Sung Il Hwang

List of Publications by Year
in descending order

78	1,145	361413	454955
papers	citations	20 h-index	30 g-index

80	80	80	1706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Renal Papillary Necrosis: Review and Comparison of Findings at Multiâ€“Detector Row CT and Intravenous Urography. Radiographics, 2006, 26, 1827-1836.	3.3	85
2	The Classification of Renal Cancer in 3-Phase CT Images Using a Deep Learning Method. Journal of Digital Imaging, 2019, 32, 638-643.	2.9	70
3	The Visible Man: Three-dimensional Interactive Musculoskeletal Anatomic Atlas of the Lower Extremity. Radiographics, 2000, 20, 279-286.	3.3	54
4	Application of the Epstein criteria for prediction of clinically insignificant prostate cancer in Korean men. BJU International, 2010, 105, 1526-1530.	2.5	53
5	Trastuzumab-Conjugated Liposome-Coated Fluorescent Magnetic Nanoparticles to Target Breast Cancer. Korean Journal of Radiology, 2014, 15, 411.	3.4	53
6	Personalized 3D kidney model produced by rapid prototyping method and its usefulness in clinical applications. International Braz J Urol: Official Journal of the Brazilian Society of Urology, 2018, 44, 952-957.	1.5	50
7	Lesion detectability on diffusion-weighted imaging in transient global amnesia: the influence of imaging timing and magnetic field strength. Neuroradiology, 2012, 54, 329-334.	2.2	38
8	Effect of bony pelvic dimensions measured by preoperative magnetic resonance imaging on performing robotâ€assisted laparoscopic prostatectomy. BJU International, 2009, 104, 664-668.	2.5	35
9	Superior Labral Anteroposterior Tears: Accuracy and Interobserver Reliability of Multidetector CT Arthrography for Diagnosis. Radiology, 2011, 260, 207-215.	7.3	35
10	Segmental Enhancement Inversion of Small Renal Oncocytoma: Differences in Prevalence According to Tumor Size. American Journal of Roentgenology, 2013, 200, 1054-1059.	2.2	32
11	Comparison of radiographic and pathologic sizes of renal tumors. World Journal of Urology, 2010, 28, 263-267.	2.2	30
12	Benign Mixed Epithelial and Stromal Tumor of the Kidney. Journal of Computer Assisted Tomography, 2005, 29, 786-789.	0.9	28
13	Relationship of Prostate-Specific Antigen and Prostate Volume in Korean Men with Biopsy-Proven Benign Prostatic Hyperplasia. Urology, 2008, 71, 395-398.	1.0	28
14	Quantitation of bladder cancer for the prediction of muscle layer invasion as a complement to the vesical imaging-reporting and data system. European Radiology, 2021, 31, 1656-1666.	4.5	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. European Radiology, 2010, 20, 1476-1484.	4.5	26
16	Pre-Operative Prediction of Advanced Prostatic Cancer Using Clinical Decision Support Systems: Accuracy Comparison between Support Vector Machine and Artificial Neural Network. Korean Journal of Radiology, 2011, 12, 588.	3.4	26
17	Efficacy of the multidisciplinary tumor board conference in gynecologic oncology. Medicine (United) Tj ETQq1 1 0.784314 rgBT /Over	1.0	25
18	Diagnostic performance of diffusion-weighted imaging for prostate cancer: Peripheral zone versus transition zone. PLoS ONE, 2018, 13, e0199636.	2.5	23

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19	Botulinum Toxin Injection for Salivary Gland Enlargement Evaluated Using Computed Tomographic Volumetry. Dermatologic Surgery, 2013, 39, 1404-1407.	0.8	22
20	Impact of diabetes mellitus on the detection of prostate cancer via contemporary multi (â‰¥12)â€core prostate biopsy. Prostate, 2012, 72, 51-57.	2.3	21
21	The future perspectives in transrectal prostate ultrasound guided biopsy. Prostate International, 2014, 2, 153-160.	2.3	20
22	CT Voiding Cystourethrography Using 16-MDCT for the Evaluation of Female Urethral Diverticula: Initial Experience. American Journal of Roentgenology, 2005, 184, 1594-1596.	2.2	19
23	Outcomes of magnetic resonance imaging fusion-targeted biopsy of prostate imaging reporting and data system 3 lesions. World Journal of Urology, 2019, 37, 1581-1586.	2.2	18
24	Neurilemmoma of the Glans Penis. Journal of Computer Assisted Tomography, 2006, 30, 68-69.	0.9	16
25	Role of Transrectal Ultrasonography in the Prediction of Prostate Cancer. Journal of Ultrasound in Medicine, 2006, 25, 815-821.	1.7	15
26	Protection of the Renal Collecting System during Radiofrequency Ablation with Antegrade Cold Dextrose Infusion. Radiology, 2010, 256, 759-766.	7.3	14
27	Impact of Prostatic Apical Shape and Protrusion on Early Recovery of Continence After Robot-assisted Radical Prostatectomy. Urology, 2014, 84, 844-849.	1.0	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. Korean Journal of Radiology, 2018, 19, 1119.	3.4	14
29	Value of MR-US fusion in guidance of repeated prostate biopsy in men with PSAâ€<â€10â€ng/mL. Clinical Imaging, 2019, 53, 1-5.	1.5	14
30	MDCT Cystography for Detection of Vesicourethral Leak After Prostatectomy. American Journal of Roentgenology, 2008, 191, 1847-1851.	2.2	12
31	Should transition zone biopsies be added to 12â€core systematic biopsies of the prostate?. Journal of Clinical Ultrasound, 2009, 37, 281-284.	0.8	12
32	In VitroandIn VivoImaging of Prostate Cancer Angiogenesis Using Anti-Vascular Endothelial Growth Factor Receptor 2 Antibody-Conjugated Quantum Dot. Korean Journal of Radiology, 2013, 14, 30.	3.4	12
33	Prognostic value of seminal vesicle invasion on preoperative multi-parametric magnetic resonance imaging in pathological stage T3b prostate cancer. Scientific Reports, 2020, 10, 5693.	3.3	12
34	Differentiation of Urinary Stone and Vascular Calcifications on Non-contrast CT Images: An Initial Experience using Computer Aided Diagnosis. Journal of Digital Imaging, 2010, 23, 268-276.	2.9	11
35	Ultrasound-sensitizing nanoparticle complex for overcoming the blood-brain barrier: an effective drug delivery system . International Journal of Nanomedicine, 2019, Volume 14, 3743-3752.	6.7	11
36	Usefulness of resistive index on spectral Doppler ultrasonography in the detection of renal cell carcinoma in patients with end-stage renal disease. Ultrasonography, 2014, 33, 136-142.	2.3	11

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37	Elastographic Strain Index in the Evaluation of Focal Lesions Detected With Transrectal Sonography of the Prostate Gland. Journal of Ultrasound in Medicine, 2016, 35, 899-904.	1.7	10
38	Evaluation of Tumor Angiogenesis in a Mouse PC-3 Prostate Cancer Model Using Dynamic Contrast-Enhanced Sonography. Journal of Ultrasound in Medicine, 2012, 31, 1223-1231.	1.7	9
39	A propensity-matched comparison of perioperative complications and of chronic kidney disease between robot-assisted laparoscopic partial nephrectomy and radiofrequency ablative therapy. Asian Journal of Surgery, 2015, 38, 126-133.	0.4	9
40	Biparametric versus multiparametric magnetic resonance imaging of the prostate: detection of clinically significant cancer in a perfect match group. Prostate International, 2020, 8, 146-151.	2.3	9
41	The Effect of Wireless LAN-Based PACS Device for Portable Imaging Modalities. Journal of Digital Imaging, 2010, 23, 185-191.	2.9	8
42	Effect of dorsal vascular complex size on the recovery of continence after radical prostatectomy. World Journal of Urology, 2013, 31, 383-388.	2.2	8
43	PROMISE CLIP Project: A Retrospective, Multicenter Study for Prostate Cancer that Integrates Clinical, Imaging and Pathology Data. Applied Sciences (Switzerland), 2019, 9, 2982.	2.5	8
44	Prediction of extraprostatic extension on multi-parametric magnetic resonance imaging in patients with anterior prostate cancer. European Radiology, 2020, 30, 26-37.	4.5	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?. World Journal of Urology, 2021, 39, 1463-1471.	2.2	7
46	Value of T1/T2-weighted magnetic resonance imaging registration to reduce the postbiopsy hemorrhage effect for prostate cancer localization. Prostate International, 2015, 3, 80-86.	2.3	6
47	The effect of 5 alpha-reductase inhibitor therapy on prostate cancer detection in the era of multi-parametric magnetic resonance imaging. Scientific Reports, 2019, 9, 17862.	3.3	6
48	Significance of postbiopsy hemorrhage observed on preoperative magnetic resonance imaging in performing robot-assisted laparoscopic radical prostatectomy. World Journal of Urology, 2010, 28, 721-726.	2.2	5
49	Diagnostic value of multiparametric MRI in detecting residual or recurrent prostate cancer after high-intensity focused ultrasound. Prostate Cancer and Prostatic Diseases, 2023, 26, 360-366.	3.9	5
50	Prediction of pathological outcomes for a single microfocal (â‰¤3â€ƒmm) Gleason 6 prostate cancer detected via contemporary multicore (â‰¥12) biopsy in men with prostateâ€specific antigen â‰¤10â€ƒng/mL. BJU International, 2011, 108, 1101-1105.	2.5	4
51	Value of prostateâ€specific antigen (PSA) mass ratio in the detection of prostate cancer in men with PSA levels of â‰¤10â€ƒng/mL. BJU International, 2012, 110, E81-5.	2.5	4
52	Clinical Value of Core Length in Contemporary Multicore Prostate Biopsy. PLoS ONE, 2015, 10, e0123704.	2.5	4
53	Clinical Usefulness of Unenhanced Computed Tomography in Patients with Acute Pyelonephritis. Journal of Korean Medical Science, 2018, 33, e236.	2.5	4
54	Multimodality Imaging in Patients with Secondary Hypertension: With a Focus on Appropriate Imaging Approaches Depending on the Etiologies. Korean Journal of Radiology, 2018, 19, 272.	3.4	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.	2.3	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.	7.3	4
58	Diagnostic yield of multiparametric MRI for local recurrence at biochemical recurrence after radical prostatectomy. Prostate International, 2022, 10, 135-141.	2.3	4
59	A Weak and Semi-supervised Segmentation Method for Prostate Cancer in TRUS Images. Journal of Digital Imaging, 2020, 33, 838-845.	2.9	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.	1.1	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.	2.3	3
63	Diagnostic accuracy of F-18-Fluorocholine PET/CT and multiparametric MRI for prostate cancer. Prostate International, 2022, 10, 152-157.	2.3	3
64	Renal Cell Carcinoma in an End-stage Kidney: Evaluation with Spectral Doppler Ultrasound. Journal of Medical Ultrasound, 2004, 12, 91-94.	0.4	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.	3.4	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.	3.3	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.	1.8	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.	1.4	1
69	Favorable intermediate risk prostate cancer with biopsy Gleason score of 6. BMC Urology, 2021, 21, 52.	1.4	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.	1.5	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.	1.9	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.	2.6	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.	0.2	0
74	Focal lesion at the midline of the prostate on transrectal ultrasonography: take it or leave it?. Ultrasonography, 2017, 36, 10-16.	2.3	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.	0.2	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.	2.3	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, , .	2.2	0