

Sung Il Hwang

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

1,145
citations

361296

20
h-index

454834

30
g-index

80
all docs

80
docs citations

80
times ranked

1706
citing authors

#	ARTICLE	IF	CITATIONS
1	Renal Papillary Necrosis: Review and Comparison of Findings at Multi-detector Row CT and Intravenous Urography. <i>Radiographics</i> , 2006, 26, 1827-1836.	1.4	85
2	The Classification of Renal Cancer in 3-Phase CT Images Using a Deep Learning Method. <i>Journal of Digital Imaging</i> , 2019, 32, 638-643.	1.6	70
3	The Visible Man: Three-dimensional Interactive Musculoskeletal Anatomic Atlas of the Lower Extremity. <i>Radiographics</i> , 2000, 20, 279-286.	1.4	54
4	Application of the Epstein criteria for prediction of clinically insignificant prostate cancer in Korean men. <i>BJU International</i> , 2010, 105, 1526-1530.	1.3	53
5	Trastuzumab-Conjugated Liposome-Coated Fluorescent Magnetic Nanoparticles to Target Breast Cancer. <i>Korean Journal of Radiology</i> , 2014, 15, 411.	1.5	53
6	Personalized 3D kidney model produced by rapid prototyping method and its usefulness in clinical applications. <i>International Braz J Urol: Official Journal of the Brazilian Society of Urology</i> , 2018, 44, 952-957.	0.7	50
7	Lesion detectability on diffusion-weighted imaging in transient global amnesia: the influence of imaging timing and magnetic field strength. <i>Neuroradiology</i> , 2012, 54, 329-334.	1.1	38
8	Effect of bony pelvic dimensions measured by preoperative magnetic resonance imaging on performing robot-assisted laparoscopic prostatectomy. <i>BJU International</i> , 2009, 104, 664-668.	1.3	35
9	Superior Labral Anteroposterior Tears: Accuracy and Interobserver Reliability of Multidetector CT Arthrography for Diagnosis. <i>Radiology</i> , 2011, 260, 207-215.	3.6	35
10	Segmental Enhancement Inversion of Small Renal Oncocytoma: Differences in Prevalence According to Tumor Size. <i>American Journal of Roentgenology</i> , 2013, 200, 1054-1059.	1.0	32
11	Comparison of radiographic and pathologic sizes of renal tumors. <i>World Journal of Urology</i> , 2010, 28, 263-267.	1.2	30
12	Benign Mixed Epithelial and Stromal Tumor of the Kidney. <i>Journal of Computer Assisted Tomography</i> , 2005, 29, 786-789.	0.5	28
13	Relationship of Prostate-Specific Antigen and Prostate Volume in Korean Men with Biopsy-Proven Benign Prostatic Hyperplasia. <i>Urology</i> , 2008, 71, 395-398.	0.5	28
14	Quantitation of bladder cancer for the prediction of muscle layer invasion as a complement to the vesical imaging-reporting and data system. <i>European Radiology</i> , 2021, 31, 1656-1666.	2.3	28
15	Image-based clinical decision support for transrectal ultrasound in the diagnosis of prostate cancer: comparison of multiple logistic regression, artificial neural network, and support vector machine. <i>European Radiology</i> , 2010, 20, 1476-1484.	2.3	26
16	Pre-Operative Prediction of Advanced Prostatic Cancer Using Clinical Decision Support Systems: Accuracy Comparison between Support Vector Machine and Artificial Neural Network. <i>Korean Journal of Radiology</i> , 2011, 12, 588.	1.5	26
17	Efficacy of the multidisciplinary tumor board conference in gynecologic oncology. <i>Medicine (United Tj ETQq1 1 0.784314 rgBT / Over</i>	0.4	25
18	Diagnostic performance of diffusion-weighted imaging for prostate cancer: Peripheral zone versus transition zone. <i>PLoS ONE</i> , 2018, 13, e0199636.	1.1	23

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19	Botulinum Toxin Injection for Salivary Gland Enlargement Evaluated Using Computed Tomographic Volumetry. <i>Dermatologic Surgery</i> , 2013, 39, 1404-1407.	0.4	22
20	Impact of diabetes mellitus on the detection of prostate cancer via contemporary multi (â€¥12)â€œcore prostate biopsy. <i>Prostate</i> , 2012, 72, 51-57.	1.2	21
21	The future perspectives in transrectal prostate ultrasound guided biopsy. <i>Prostate International</i> , 2014, 2, 153-160.	1.2	20
22	CT Voiding Cystourethrography Using 16-MDCT for the Evaluation of Female Urethral Diverticula: Initial Experience. <i>American Journal of Roentgenology</i> , 2005, 184, 1594-1596.	1.0	19
23	Outcomes of magnetic resonance imaging fusion-targeted biopsy of prostate imaging reporting and data system 3 lesions. <i>World Journal of Urology</i> , 2019, 37, 1581-1586.	1.2	18
24	Neurilemmoma of the Glans Penis. <i>Journal of Computer Assisted Tomography</i> , 2006, 30, 68-69.	0.5	16
25	Role of Transrectal Ultrasonography in the Prediction of Prostate Cancer. <i>Journal of Ultrasound in Medicine</i> , 2006, 25, 815-821.	0.8	15
26	Protection of the Renal Collecting System during Radiofrequency Ablation with Antegrade Cold Dextrose Infusion. <i>Radiology</i> , 2010, 256, 759-766.	3.6	14
27	Impact of Prostatic Apical Shape and Protrusion on Early Recovery of Continence After Robot-assisted Radical Prostatectomy. <i>Urology</i> , 2014, 84, 844-849.	0.5	14
28	Low-Tube-Voltage CT Urography Using Low-Concentration-Iodine Contrast Media and Iterative Reconstruction: A Multi-Institutional Randomized Controlled Trial for Comparison with Conventional CT Urography. <i>Korean Journal of Radiology</i> , 2018, 19, 1119.	1.5	14
29	Value of MR-US fusion in guidance of repeated prostate biopsy in men with PSAâ€œ<â€œ10â€œng/mL. <i>Clinical Imaging</i> , 2019, 53, 1-5.	0.8	14
30	MDCT Cystography for Detection of Vesicourethral Leak After Prostatectomy. <i>American Journal of Roentgenology</i> , 2008, 191, 1847-1851.	1.0	12
31	Should transition zone biopsies be added to 12â€œcore systematic biopsies of the prostate?. <i>Journal of Clinical Ultrasound</i> , 2009, 37, 281-284.	0.4	12
32	In Vitro and In Vivo Imaging of Prostate Cancer Angiogenesis Using Anti-Vascular Endothelial Growth Factor Receptor 2 Antibody-Conjugated Quantum Dot. <i>Korean Journal of Radiology</i> , 2013, 14, 30.	1.5	12
33	Prognostic value of seminal vesicle invasion on preoperative multi-parametric magnetic resonance imaging in pathological stage T3b prostate cancer. <i>Scientific Reports</i> , 2020, 10, 5693.	1.6	12
34	Differentiation of Urinary Stone and Vascular Calcifications on Non-contrast CT Images: An Initial Experience using Computer Aided Diagnosis. <i>Journal of Digital Imaging</i> , 2010, 23, 268-276.	1.6	11
35	<p>Ultrasound-sensitizing nanoparticle complex for overcoming the blood-brain barrier: an effective drug delivery system<p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3743-3752.	3.3	11
36	Usefulness of resistive index on spectral Doppler ultrasonography in the detection of renal cell carcinoma in patients with end-stage renal disease. <i>Ultrasonography</i> , 2014, 33, 136-142.	1.0	11

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37	Elastographic Strain Index in the Evaluation of Focal Lesions Detected With Transrectal Sonography of the Prostate Gland. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 899-904.	0.8	10
38	Evaluation of Tumor Angiogenesis in a Mouse PC-3 Prostate Cancer Model Using Dynamic Contrast-Enhanced Sonography. <i>Journal of Ultrasound in Medicine</i> , 2012, 31, 1223-1231.	0.8	9
39	A propensity-matched comparison of perioperative complications and of chronic kidney disease between robot-assisted laparoscopic partial nephrectomy and radiofrequency ablative therapy. <i>Asian Journal of Surgery</i> , 2015, 38, 126-133.	0.2	9
40	Biparametric versus multiparametric magnetic resonance imaging of the prostate: detection of clinically significant cancer in a perfect match group. <i>Prostate International</i> , 2020, 8, 146-151.	1.2	9
41	The Effect of Wireless LAN-Based PACS Device for Portable Imaging Modalities. <i>Journal of Digital Imaging</i> , 2010, 23, 185-191.	1.6	8
42	Effect of dorsal vascular complex size on the recovery of continence after radical prostatectomy. <i>World Journal of Urology</i> , 2013, 31, 383-388.	1.2	8
43	PROMISE CLIP Project: A Retrospective, Multicenter Study for Prostate Cancer that Integrates Clinical, Imaging and Pathology Data. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2982.	1.3	8
44	Prediction of extraprostatic extension on multi-parametric magnetic resonance imaging in patients with anterior prostate cancer. <i>European Radiology</i> , 2020, 30, 26-37.	2.3	7
45	Who can safely evade a magnetic resonance imaging fusion-targeted biopsy (MRIFTB) for prostate imaging reporting and data system (PI-RADS) 3 lesion?. <i>World Journal of Urology</i> , 2021, 39, 1463-1471.	1.2	7
46	Value of T1/T2-weighted magnetic resonance imaging registration to reduce the postbiopsy hemorrhage effect for prostate cancer localization. <i>Prostate International</i> , 2015, 3, 80-86.	1.2	6
47	The effect of 5 alpha-reductase inhibitor therapy on prostate cancer detection in the era of multi-parametric magnetic resonance imaging. <i>Scientific Reports</i> , 2019, 9, 17862.	1.6	6
48	Significance of postbiopsy hemorrhage observed on preoperative magnetic resonance imaging in performing robot-assisted laparoscopic radical prostatectomy. <i>World Journal of Urology</i> , 2010, 28, 721-726.	1.2	5
49	Diagnostic value of multiparametric MRI in detecting residual or recurrent prostate cancer after high-intensity focused ultrasound. <i>Prostate Cancer and Prostatic Diseases</i> , 2023, 26, 360-366.	2.0	5
50	Prediction of pathological outcomes for a single microfocal (≤3mm) Gleason 6 prostate cancer detected via contemporary multicore (≥12) biopsy in men with prostate-specific antigen ≤10ng/mL. <i>BJU International</i> , 2011, 108, 1101-1105.		4
51	Value of prostate-specific antigen (PSA) mass ratio in the detection of prostate cancer in men with PSA levels of ≤10ng/mL. <i>BJU International</i> , 2012, 110, E81-5.	1.3	4
52	Clinical Value of Core Length in Contemporary Multicore Prostate Biopsy. <i>PLoS ONE</i> , 2015, 10, e0123704.	1.1	4
53	Clinical Usefulness of Unenhanced Computed Tomography in Patients with Acute Pyelonephritis. <i>Journal of Korean Medical Science</i> , 2018, 33, e236.	1.1	4
54	Multimodality Imaging in Patients with Secondary Hypertension: With a Focus on Appropriate Imaging Approaches Depending on the Etiologies. <i>Korean Journal of Radiology</i> , 2018, 19, 272.	1.5	4

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55	Uni- and Multi-Modal Radiomic Features for the Predicting Prostate Cancer Aggressiveness. , 2020, , .		4
56	Ultrasound contrast-enhanced study as an imaging biomarker for anti-cancer drug treatment: preliminary study with paclitaxel in a xenograft mouse tumor model (secondary publication). Ultrasonography, 2017, 36, 370-377.	1.0	4
57	Adrenal Nodules Detected at Staging CT in Patients with Resectable Gastric Cancers Have a Low Incidence of Malignancy. Radiology, 2022, 302, 129-137.	3.6	4
58	Diagnostic yield of multiparametric MRI for local recurrence at biochemical recurrence after radical prostatectomy. Prostate International, 2022, 10, 135-141.	1.2	4
59	A Weak and Semi-supervised Segmentation Method for Prostate Cancer in TRUS Images. Journal of Digital Imaging, 2020, 33, 838-845.	1.6	3
60	Efficacy and safety of transvaginal high-intensity focused ultrasound therapy in women with symptomatic uterine leiomyomas: A clinical trial. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2021, 256, 302-307.	0.5	3
61	Evaluation of Renal Oxygenation in Normal Korean Volunteers Using 3.0 T Blood Oxygen Level-Dependent MRI. Journal of the Korean Society of Magnetic Resonance in Medicine, 2013, 17, 19.	0.1	3
62	Evaluation of lymph node metastasis in a rabbit tumor model: correlations between contrast-enhanced ultrasound and pathologic findings. Ultrasonography, 2020, 39, 60-69.	1.0	3
63	Diagnostic accuracy of F-18-Fluorocholine PET/CT and multiparametric MRI for prostate cancer. Prostate International, 2022, 10, 152-157.	1.2	3
64	Renal Cell Carcinoma in an End-stage Kidney: Evaluation with Spectral Doppler Ultrasound. Journal of Medical Ultrasound, 2004, 12, 91-94.	0.2	2
65	Magnetic resonance imaging findings in extrauterine malignant mixed mullerian tumors: Report of two cases. Journal of Magnetic Resonance Imaging, 2010, 32, 1238-1241.	1.9	2
66	Analysis of risk factors for post-bacillus Calmetteâ€“Guerin-induced prostatitis in patients with non-muscle invasive bladder cancer. Scientific Reports, 2020, 10, 9763.	1.6	2
67	Relationship of renal morphology on 3-dimensional ultrasonography with renal pathologic findings and outcome in biopsy-proven nephropathy. Experimental and Therapeutic Medicine, 2017, 15, 2088-2096.	0.8	1
68	Clinical Importance of Antibiotic Regimen in Transrectal Ultrasound-Guided Prostate Biopsy: A Single Center Analysis of Nine Thousand Four Hundred Eighty-Seven Cases. Surgical Infections, 2018, 19, 704-710.	0.7	1
69	Favorable intermediate risk prostate cancer with biopsy Gleason score of 6. BMC Urology, 2021, 21, 52.	0.6	1
70	Application of the Epstein criteria for prediction of clinically insignificant prostate cancer in Korean men. International Braz J Urol: Official Journal of the Brazilian Society of Urology, 2011, 37, 122-123.	0.7	1
71	Comparing Prostate Imaging-Reporting and Data System Version 2 (PI-RADSv2) Category 1 and 2 Groups: Clinical Implication of Negative Multiparametric Magnetic Resonance Imaging. BioMed Research International, 2020, 2020, 1-7.	0.9	0
72	Comparison of Accuracies between Real-Time Nonrigid and Rigid Registration in the MRIâ€“US Fusion Biopsy of the Prostate. Diagnostics, 2021, 11, 1481.	1.3	0

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73	Urothelial Carcinoma of the Upper Urinary Tract: Staging and the Enhancement Pattern by Multidetector Row Spiral CT. Journal of the Korean Society of Radiology, 2009, 60, 339.	0.1	0
74	Focal lesion at the midline of the prostate on transrectal ultrasonography: take it or leave it?. Ultrasonography, 2017, 36, 10-16.	1.0	0
75	Analysis of the Effects of Different Iodine Concentrations on the Characterization of Small Renal Lesions Detected by Multidetector Computed Tomography Scan: A Pilot Study. Journal of the Korean Society of Radiology, 2017, 76, 337.	0.1	0
76	Comparison of the diagnostic yield of various systematic randomized prostate biopsy protocols using prostate phantoms made of devil's tongue jelly. Ultrasonography, 2019, 38, 44-49.	1.0	0
77	Prediction of prostate cancer aggressiveness using quantitative radiomic features using multi-parametric MRI. , 2020, , .		0
78	The Global Reading Room: A Missed Incidental Finding. American Journal of Roentgenology, 2021, , .	1.0	0