

# Darryl H Hwang

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,600  
citations

331538

21  
h-index

315616

38  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2890  
citing authors

#	ARTICLE	IF	CITATIONS
1	Personalized 3D printed model of kidney and tumor anatomy: a useful tool for patient education. World Journal of Urology, 2016, 34, 337-345.	1.2	258
2	Texture Analysis of Imaging: What Radiologists Need to Know. American Journal of Roentgenology, 2019, 212, 520-528.	1.0	157
3	Clinical Applications of Diffusion Tensor Imaging. World Neurosurgery, 2014, 82, 96-109.	0.7	102
4	Low-tech solutions for the COVID-19 supply chain crisis. Nature Reviews Materials, 2020, 5, 403-406.	23.8	89
5	Novel diffusion tensor imaging methodology to detect and quantify injured regions and affected brain pathways in traumatic brain injury. Magnetic Resonance Imaging, 2010, 28, 22-40.	1.0	84
6	Objective risk stratification of prostate cancer using machine learning and radiomics applied to multiparametric magnetic resonance images. Scientific Reports, 2019, 9, 1570.	1.6	60
7	The ENIGMA Stroke Recovery Working Group: Big data neuroimaging to study brain-behavior relationships after stroke. Human Brain Mapping, 2022, 43, 129-148.	1.9	54
8	Cortical Activation Associated with Muscle Synergies of the Human Male Pelvic Floor. Journal of Neuroscience, 2014, 34, 13811-13818.	1.7	52
9	Reliability of CT-based texture features: Phantom study. Journal of Applied Clinical Medical Physics, 2019, 20, 155-163.	0.8	51
10	Differentiation of Predominantly Solid Enhancing Lipid-Poor Renal Cell Masses by Use of Contrast-Enhanced CT: Evaluating the Role of Texture in Tumor Subtyping. American Journal of Roentgenology, 2018, 211, W288-W296.	1.0	45
11	Shape and texture-based radiomics signature on CT effectively discriminates benign from malignant renal masses. European Radiology, 2021, 31, 1011-1021.	2.3	40
12	Neuroimaging Changes in the Brain in Contact versus Noncontact Sport Athletes Using Diffusion Tensor Imaging. World Neurosurgery, 2013, 80, 824-828.	0.7	39
13	Quantitative assessment of solid renal masses by contrast-enhanced ultrasound with time-intensity curves: how we do it. Abdominal Imaging, 2015, 40, 2461-2471.	2.0	38
14	Predicting Meningioma Consistency on Preoperative Neuroimaging Studies. Neurosurgery Clinics of North America, 2016, 27, 145-154.	0.8	37
15	CT-based radiomics stratification of tumor grade and TNM stage of clear cell renal cell carcinoma. European Radiology, 2022, 32, 2552-2563.	2.3	36
16	Accuracy of Contrast-Enhanced Ultrasound Compared With Magnetic Resonance Imaging in Assessing the Tumor Response After Neoadjuvant Chemotherapy for Breast Cancer. Journal of Ultrasound in Medicine, 2017, 36, 901-911.	0.8	35
17	CT prediction of the Fuhrman grade of clear cell renal cell carcinoma (RCC): towards the development of computer-assisted diagnostic method. Abdominal Imaging, 2015, 40, 3168-3174.	2.0	33
18	Improved Glioma Grading Using Deep Convolutional Neural Networks. American Journal of Neuroradiology, 2021, 42, 233-239.	1.2	29

#	ARTICLE	IF	CITATIONS
19	Computed tomography-based texture analysis of bladder cancer: differentiating urothelial carcinoma from micropapillary carcinoma. <i>Abdominal Radiology</i> , 2019, 44, 201-208.	1.0	26
20	Quantitative Contour Analysis as an Image-based Discriminator Between Benign and Malignant Renal Tumors. <i>Urology</i> , 2018, 114, 121-127.	0.5	23
21	Deep learning based classification of solid lipid-poor contrast enhancing renal masses using contrast enhanced CT. <i>British Journal of Radiology</i> , 2020, 93, 20200002.	1.0	23
22	Whole lesion quantitative CT evaluation of renal cell carcinoma: differentiation of clear cell from papillary renal cell carcinoma. <i>SpringerPlus</i> , 2015, 4, 66.	1.2	22
23	Voxel-based whole-lesion enhancement parameters: a study of its clinical value in differentiating clear cell renal cell carcinoma from renal oncocytoma. <i>Abdominal Radiology</i> , 2017, 42, 552-560.	1.0	21
24	Brain Segmentation From Computed Tomography of Healthy Aging and Geriatric Concussion at Variable Spatial Resolutions. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 9.	1.3	20
25	Identification of robust and reproducible CT texture metrics using a customized 3D-printed texture phantom. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 98-107.	0.8	19
26	Whole-tumor 3D volumetric MRI-based radiomics approach for distinguishing between benign and malignant soft tissue tumors. <i>European Radiology</i> , 2021, 31, 8522-8535.	2.3	19
27	Co-registration of in vivo human MRI brain images to postmortem histological microscopic images. <i>International Journal of Imaging Systems and Technology</i> , 2008, 18, 325-335.	2.7	17
28	A Radiomic-based Machine Learning Algorithm to Reliably Differentiate Benign Renal Masses from Renal Cell Carcinoma. <i>European Urology Focus</i> , 2022, 8, 988-994.	1.6	15
29	Image Coregistration: Quantitative Processing Framework for the Assessment of Brain Lesions. <i>Journal of Digital Imaging</i> , 2014, 27, 369-379.	1.6	13
30	Strategies for Disseminating Information on Biomedical Research on Autism to Hispanic Parents. <i>Journal of Autism and Developmental Disorders</i> , 2016, 46, 1038-1050.	1.7	13
31	Quantitative magnetic resonance imaging (q-MRI) for the assessment of soft-tissue sarcoma treatment response: a narrative case review of technique development. <i>Clinical Imaging</i> , 2020, 63, 83-93.	0.8	13
32	Differentiating solid, non-macroscopic fat containing, enhancing renal masses using fast Fourier transform analysis of multiphase CT. <i>British Journal of Radiology</i> , 2018, 91, 20170789.	1.0	11
33	Juxtatumoral perinephric fat analysis in clear cell renal cell carcinoma. <i>Abdominal Radiology</i> , 2019, 44, 1470-1480.	1.0	11
34	Benchmarking Various Radiomic Toolkit Features While Applying the Image Biomarker Standardization Initiative toward Clinical Translation of Radiomic Analysis. <i>Journal of Digital Imaging</i> , 2021, 34, 1156-1170.	1.6	11
35	Contrast-enhanced Sonography for Monitoring Neoadjuvant Chemotherapy in Soft Tissue Sarcomas. <i>Journal of Ultrasound in Medicine</i> , 2015, 34, 1489-1499.	0.8	9
36	Perioperative Outcome of Suprarenal Resection of Vena Cava Without Reconstruction in Urologic Malignancies: A Case Series and Review of the Literature. <i>Urology</i> , 2020, 142, 146-154.	0.5	9

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37	Brain cortical structural differences between non-central nervous system cancer patients treated with and without chemotherapy compared to non-cancer controls: a cross-sectional pilot MRI study using clinically indicated scans. , 2017, 10572, .		9
38	Radiomics and Bladder Cancer: Current Status. <i>Bladder Cancer</i> , 2020, 6, 343-362.	0.2	8
39	PNPLA3 Genotype, Arachidonic Acid Intake, and Unsaturated Fat Intake Influences Liver Fibrosis in Hispanic Youth with Obesity. <i>Nutrients</i> , 2021, 13, 1621.	1.7	8
40	Early Adiposity Rebound Predicts Obesity and Adiposity in Youth with Congenital Adrenal Hyperplasia. <i>Hormone Research in Paediatrics</i> , 2020, 93, 609-615.	0.8	8
41	Smaller spared subcortical nuclei are associated with worse post-stroke sensorimotor outcomes in 28 cohorts worldwide. <i>Brain Communications</i> , 2021, 3, fcb254.	1.5	7
42	Objective risk stratification of prostate cancer using machine learning and radiomics applied to multiparametric magnetic resonance images. , 2020, , .		5
43	Frame to Improve the Fit of N95 Filtering Face Mask Respirators. <i>Journal of Occupational and Environmental Medicine</i> , 2021, 63, e362-e366.	0.9	4
44	Statistical Analysis of Relative Pose of the Thalamus in Preterm Neonates. <i>Lecture Notes in Computer Science</i> , 2014, 8361, 1-9.	1.0	4
45	5-Aminolevulinic acid-enhanced fluorescence-guided treatment of high-grade glioma using angled endoscopic blue light visualization: technical case series with preliminary follow-up. <i>Journal of Neurosurgery</i> , 2022, 137, 1378-1386.	0.9	4
46	Liver Fat Reduction After Gastric Banding and Associations with Changes in Insulin Sensitivity and Î²-Cell Function. <i>Obesity</i> , 2021, 29, 1155-1163.	1.5	2
47	3D pre- versus post-season comparisons of surface and relative pose of the corpus callosum in contact sport athletes. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
48	Multidimensional Interactive Radiology Report and Analysis: standardization of workflow and reporting for renal mass tracking and quantification. , 2015, 9681, .		1
49	EdgeRunner: a novel shape-based pipeline for tumours analysis and characterisation. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2018, 6, 84-92.	1.3	1
50	Physicochemical Investigation into Major League Baseballs in the Era of Unprecedented Rise in Home Runs. <i>ACS Omega</i> , 2019, 4, 20109-20117.	1.6	1
51	Evaluation of Knee Cartilage Diurnal, Activity, and BMI-Related Variations Using Quantitative T2 Mapping MRI and Fitbit Activity Tracking. <i>Journal of Knee Surgery</i> , 2021, 34, 251-257.	0.9	1
52	Weight Loss During Topiramate Treatment in a Severely Obese Adolescent with Congenital Adrenal Hyperplasia and Migraine. <i>JCRPE Journal of Clinical Research in Pediatric Endocrinology</i> , 2023, 15, 81-85.	0.4	1
53	An 82-year-old female with chest pain radiating to the back and flank. <i>Urology Case Reports</i> , 2020, 32, 101220.	0.1	1
54	Coincident intrasellar persistent trigeminal artery and craniopharyngioma: case report and implications for transsphenoidal surgery. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2014, 1, 91-93.	0.2	0