to radical prostatectomy specimens. <i>BMC Urology</i> , <b>2018</b> , 18, 98	2.2	19
213	Contrast-enhanced ultrasound tractography for 3D vascular imaging of the prostate. <i>Scientific Reports</i> , <b>2018</b> , 8, 14640	4.9	7
212	Evaluation of Dispersion MRI for Improved Prostate Cancer Diagnosis in a Multicenter Study. <i>American Journal of Roentgenology</i> , <b>2018</b> , 211, W242-W251	5.4	5
211	Use of Contrast-Enhanced Ultrasound in the Assessment of Uterine Fibroids: A Feasibility Study. <i>Ultrasound in Medicine and Biology</i> , <b>2018</b> , 44, 1901-1909	3.5	9
210	Contrast-Enhanced Ultrasound Angiogenesis Imaging by Mutual Information Analysis for Prostate Cancer Localization. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2017</b> , 64, 661-670	5	15
209	Quantitative ultrasound molecular imaging by modeling the binding kinetics of targeted contrast agent. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 2449-2464	3.8	12
208	The prostate cancer detection rates of CEUS-targeted versus MRI-targeted versus systematic TRUS-guided biopsies in biopsy-naïve men: a prospective, comparative clinical trial using the same patients. <i>BMC Urology</i> , <b>2017</b> , 17, 27	2.2	11
207	First-in-Human Ultrasound Molecular Imaging With a VEGFR2-Specific Ultrasound Molecular Contrast Agent (BR55) in Prostate Cancer: A Safety and Feasibility Pilot Study. <i>Investigative Radiology</i> , <b>2017</b> , 52, 419-427	10.1	83
206	Which properties of the vascular architecture are reflected by dynamic contrast-enhanced ultrasound imaging of dispersion and wash-in rate? A comparison with acoustic angiography <b>2017</b> ,		1
205	Sparsity-driven super-localization in clinical contrast-enhanced ultrasound <b>2017</b> ,		5
204	Irreversible electroporation for the treatment of localized prostate cancer: a summary of imaging findings and treatment feedback. <i>Diagnostic and Interventional Radiology</i> , <b>2017</b> , 23, 365-370	3.2	13

203	Multiparametric dynamic contrast-enhanced ultrasound imaging of prostate cancer. <i>European Radiology</i> , <b>2017</b> , 27, 3226-3234	8	28
202	Kwaliteitsregistraties in de urologie: the Clinical Research Office of the Endourological Society (CROES). <i>Tijdschrift Voor Urologie</i> , <b>2017</b> , 7, 35-39	0.2	0
201	Entropy of Ultrasound-Contrast-Agent Velocity Fields for Angiogenesis Imaging in Prostate Cancer. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 826-837	11.7	15
200	Ultrasound-contrast-agent dispersion and velocity imaging for prostate cancer localization. <i>Medical Image Analysis</i> , <b>2017</b> , 35, 610-619	15.4	31
199	Viscoelasticity Mapping by Identification of Local Shear Wave Dynamics. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2017</b> , 64, 1666-1673	3.2	13
198	Sparsity-driven super-resolution in clinical contrast-enhanced ultrasound <b>2017</b> ,		17
197	Three-dimensional histopathological reconstruction as a reliable ground truth for prostate cancer studies. <i>Biomedical Physics and Engineering Express</i> , <b>2017</b> , 3, 035014	1.5	8
196	Multiparametric Transrectal Ultrasound Biopsy. <i>Current Clinical Urology</i> , <b>2017</b> , 251-263		
195	The correlation between the electrode configuration and histopathology of irreversible electroporation ablations in prostate cancer patients. <i>World Journal of Urology</i> , <b>2016</b> , 34, 657-64	4	42
194	The value of magnetic resonance imaging and ultrasonography (MRI/US)-fusion biopsy platforms in prostate cancer detection: a systematic review. <i>BJU International</i> , <b>2016</b> , 117, 392-400	5.6	77
193	Towards Dynamic Contrast Specific Ultrasound Tomography. <i>Scientific Reports</i> , <b>2016</b> , 6, 34458	4.9	2
192	Mathematical Models of Contrast Transport Kinetics for Cancer Diagnostic Imaging: A Review. <i>IEEE Reviews in Biomedical Engineering</i> , <b>2016</b> , 9, 121-47	6.4	19
191	Focal vs extended ablation in localized prostate cancer with irreversible electroporation; a multi-center randomized controlled trial. <i>BMC Cancer</i> , <b>2016</b> , 16, 299	4.8	29
190	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. <i>European Radiology</i> , <b>2016</b> , 26, 2252-60	8	46
189	Contrast-Enhanced Ultrasound (CEUS) and Elastographic Imaging <b>2016</b> , 125-138		
188	3D surface-based registration of ultrasound and histology in prostate cancer imaging. <i>Computerized Medical Imaging and Graphics</i> , <b>2016</b> , 47, 29-39	7.6	13
187	Bladder wall thickness in women with symptoms of overactive bladder and detrusor overactivity: Results from the randomised, placebo-controlled shrink study. <i>Neurourology and Urodynamics</i> , <b>2016</b> , 35, 819-25	2.3	13
186	Dynamic contrast-enhanced ultrasound parametric imaging for the detection of prostate cancer. <i>BJU International</i> , <b>2016</b> , 117, 598-603	5.6	33

185	Statistical characterization of Ultrasound-Contrast-agent velocity fields for prostate cancer localization <b>2016</b> ,		1
184	Multiparametric dynamic contrast-enhanced ultrasound classification of prostate cancer <b>2016</b> ,		2
183	Quantitative ultrasound molecular imaging for antiangiogenic therapy monitoring <b>2016</b> ,		1
182	Time-efficient estimation of the magnetic resonance dispersion model parameters for quantitative assessment of angiogenesis. <i>Biomedical Signal Processing and Control</i> , <b>2016</b> , 26, 23-33	4.9	6
181	3D Navigo <sup>®</sup> versus TRUS-guided prostate biopsy in prostate cancer detection. <i>World Journal of Urology</i> , <b>2016</b> , 34, 1255-60	4	6
180	Fractal Dimension of Tumor Microvasculature by DCE-US: Preliminary Study in Mice. <i>Ultrasound in Medicine and Biology</i> , <b>2016</b> , 42, 2852-2863	3.5	12
179	4-D spatiotemporal analysis of ultrasound contrast agent dispersion for prostate cancer localization: a feasibility study. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2015</b> , 62, 839-51	3.2	30
178	The efficacy and safety of irreversible electroporation for the ablation of renal masses: a prospective, human, in-vivo study protocol. <i>BMC Cancer</i> , <b>2015</b> , 15, 165	4.8	22
177	Other testing <b>2015</b> , 53-61		
176	Cumulative phase delay imaging for contrast-enhanced ultrasound tomography. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, L23-33	3.8	4
175	Ultrasound modalities and quantification: developments of multiparametric ultrasonography, a new modality to detect, localize and target prostatic tumors. <i>Current Opinion in Urology</i> , <b>2015</b> , 25, 191-7 <sup>2.8</sup>		10
174	Multiparametric ultrasound in the detection of prostate cancer: a systematic review. <i>World Journal of Urology</i> , <b>2015</b> , 33, 1651-9	4	72
173	Transabdominal contrast-enhanced ultrasound imaging of the prostate. <i>Ultrasound in Medicine and Biology</i> , <b>2015</b> , 41, 1112-8	3.5	5
172	<b>2015</b> ,		2
171	3D contrast ultrasound dispersion imaging by mutual information for prostate cancer localization <b>2015</b> ,		2
170	<b>2015</b> ,		1
169	Follow-up modalities in focal therapy for prostate cancer: results from a Delphi consensus project. <i>World Journal of Urology</i> , <b>2015</b> , 33, 1503-9	4	73
168	Maximum-likelihood estimation for indicator dilution analysis. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2014</b> , 61, 821-31	5	15

167	Role of multiparametric magnetic resonance imaging (MRI) in focal therapy for prostate cancer: a Delphi consensus project. <i>BJU International</i> , <b>2014</b> , 114, 698-707	5.6	38
166	Three-dimensional contrast-ultrasound dispersion imaging for prostate cancer localization, a feasibility study <b>2014</b> ,		2
165	Closed-form solution of the convolution integral in the magnetic resonance dispersion model for quantitative assessment of angiogenesis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2014</b> , 2014, 4272-5	0.9	
164	The safety and efficacy of irreversible electroporation for the ablation of prostate cancer: a multicentre prospective human in vivo pilot study protocol. <i>BMJ Open</i> , <b>2014</b> , 4, e006382	3	40
163	Contrast-ultrasound dispersion imaging of cancer neovascularization by mutual-information analysis <b>2014</b> ,		4
162	Cumulative phase delay between second harmonic and fundamental components--a marker for ultrasound contrast agents. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 136, 2968	2.2	8
161	The role of magnetic resonance imaging (MRI) in focal therapy for prostate cancer: recommendations from a consensus panel. <i>BJU International</i> , <b>2014</b> , 113, 218-27	5.6	63
160	Contrast dispersion imaging for cancer localization. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2014</b> , 2014, 4268-71	0.9	2
159	Magnetic resonance dispersion imaging for localization of angiogenesis and cancer growth. <i>Investigative Radiology</i> , <b>2014</b> , 49, 561-9	10.1	23
158	Volume Measurement <b>2014</b> , 1-18		
157	Evaluation of renal masses with contrast-enhanced ultrasound. <i>Current Urology Reports</i> , <b>2013</b> , 14, 116-23.	3.9	28
156	Review on ultrasound measurement of bladder or detrusor wall thickness in women: techniques, diagnostic utility, and use in clinical trials. <i>World Journal of Urology</i> , <b>2013</b> , 31, 1093-104	4	26
155	What is the added value of combined core biopsy and fine needle aspiration in the diagnostic process of renal tumours?. <i>World Journal of Urology</i> , <b>2013</b> , 31, 823-7	4	21
154	Spatiotemporal correlation of ultrasound contrast agent dilution curves for angiogenesis localization by dispersion imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2013</b> , 60, 2665-9	3.2	38
153	Contrast-ultrasound dispersion imaging for prostate cancer localization by improved spatiotemporal similarity analysis. <i>Ultrasound in Medicine and Biology</i> , <b>2013</b> , 39, 1631-41	3.5	61
152	Prostate cancer localization by novel magnetic resonance dispersion imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2013</b> , 2013, 2603-6	0.9	2
151	Contrast-enhanced ultrasound for the evaluation of the cryolesion after laparoscopic renal cryoablation: an initial report. <i>Journal of Endourology</i> , <b>2013</b> , 27, 402-7	2.7	24
150	Contrast-Enhanced Ultrasonography <b>2013</b> , 155-164		



149	Angiogenesis imaging by spatiotemporal analysis of ultrasound contrast agent dispersion kinetics. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2012</b> , 59, 621-9	3.2	49
148	Role of transrectal ultrasonography (TRUS) in focal therapy of prostate cancer: report from a Consensus Panel. <i>BJU International</i> , <b>2012</b> , 110, 942-8	5.6	56
147	Angiogenesis in prostate cancer: onset, progression and imaging. <i>BJU International</i> , <b>2012</b> , 110, E794-808	5.6	121
146	Contrast-Enhanced Ultrasound in Urology <b>2012</b> , 1416-1424		
145	Contrast-enhanced ultrasound as support for prostate brachytherapy treatment planning. <i>Journal of Contemporary Brachytherapy</i> , <b>2012</b> , 4, 69-74	1.9	6
144	Current status of transrectal ultrasound techniques in prostate cancer. <i>Current Opinion in Urology</i> , <b>2012</b> , 22, 297-302	2.8	46
143	Zusatzfunktionen und Innovationen in der Sonographie <b>2012</b> , 17-29		
142	Gradient changes in porcine renal arterial vascular anatomy and blood flow after cryoablation. <i>Journal of Urology</i> , <b>2011</b> , 186, 681-6	2.5	8
141	Laparoscopic renal cryoablation using ultrathin 17-gauge cryoprobes: mid-term oncological and functional results. <i>BJU International</i> , <b>2011</b> , 108, 577-82	5.6	17
140	Contrast-ultrasound diffusion imaging for localization of prostate cancer. <i>IEEE Transactions on Medical Imaging</i> , <b>2011</b> , 30, 1493-502	11.7	85
139	Novel contrast-enhanced ultrasound imaging in prostate cancer. <i>World Journal of Urology</i> , <b>2011</b> , 29, 581-7	4.7	41
138	Advanced diagnostics in renal mass using optical coherence tomography: a preliminary report. <i>Journal of Endourology</i> , <b>2011</b> , 25, 311-5	2.7	35
137	Are there parameters that predict a nondiagnostic biopsy outcome taken during laparoscopic-assisted cryoablation of small renal tumors?. <i>Journal of Endourology</i> , <b>2011</b> , 25, 1463-8	2.7	6
136	The clinical research office of the endourological society audit committee. <i>Journal of Endourology</i> , <b>2011</b> , 25, 1811-3	2.7	6
135	The role of nocturia in the quality of life of men with lower urinary tract symptoms. <i>BJU International</i> , <b>2010</b> , 105, 1141-6	5.6	42
134	A decade of surgically removed small renal masses in the Netherlands: characteristics and trends in type of surgery and pathologic reporting. <i>Journal of Endourology</i> , <b>2010</b> , 24, 1675-9	2.7	5
133	Immediate effect of kidney cryoablation on renal arterial structure in a porcine model studied by imaging cryomicrotome. <i>Journal of Urology</i> , <b>2010</b> , 183, 1221-6	2.5	15
132	Focal therapy in prostate cancer-report from a consensus panel. <i>Journal of Endourology</i> , <b>2010</b> , 24, 775-80	2.7	145



131	Quality of life and perceived pain after laparoscopic-assisted renal cryoablation. <i>Journal of Endourology</i> , <b>2010</b> , 24, 713-9	2.7	4
130	Role of voiding and storage symptoms for the quality of life before and after treatment in men with voiding dysfunction. <i>World Journal of Urology</i> , <b>2010</b> , 28, 3-8	4	25
129	Advances in Diagnostic and Therapeutic Ultrasonography <b>2010</b> , 235-250		
128	In vivo factors influencing the freezing cycle during cryoablation of small renal masses. <i>Journal of Endourology</i> , <b>2009</b> , 23, 545-9	2.7	5
127	Speckle-initialized dynamic segmentation of the prostate. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2009</b> , 2009, 6352-5	0.9	1
126	The diagnostic yield of immediate postcryoablation biopsies of small renal masses. <i>Journal of Endourology</i> , <b>2009</b> , 23, 1203-7	2.7	3
125	Prostate cancer localization by contrast-ultrasound diffusion imaging <b>2009</b> ,		1
124	Cytological punctures in the diagnosis of renal tumours: a study on accuracy and reproducibility. <i>European Urology</i> , <b>2009</b> , 55, 187-95	10.2	21
123	Manual versus automatic bladder wall thickness measurements: a method comparison study. <i>World Journal of Urology</i> , <b>2009</b> , 27, 747-53	4	13
122	Optimizing prostate cancer detection: 8 versus 12-core biopsy protocol. <i>Journal of Urology</i> , <b>2009</b> , 182, 1329-36	2.5	32
121	Advances in ultrasound technology in oncologic urology. <i>Urologic Clinics of North America</i> , <b>2009</b> , 36, 133-45, vii	2.9	13
120	Contrast-Enhanced Ultrasound of the Kidneys <b>2009</b> , 123-129		
119	Follow-up of renal masses after cryosurgery using computed tomography; enhancement patterns and cryolesion size. <i>BJU International</i> , <b>2008</b> , 101, 1237-42	5.6	41
118	Changes in the stage and surgical management of renal tumours during 1995-2005: an analysis of the Dutch national histopathology registry. <i>BJU International</i> , <b>2008</b> , 102, 946-51	5.6	19
117	Age and bladder outlet obstruction are independently associated with detrusor overactivity in patients with benign prostatic hyperplasia. <i>European Urology</i> , <b>2008</b> , 54, 419-26	10.2	129
116	Contrast-enhanced ultrasound and prostate cancer; a multicentre European research coordination project. <i>European Urology</i> , <b>2008</b> , 54, 982-92	10.2	95
115	Bladder wall thickness in healthy school-aged children. <i>Urology</i> , <b>2008</b> , 72, 233-4; author reply 234-5	1.6	1
114	The performance of 17-gauge cryoprobe in vitro. <i>Technology in Cancer Research and Treatment</i> , <b>2008</b> , 7, 321-7	2.7	6

113	Advances in diagnosis and follow-up in kidney cancer. <i>Current Opinion in Urology</i> , <b>2008</b> , 18, 447-54	2.8	10
112	Contrast-enhanced ultrasonography in the follow-up of cryoablation of renal tumours: a feasibility study. <i>BJU International</i> , <b>2007</b> , 99, 1371-5	5.6	20
111	Vascular fluorescence casting and imaging cryomicrotomy for computerized three-dimensional renal arterial reconstruction. <i>BJU International</i> , <b>2007</b> , 100, 387-91	5.6	9
110	Application of correlation techniques in the analysis of corpus cavernosum electromyographic signals. <i>Asian Journal of Andrology</i> , <b>2007</b> , 9, 369-76	2.8	2
109	Diagnostic accuracy of noninvasive tests to evaluate bladder outlet obstruction in men: detrusor wall thickness, uroflowmetry, postvoid residual urine, and prostate volume. <i>European Urology</i> , <b>2007</b> , 52, 827-34	10.2	152
108	A reproducibility study of corpus cavernosum electromyography in young healthy volunteers under controlled conditions. <i>Journal of Sexual Medicine</i> , <b>2007</b> , 4, 183-190	1.1	5
107	Corpus cavernosum electromyography with revised methodology: an explorative study in patients with erectile dysfunction and men with reported normal erectile function. <i>Journal of Sexual Medicine</i> , <b>2007</b> , 4, 191-198	1.1	11
106	Transrectal contrast enhanced ultrasound for diagnosis of prostate cancer. <i>World Journal of Urology</i> , <b>2007</b> , 25, 367-73	4	11
105	Ultrasonography of renal masses using contrast pulse sequence imaging: a pilot study. <i>Journal of Endourology</i> , <b>2007</b> , 21, 466-72	2.7	31
104	Nephron-sparing surgery and percutaneous biopsies in renal-cell carcinoma: a global impression among endourologists. <i>Journal of Endourology</i> , <b>2007</b> , 21, 709-13	2.7	17
103	The bell-shaped nitinol prostatic stent in the treatment of lower urinary tract symptoms: experience in 108 patients. <i>European Urology</i> , <b>2006</b> , 49, 353-9	10.2	13
102	Ultrasound measurement of detrusor wall thickness in healthy adults. <i>Neurourology and Urodynamics</i> , <b>2006</b> , 25, 308-17; discussion 318	2.3	91
101	Ultrasound imaging and contrast agents: a safe alternative to MRI?. <i>Minimally Invasive Therapy and Allied Technologies</i> , <b>2006</b> , 15, 93-100	2.1	31
100	Cryotherapy for renal-cell cancer: diagnosis, treatment, and contrast-enhanced ultrasonography for follow-up. <i>Journal of Endourology</i> , <b>2006</b> , 20, 456-8; discussion 458-9	2.7	17
99	Clinical utility of "blind placement" prostatic stent in patients with benign prostatic obstruction: a prospective study. <i>Urology</i> , <b>2006</b> , 68, 1025-30	1.6	7
98	Training in laparoscopic urology. <i>Current Opinion in Urology</i> , <b>2006</b> , 16, 65-70	2.8	25
97	Long-term functional and urodynamic results of 50 patients receiving a modified sigmoid neobladder created with a short distal segment. <i>Journal of Urology</i> , <b>2005</b> , 174, 963-7	2.5	17
96	Corpus cavernosum electromyography during morning naps in healthy volunteers: further evidence that corpus cavernosum potentials reflect sympathetically mediated activity. <i>Journal of Urology</i> , <b>2005</b> , 174, 1917-20	2.5	9

95	Hourglass-shaped nitinol prostatic stent in treatment of patients with lower urinary tract symptoms due to bladder outlet obstruction. <i>Urology</i> , <b>2005</b> , 66, 845-9	1.6	14
94	The methodology of corpus cavernosum electromyography revisited. <i>European Urology</i> , <b>2004</b> , 46, 370-5; discussion 375-6	10.2	8
93	Contrast specific imaging in the detection and localization of prostate cancer. <i>World Journal of Urology</i> , <b>2004</b> , 22, 346-50	4	33
92	Quantification of prostate shrinkage after microwave thermotherapy: a comparison of calculated cell-kill versus 3D transrectal ultrasound planimetry. <i>European Urology</i> , <b>2003</b> , 43, 181-7	10.2	10
91	The value of dynamic contrast enhanced power Doppler ultrasound imaging in the localization of prostate cancer. <i>European Urology</i> , <b>2003</b> , 43, 124-31	10.2	44
90	The value of corpus cavernosum electromyography in erectile dysfunction: current status and future prospect. <i>European Urology</i> , <b>2003</b> , 43, 211-8	10.2	25
89	Penile Duplex Pharmaco-Ultrasonography Revisited: Revalidation of the Parameters of the Cavernous Arterial Response. <i>Journal of Urology</i> , <b>2003</b> , 169, 216-220	2.5	61
88	Urodynamic effects of alpha-adrenoceptor blockers: a review of clinical trials. <i>Urology</i> , <b>2003</b> , 62, 1-9	1.6	41
87	Computerised assessment of maximum urinary flow: an efficient, consistent and valid approach. <i>European Urology</i> , <b>2002</b> , 41, 206-13; discussion 213	10.2	1
86	Quantitative microbubble enhanced transrectal ultrasound as a tool for monitoring hormonal treatment of prostate carcinoma. <i>Prostate</i> , <b>2002</b> , 51, 256-67	4.2	73
85	Value of contrast ultrasonography in the detection of significant prostate cancer: correlation with radical prostatectomy specimens. <i>Prostate</i> , <b>2002</b> , 53, 246-53	4.2	28
84	New Technical Improvements for TRUS in the Diagnosis of Prostate Cancer. <i>European Urology Supplements</i> , <b>2002</b> , 1, 8-14	0.9	7
83	Proposed system for ultrasonic temperature imaging of the human prostate in vivo during transurethral microwave thermotherapy: data acquisition and initial experience <b>2001</b> , 4325, 75		
82	Reproducibility of contrast-enhanced transrectal ultrasound of the prostate. <i>Ultrasound in Medicine and Biology</i> , <b>2001</b> , 27, 595-602	3.5	12
81	Intra-prostatic vasculature studies: can they predict the outcome of transurethral microwave thermotherapy for the management of bladder outflow obstruction?. <i>Prostate</i> , <b>2001</b> , 46, 200-6	4.2	12
80	Correlation of transrectal ultrasound, computer analysis of transrectal ultrasound and histopathology of radical prostatectomy specimen. <i>Prostate Cancer and Prostatic Diseases</i> , <b>2001</b> , 4, 56-62	6.2	27
79	The value of sildenafil as mode of stimulation in pharmaco-penile duplex ultrasonography. <i>International Journal of Impotence Research</i> , <b>2001</b> , 13, 189-91	2.3	19
78	Microvessel density: correlation between contrast ultrasonography and histology of prostate cancer. <i>European Urology</i> , <b>2001</b> , 40, 285-93	10.2	83

77	Three-dimensional grayscale ultrasound: evaluation of prostate cancer compared with benign prostatic hyperplasia. <i>Urology</i> , <b>2001</b> , 57, 914-20	1.6	28
76	alpha-Blockade improves symptoms suggestive of bladder outlet obstruction but fails to relieve it. <i>Journal of Urology</i> , <b>2001</b> , 165, 38-41	2.5	51
75	Three-dimensional contrast-enhanced power Doppler ultrasonography and conventional examination methods: the value of diagnostic predictors of prostate cancer. <i>BJU International</i> , <b>2000</b> , 86, 58-64	5.6	57
74	The application of three-dimensional contrast-enhanced ultrasound to measure volume of affected tissue after HIFU treatment for localized prostate cancer. <i>European Urology</i> , <b>2000</b> , 37, 559-68	10.2	52
73	Intra- and inter-investigator variation in the analysis of pressure-flow studies in men with lower urinary tract symptoms. <i>Neurourology and Urodynamics</i> , <b>2000</b> , 19, 221-32	2.3	15
72	Comparison of different computer models of the neural control system of the lower urinary tract. <i>Neurourology and Urodynamics</i> , <b>2000</b> , 19, 289-310	2.3	11
71	Intraprostatic temperature monitoring during transurethral microwave thermotherapy: status and future developments. <i>Journal of Endourology</i> , <b>2000</b> , 14, 637-42	2.7	9
70	Contrast angiosonography: a technology to improve Doppler ultrasound examinations of the prostate. <i>European Urology</i> , <b>1999</b> , 35, 9-20	10.2	16
69	Transrectal ultrasound imaging of the prostate: review and perspectives of recent developments. <i>Prostate Cancer and Prostatic Diseases</i> , <b>1999</b> , 2, 241-252	6.2	7
68	A computer model for describing the effect of urethral afferents on simulated lower urinary tract function. <i>Archives of Physiology and Biochemistry</i> , <b>1999</b> , 107, 223-35	2.2	13
67	Contrast-enhanced three-dimensional power Doppler angiography of the human prostate: correlation with biopsy outcome. <i>Urology</i> , <b>1999</b> , 54, 97-104	1.6	118
66	Aspects of imaging in the assessment and follow up of benign prostatic hyperplasia. <i>Current Opinion in Urology</i> , <b>1999</b> , 9, 21-9	2.8	1
65	A computer model of the neural control of the lower urinary tract. <i>Neurourology and Urodynamics</i> , <b>1998</b> , 17, 175-96	2.3	17
64	Selective detrusor activation by sacral ventral nerve-root stimulation: results of intraoperative testing in humans during implantation of a Finetech-Brindley system. <i>World Journal of Urology</i> , <b>1998</b> , 16, 337-41	4	17
63	Edge detection in prostatic ultrasound images using integrated edge maps. <i>Ultrasonics</i> , <b>1998</b> , 36, 635-42	3.5	49
62	Transrectal ultrasound of the prostate: innovations and future applications. <i>Journal of Urology</i> , <b>1998</b> , 159, 1568-79	2.5	75
61	Computerized artifact detection and correction of uroflow curves: towards a more consistent quantitative assessment of maximum flow. <i>European Urology</i> , <b>1998</b> , 33, 54-63	10.2	12
60	Quantitative three-dimensional transrectal ultrasound (TRUS) for prostate imaging <b>1998</b> ,		12

59	A Computer model of the neural control of the lower urinary tract <b>1998</b> , 17, 175		2
58	Selective Detrusor Activation By Electrical Sacral Nerve Root Stimulation in Spinal Cord Injury. <i>Journal of Urology</i> , <b>1997</b> , 157, 1504-1508	2.5	52
57	Quantitative assessment of uroflow: is there a circadian rhythm?. <i>Urology</i> , <b>1997</b> , 50, 221-8	1.6	29
56	Selective detrusor activation by electrical stimulation of the human sacral nerve roots. <i>Artificial Organs</i> , <b>1997</b> , 21, 223-6	2.6	23
55	A preprocessing algorithm for edge detection with multiple scales of resolution. <i>European Journal of Ultrasound: Official Journal of the European Federation of Societies for Ultrasound in Medicine and Biology</i> , <b>1997</b> , 5, 113-126		7
54	The correlation between prostate volume, transition zone volume, transition zone index and clinical and urodynamic investigations in patients with lower urinary tract symptoms. <i>BJU International</i> , <b>1997</b> , 80, 84-90	5.6	55
53	Urinary bladder control by electrical stimulation: review of electrical stimulation techniques in spinal cord injury. <i>Neurourology and Urodynamics</i> , <b>1997</b> , 16, 39-53	2.3	60
52	Selective Detrusor Activation By Electrical Sacral Nerve Root Stimulation in Spinal Cord Injury. <i>Journal of Urology</i> , <b>1997</b> , 1504-1508	2.5	1
51	In Reply: Re: Automated Prostate Volume Determination with Ultrasonographic Imaging. <i>Journal of Urology</i> , <b>1996</b> , 155, 1038-1039	2.5	1
50	In Reply: Re: Automated Prostate Volume Determination with Ultrasonographic Imaging. <i>Journal of Urology</i> , <b>1996</b> , 155, 292-293	2.5	
49	The Correlation Between Urodynamic and Cystoscopic Findings in Elderly Men with Voiding Complaints. <i>Journal of Urology</i> , <b>1996</b> , 155, 1018-1022	2.5	40
48	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. <i>Journal of Urology</i> , <b>1996</b> , 155, 1649-1654	2.5	72
47	Evaluation of Detrusor Activity During Micturition in Patients with Benign Prostatic Enlargement with a Clinical Nomogram. <i>Journal of Urology</i> , <b>1996</b> , 156, 473-479	2.5	5
46	Results of the Treatment of Neurogenic Bladder Dysfunction in Spinal Cord Injury by Sacral Posterior Root Rhizotomy and Anterior Sacral Root Stimulation. <i>Journal of Urology</i> , <b>1996</b> , 155, 1378-1381	2.5	68
45	Formula-derived prostate volume determination. <i>European Urology</i> , <b>1996</b> , 29, 399-402	10.2	25
44	Construction and application of hierarchical decision tree for classification of ultrasonographic prostate images. <i>Medical and Biological Engineering and Computing</i> , <b>1996</b> , 34, 105-9	3.1	10
43	Standardized assessment to enhance the diagnostic value of prostate volume; Part I: Morphometry in patients with lower urinary tract symptoms. <i>Prostate</i> , <b>1996</b> , 29, 317-26	4.2	6
42	Standardized assessment to enhance the diagnostic value of prostate volume; Part II: Correlation with prostate-specific antigen levels. <i>Prostate</i> , <b>1996</b> , 29, 327-33	4.2	5

41	Comparison of passive urethral resistance relation and urethral resistance factor in analysis of bladder outlet obstruction in patients with benign prostatic enlargement. <i>Neurourology and Urodynamics</i> , <b>1996</b> , 15, 1-10; discussion 10-5	2.3	6
40	Morphometric data of canine sacral nerve roots with reference to electrical sacral root stimulation. <i>Neurourology and Urodynamics</i> , <b>1996</b> , 15, 235-48	2.3	5
39	Improved reliability of uroflowmetry investigations: results of a portable home-based uroflowmetry study. <i>BJU International</i> , <b>1996</b> , 78, 385-90	5.6	36
38	Reproducibility of prostate volume measurements from transrectal ultrasonography by an automated and a manual technique. <i>British Journal of Urology</i> , <b>1996</b> , 78, 219-23		33
37	Results of the treatment of neurogenic bladder dysfunction in spinal cord injury by sacral posterior root rhizotomy and anterior sacral root stimulation. <i>Journal of Urology</i> , <b>1996</b> , 155, 1378-81	2.5	21
36	Clinical Diagnosis of Bladder Outlet Obstruction in Patients with Benign Prostatic Enlargement and Lower Urinary Tract Symptoms. <i>Journal of Urology</i> , <b>1996</b> , 1649-1654	2.5	4
35	Evaluation of Detrusor Activity During Micturition in Patients with Benign Prostatic Enlargement with a Clinical Nomogram. <i>Journal of Urology</i> , <b>1996</b> , 473-479	2.5	1
34	Perineal nerve stimulation for urinary sphincter control. Experimental study. <i>Urological Research</i> , <b>1995</b> , 23, 135-6		
33	Ultrasonic computer imaging of the prostate; correlation between longitudinal and transverse texture descriptions. <i>European Journal of Ultrasound: Official Journal of the European Federation of Societies for Ultrasound in Medicine and Biology</i> , <b>1995</b> , 2, 145-149		5
32	Modelling selective activation of small myelinated nerve fibres using a monopolar point electrode. <i>Medical and Biological Engineering and Computing</i> , <b>1995</b> , 33, 762-8	3.1	14
31	Automated analysis and interpretation of transrectal ultrasonography images in patients with prostatitis. <i>European Urology</i> , <b>1995</b> , 27, 47-53	10.2	24
30	Planimetric volumetry of the prostate: how accurate is it?. <i>Physiological Measurement</i> , <b>1995</b> , 16, 141-50	2.9	17
29	Variability of Pressure-Flow Analysis Parameters in Repeated Cystometry in Patients with Benign Prostatic Hyperplasia. <i>Journal of Urology</i> , <b>1995</b> , 153, 1520-1525	2.5	52
28	Computer Analysis of Transrectal Ultrasound Images of Prostate for Detection of Carcinoma: Prospective Study in Radical Prostatectomy Specimens. <i>Journal of Urology</i> , <b>1995</b> , 154, 1397-1400	2.5	23
27	Automated Prostate Volume Determination with Ultrasonographic Imaging. <i>Journal of Urology</i> , <b>1995</b> , 153, 1549-1554	2.5	29
26	Urodynamic Results of Laser Treatment in Patients with Benign Prostatic Hyperplasia. Can Outlet Obstruction be Relieved?. <i>Journal of Urology</i> , <b>1995</b> , 154, 174-180	2.5	13
25	Analysis of Maximum Detrusor Contraction Power in Relation to Bladder Emptying in Patients with Lower Urinary Tract Symptoms and Benign Prostatic Enlargement. <i>Journal of Urology</i> , <b>1995</b> , 154, 2137-2142	2.5	22
24	Computerized analysis of transrectal ultrasonography images in the detection of prostate carcinoma. <i>British Journal of Urology</i> , <b>1995</b> , 75, 485-91		5



23	Urodynamic assessment in the laser treatment of benign prostatic enlargement. <i>British Journal of Urology</i> , <b>1995</b> , 76, 604-10		13
22	Is detrusor instability in elderly males related to the grade of obstruction?. <i>Neurourology and Urodynamics</i> , <b>1995</b> , 14, 625-33	2.3	44
21	Automated Prostate Volume Determination with Ultrasonographic Imaging. <i>Journal of Urology</i> , <b>1995</b> , 1549-1554	2.5	1
20	Computer Analysis of Transrectal Ultrasound Images of Prostate for Detection of Carcinoma. <i>Journal of Urology</i> , <b>1995</b> , 1397-1400	2.5	1
19	The reliability of computer analysis of ultrasonographic prostate images: the influence of inconsistent histopathology. <i>Ultrasound in Medicine and Biology</i> , <b>1994</b> , 20, 871-6	3.5	6
18	Analysis of ultrasonographic prostate images for the detection of prostatic carcinoma: the automated urologic diagnostic expert system. <i>Ultrasound in Medicine and Biology</i> , <b>1994</b> , 20, 1-10	3.5	61
17	A practical clinical method for contour determination in ultrasonographic prostate images. <i>Ultrasound in Medicine and Biology</i> , <b>1994</b> , 20, 705-17	3.5	52
16	Selective stimulation of sacral nerve roots for bladder control: a study by computer modeling. <i>IEEE Transactions on Biomedical Engineering</i> , <b>1994</b> , 41, 413-24	5	63
15	. <i>IEEE Transactions on Rehabilitation Engineering: A Publication of the IEEE Engineering in Medicine and Biology Society</i> , <b>1994</b> , 2, 92-99		26
14	Bladder compliance after posterior sacral root rhizotomies and anterior sacral root stimulation. <i>Journal of Urology</i> , <b>1994</b> , 151, 955-60	2.5	19
13	Selective sacral root stimulation for bladder control: acute experiments in an animal model. <i>Journal of Urology</i> , <b>1994</b> , 151, 1674-9	2.5	34
12	Bladder pressure sensors in an animal model. <i>Journal of Urology</i> , <b>1994</b> , 151, 1379-84	2.5	25
11	Automated prostate volume determination <b>1992</b> ,		1
10	Motor evoked potentials from the bladder on magnetic stimulation of the cauda equina: a new technique for investigation of autonomic bladder innervation. <i>Journal of Urology</i> , <b>1992</b> , 147, 658-61	2.5	24
9	The step response of left ventricular pressure to ejection flow: a system oriented approach. <i>Annals of Biomedical Engineering</i> , <b>1992</b> , 20, 99-126	4.7	6
8	Left-ventricular dynamic model based on constant ejection flow periods. <i>IEEE Transactions on Biomedical Engineering</i> , <b>1991</b> , 38, 1204-12	5	5
7	Intradural sacral rhizotomies and implantation of an anterior sacral root stimulator in the treatment of neurogenic bladder dysfunction after spinal cord injury. <i>World Journal of Urology</i> , <b>1991</b> , 9, 126-132	4	35
6	Urethral sphincteric responses to sacral root stimulation. <i>European Urology</i> , <b>1991</b> , 20, 70-3	10.2	5



5	Comparison of the diagnostic value of pump and gravity cavernosometry in the evaluation of the cavernous veno-occlusive mechanism. <i>Journal of Urology</i> , <b>1991</b> , 146, 1266-70	2.5	13
4	Audex Medical, a new system for digital processing and analysis of ultrasonographic images of the prostate. <i>Scandinavian Journal of Urology and Nephrology, Supplement</i> , <b>1991</b> , 137, 95-100		4
3	Deactivation in the rabbit left ventricle induced by constant ejection flow. <i>IEEE Transactions on Biomedical Engineering</i> , <b>1989</b> , 36, 1113-23	5	8
2	Automatic Prostate Carcinoma Detection By The Use Of Tissue Characterisation		1
1			2