Ivan Pedrosa

List of Publications by Year
in descending order

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102 papers	3,943 citations	147801 31 h-index	138484 58 g-index
103 all docs	103 docs citations	103 times ranked	5950 citing authors

#	Article	IF	Citations
1	Targeting renal cell carcinoma with a HIF-2 antagonist. Nature, 2016, 539, 112-117.	27.8	521
2	Spectrum of diverse genomic alterations define nonâ€“clear cell renal carcinoma subtypes. Nature Genetics, 2015, 47, 13-21.	21.4	310
3	Bosniak Classification of Cystic Renal Masses, Version 2019: An Update Proposal and Needs Assessment. Radiology, 2019, 292, 475-488.	7.3	278
4	Isotope Tracing of Human Clear Cell Renal Cell Carcinomas Demonstrates Suppressed Glucose Oxidation InÂVivo. Cell Metabolism, 2018, 28, 793-800.e2.	16.2	193
5	MR imaging of the prostate at 3 tesla. Academic Radiology, 2004, 11, 857-862.	2.5	132
6	Bap1 is essential for kidney function and cooperates with Vhl in renal tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16538-16543.	7.1	123
7	HIF-2 Complex Dissociation, Target Inhibition, and Acquired Resistance with PT2385, a First-in-Class HIF-2 Inhibitor, in Patients with Clear Cell Renal Cell Carcinoma. Clinical Cancer Research, 2020, 26, 793-803.	7.0	117
8	Diagnostic Accuracy of Multiparametric Magnetic Resonance Imaging to Identify Clear Cell Renal Cell Carcinoma in cT1a Renal Masses. Journal of Urology, 2017, 198, 780-786.	0.4	80
9	Consensus-based technical recommendations for clinical translation of renal ASL MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 141-161.	2.0	80
10	Abbreviated MRI Protocols for the Abdomen. Radiographics, 2019, 39, 744-758.	3.3	73
11	Imaging of Solid Renal Masses. Radiologic Clinics of North America, 2017, 55, 243-258.	1.8	71
12	MR Imagingâ€“Transrectal US Fusion for Targeted Prostate Biopsies: Implications for Diagnosis and Clinical Management. Radiographics, 2015, 35, 696-708.	3.3	69
13	Safety and Efficacy of Stereotactic Ablative Radiation Therapy for Renal Cell Carcinoma Extracranial Metastases. International Journal of Radiation Oncology Biology Physics, 2017, 98, 91-100.	0.8	67
14	Diagnostic Performance and Interreader Agreement of a Standardized MR Imaging Approach in the Prediction of Small Renal Mass Histology. Radiology, 2018, 287, 543-553.	7.3	64
15	ACR guidance document on MR safe practices: Updates and critical information 2019. Journal of Magnetic Resonance Imaging, 2020, 51, 331-338.	3.4	61
16	Unsaturated Fatty Acids Stimulate Tumor Growth through Stabilization of Î²-Catenin. Cell Reports, 2015, 13, 495-503.	6.4	57
17	Abbreviatedâ€protocol screening MRI vs. completeâ€protocol diagnostic MRI for detection of hepatocellular carcinoma in patients with cirrhosis: An equivalence study using LIâ€RADS v2018. Journal of Magnetic Resonance Imaging, 2020, 51, 415-425.	3.4	57
18	Imaging and Screening of Kidney Cancer. Radiologic Clinics of North America, 2017, 55, 1235-1250.	1.8	48

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19	Postoperative Imaging after Surgical Repair for Pelvic Floor Dysfunction. Radiographics, 2016, 36, 1233-1256.	3.3	44
20	Tumor Vascularity in Renal Masses: Correlation ofÂArterial Spin-Labeled and Dynamic Contrast-Enhanced Magnetic Resonance Imaging Assessments. Clinical Genitourinary Cancer, 2016, 14, e25-e36.	1.9	44
21	Technical recommendations for clinical translation of renal MRI: a consensus project of the Cooperation in Science and Technology Action PARENCHIMA. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 131-140.	2.0	44
22	Novel Imaging Methods for Renal Mass Characterization: A Collaborative Review. European Urology, 2022, 81, 476-488.	1.9	44
23	Diagnostic Utility of a Likert Scale Versus Qualitative Descriptors and Length of Capsular Contact for Determining Extraprostatic Tumor Extension at Multiparametric Prostate MRI. American Journal of Roentgenology, 2018, 210, 1066-1072.	2.2	42
24	Magnetic Resonance Imagingâ€“guided In-bore and Magnetic Resonance Imaging-transrectal Ultrasound Fusion Targeted Prostate Biopsies: An Adjusted Comparison of Clinically Significant Prostate Cancer Detection Rate. European Urology Oncology, 2019, 2, 397-404.	5.4	42
25	Effect of Stereotactic Body Radiotherapy on the Growth Kinetics and Enhancement Pattern of Primary Renal Tumors. American Journal of Roentgenology, 2016, 206, 544-553.	2.2	41
26	Radiomics in Kidney Cancer. Magnetic Resonance Imaging Clinics of North America, 2019, 27, 1-13.	1.1	41
27	Mechanisms of Action of Liraglutide in Patients With Type 2 Diabetes Treated With High-Dose Insulin. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 1798-1806.	3.6	40
28	Geometric Distortion in Diffusion-weighted MR Imaging of the Prostateâ€”Contributing Factors and Strategies for Improvement. Academic Radiology, 2014, 21, 817-823.	2.5	37
29	Comparison of prostate cancer detection at 3-T MRI with and without an endorectal coil: A prospective, paired-patient study. Urologic Oncology: Seminars and Original Investigations, 2016, 34, 255.e7-255.e13.	1.6	37
30	Neoadjuvant SABR for Renal Cell Carcinoma Inferior Vena Cava Tumor Thrombusâ€”Safety Lead-in Results of a Phase 2 Trial. International Journal of Radiation Oncology Biology Physics, 2021, 110, 1135-1142.	0.8	36
31	Imaging of Solid Renal Masses. Urologic Clinics of North America, 2018, 45, 311-330.	1.8	35
32	Germline and sporadic mTOR pathway mutations in low-grade oncocytic tumor of the kidney. Modern Pathology, 2022, 35, 333-343.	5.5	34
33	Ontological analyses reveal clinically-significant clear cell renal cell carcinoma subtypes with convergent evolutionary trajectories into an aggressive type. EBioMedicine, 2020, 51, 102526.	6.1	33
34	Decision analysis model comparing cost of multiparametric magnetic resonance imaging vs. repeat biopsy for detection of prostate cancer in men with prior negative findings on biopsy. Urologic Oncology: Seminars and Original Investigations, 2015, 33, 266.e9-266.e16.	1.6	32
35	Development of a Patient-specific Tumor Mold Using Magnetic Resonance Imaging and 3-Dimensional Printing Technology for Targeted Tissue Procurement and Radiomics Analysis of Renal Masses. Urology, 2018, 112, 209-214.	1.0	32
36	Intratumor Heterogeneity of Perfusion and Diffusion in Clear-Cell Renal Cell Carcinoma: Correlation With Tumor Cellularity. Clinical Genitourinary Cancer, 2016, 14, e585-e594.	1.9	31

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37	Magnetic resonance/transrectal ultrasound fusion biopsy of the prostate compared to systematic 12-core biopsy for the diagnosis and characterization of prostate cancer: multi-institutional retrospective analysis of 389 patients. Urologic Oncology: Seminars and Original Investigations, 2016, 34, 416.e9-416.e14.	1.6	31
38	Delayed Growth in Incidental Pancreatic Cysts: Are the Current American College of Radiology Recommendations for Follow-up Appropriate?. Radiology, 2016, 278, 752-761.	7.3	30
39	Renal and adrenal masses containing fat at MRI: Proposed nomenclature by the society of abdominal radiology diseaseâ€focused panel on renal cell carcinoma. Journal of Magnetic Resonance Imaging, 2019, 49, 917-926.	3.4	30
40	How We Do It: Managing the Indeterminate Renal Mass with the MRI Clear Cell Likelihood Score. Radiology, 2022, 302, 256-269.	7.3	30
41	Volumetric Arterial Spin-labeled Perfusion Imaging of the Kidneys with a Three-dimensional Fast Spin Echo Acquisition. Academic Radiology, 2016, 23, 144-154.	2.5	28
42	Quantification of renal steatosis in type II diabetes mellitus using dixonâ€based MRI. Journal of Magnetic Resonance Imaging, 2016, 44, 1312-1319.	3.4	27
43	Assessment of Prospectively Assigned Likert Scores for Targeted Magnetic Resonance Imaging-Transrectal Ultrasound Fusion Biopsies in Patients with Suspected Prostate Cancer. Journal of Urology, 2016, 195, 80-87.	0.4	27
44	Diagnostic performance of prospectively assigned clear cell Likelihood scores (ccLS) in small renal masses at multiparametric magnetic resonance imaging. Urologic Oncology: Seminars and Original Investigations, 2019, 37, 941-946.	1.6	27
45	Early Peribiliary Hyperenhancement on MRI in Patients with Primary Sclerosing Cholangitis: Significance and Association with the Mayo Risk Score. Abdominal Radiology, 2017, 42, 152-158.	2.1	24
46	Optimal sampling scheme in men with abnormal multiparametric MRI undergoing MRI-TRUS fusion prostate biopsy. Urologic Oncology: Seminars and Original Investigations, 2019, 37, 57-62.	1.6	24
47	Prospective Inclusion of Apparent Diffusion Coefficients in Multiparametric Prostate MRI Structured Reports: Discrimination of Clinically Insignificant and Significant Cancers. American Journal of Roentgenology, 2019, 212, 109-116.	2.2	24
48	Acute interstitial nephritis, a potential predictor of response to immune checkpoint inhibitors in renal cell carcinoma. , 2020, 8, e001198.		24
49	Magnetic Resonance Imaging Radiomics Analyses for Prediction of High-Grade Histology and Necrosis in Clear Cell Renal Cell Carcinoma: Preliminary Experience. Clinical Genitourinary Cancer, 2021, 19, 12-21.e1.	1.9	22
50	An initial negative round of targeted biopsies in men with highly suspicious multiparametric magnetic resonance findings does not exclude clinically significant prostate cancerâ€"Preliminary experience. Urologic Oncology: Seminars and Original Investigations, 2017, 35, 149.e15-149.e21.	1.6	21
51	Active Surveillance of Renal Masses: The Role of Radiology. Radiology, 2022, 302, 11-24.	7.3	20
52	Quantitative R₂* MRI of the liver with rician noise models for evaluation of hepatic iron overload: Simulation, phantom, and early clinical experience. Journal of Magnetic Resonance Imaging, 2015, 42, 1544-1559.	3.4	19
53	Quantitative diffusionâ€weighted imaging and dynamic contrastâ€enhanced characterization of the index lesion with multiparametric MRI in prostate cancer patients. Journal of Magnetic Resonance Imaging, 2017, 45, 908-916.	3.4	19
54	MDCT vs. MRI for incidental pancreatic cysts: measurement variability and impact on clinical management. Abdominal Radiology, 2017, 42, 521-530.	2.1	17

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55	Role of Virtual Biopsy in the Management of Renal Masses. American Journal of Roentgenology, 2019, 212, 1234-1243.	2.2	17
56	Deciphering Intratumoral Molecular Heterogeneity in Clear Cell Renal Cell Carcinoma with a Radiogenomics Platform. Clinical Cancer Research, 2021, 27, 4794-4806.	7.0	17
57	Stereotactic ablative radiation therapy for renal cell carcinoma with inferior vena cava tumor thrombus. Urologic Oncology: Seminars and Original Investigations, 2022, 40, 166.e9-166.e13.	1.6	17
58	Imaging Advances in the Management of Kidney Cancer. Journal of Clinical Oncology, 2018, 36, 3582-3590.	1.6	16
59	Prospective PI-RADS v2.1 Atypical Benign Prostatic Hyperplasia Nodules With Marked Restricted Diffusion: Detection of Clinically Significant Prostate Cancer on Multiparametric MRI. American Journal of Roentgenology, 2021, 217, 395-403.	2.2	16
60	Concentration-dependent Early Antivascular and Antitumor Effects of Itraconazole in Nonâ€“Small Cell Lung Cancer. Clinical Cancer Research, 2020, 26, 6017-6027.	7.0	16
61	Update on <scp>MRI</scp> of Cystic Renal Masses Including Bosniak Version 2019. Journal of Magnetic Resonance Imaging, 2021, 54, 341-356.	3.4	15
62	Influence of rectal gel volume on defecation during dynamic pelvic floor magnetic resonance imaging. Clinical Imaging, 2015, 39, 1027-1031.	1.5	14
63	Low-to-high b value DWI ratio approaches in multiparametric MRI of the prostate: feasibility, optimal combination of b values, and comparison with ADC maps for the visual presentation of prostate cancer. Quantitative Imaging in Medicine and Surgery, 2018, 8, 557-567.	2.0	14
64	Current Challenges in Diagnosis and Assessment of the Response of Locally Advanced and Metastatic Renal Cell Carcinoma. Radiographics, 2019, 39, 998-1016.	3.3	14
65	Bosniak classification of cystic renal masses, version 2019: interpretation pitfalls and recommendations to avoid misclassification. Abdominal Radiology, 2021, 46, 2699-2711.	2.1	14
66	Robust pCASL perfusion imaging using a 3D Cartesian acquisition with spiral profile reordering (CASPR). Magnetic Resonance in Medicine, 2019, 82, 1713-1724.	3.0	13
67	Diagnostic Performance of Prospectively Assigned Likert Scale Scores to Determine Extraprostatic Extension and Seminal Vesicle Invasion With Multiparametric MRI of the Prostate. American Journal of Roentgenology, 2019, 212, 576-581.	2.2	13
68	Defecation versus pre- and post-defecation Valsalva maneuvers for dynamic MR assessment of pelvic floor dysfunction. Abdominal Radiology, 2021, 46, 1362-1372.	2.1	13
69	Gleason Grade Group Concordance between Preoperative Targeted Biopsy and Radical Prostatectomy Histopathologic Analysis: A Comparison Between In-Bore MRI-guided and MRIâ€“Transrectal US Fusion Prostate Biopsies. Radiology Imaging Cancer, 2021, 3, e200123.	1.6	12
70	Association of Clear Cell Likelihood Score on MRI and Growth Kinetics of Small Solid Renal Masses on Active Surveillance. American Journal of Roentgenology, 2022, 218, 101-110.	2.2	12
71	Outcome and Immune Correlates of a Phase II Trial of High-Dose Interleukin-2 and Stereotactic Ablative Radiotherapy for Metastatic Renal Cell Carcinoma. Clinical Cancer Research, 2021, 27, 6716-6725.	7.0	12
72	Role of Multiparametric MR Imaging in Malignancies of the Urogenital Tract. Magnetic Resonance Imaging Clinics of North America, 2016, 24, 187-204.	1.1	11

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73	Interâ€method reproducibility of biexponential <scp>R</scp>₂ MR relaxometry for estimation of liver iron concentration. Magnetic Resonance in Medicine, 2018, 80, 2691-2701.	3.0	11
74	Multiparametric MRI Characterization of Funaki Types of Uterine Fibroids Considered for MR-Guided High-Intensity Focused Ultrasound (MR-HIFU) Therapy. Academic Radiology, 2019, 26, e9-e17.	2.5	10
75	Supine magnetic resonance defecography for evaluation of anterior compartment prolapse: Comparison with upright voiding cystourethrogram. European Journal of Radiology, 2019, 117, 95-101.	2.6	10
76	Prevalence and clinical significance of discordant LI-RADSÂ® observations on multiphase contrast-enhanced MRI in patients with cirrhosis. Abdominal Radiology, 2020, 45, 177-187.	2.1	10
77	Implementation of an Online Screening and Check-In Process to Optimize Patient Workflow Before Outpatient MRI Studies. Journal of the American College of Radiology, 2016, 13, 956-959.e5.	1.8	9
78	Renal Cell Carcinoma Pseudoprogression with Clinical Deterioration: To Hospice and Back. Clinical Genitourinary Cancer, 2018, 16, 485-488.	1.9	9
79	Wholeâ€body MRI for metastatic cancer detection using T₂â€weighted imaging with fat and fluid suppression. Magnetic Resonance in Medicine, 2018, 80, 1402-1415.	3.0	8
80	Statistical clustering of parametric maps from dynamic contrast enhanced MRI and an associated decision tree model for non-invasive tumour grading of T1b solid clear cell renal cell carcinoma. European Radiology, 2018, 28, 124-132.	4.5	8
81	Non-contrast quantitative pulmonary perfusion using flow alternating inversion recovery at 3 T: A preliminary study. Magnetic Resonance Imaging, 2018, 46, 106-113.	1.8	7
82	Case 258: Granulomatous Prostatitis. Radiology, 2018, 289, 267-271.	7.3	7
83	Reproducibility of Index Lesion Size and Mean Apparent Diffusion Coefficient Values Measured by Prostate Multiparametric MRI: Correlation With Whole-Mount Sectioning of Specimens. American Journal of Roentgenology, 2018, 211, 783-788.	2.2	7
84	Implementing Shared, Standardized Imaging Protocols to Improve Cross-Enterprise Workflow and Quality. Journal of Digital Imaging, 2019, 32, 880-887.	2.9	7
85	Liver Injury in Hemolysis, Elevated Liver Enzymes, and Low Platelets Syndrome Measured by Diffusion-Weighted Magnetic Resonance Imaging. American Journal of Perinatology, 2018, 35, 741-747.	1.4	6
86	An MRI-compatible platform for one-dimensional motion management studies in MRI. Magnetic Resonance in Medicine, 2016, 76, 702-712.	3.0	5
87	Optimization of breathing instructions and timing of late arterial phase acquisition on gadobutrol-enhanced MRI of the liver. Clinical Imaging, 2016, 40, 1274-1279.	1.5	5
88	Renal Cell Carcinoma With Pulmonary Metastasis and Metachronous Non-Small Cell Lung Cancer. Clinical Genitourinary Cancer, 2017, 15, e675-e680.	1.9	5
89	Expanding the Role of Ultrasound for the Characterization of Renal Masses. Journal of Clinical Medicine, 2022, 11, 1112.	2.4	5
90	Characterizing spatiotemporal information loss in sparseâ€samplingâ€based dynamic MRI for monitoring respirationâ€induced tumor motion in radiotherapy. Medical Physics, 2016, 43, 2807-2820.	3.0	3

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91	Endoluminal contrast for abdomen and pelvis magnetic resonance imaging. Abdominal Radiology, 2016, 41, 1378-1398.	2.1	3
92	Primary Renal Sarcoma With BCOR-CCNB3 Gene Fusion in an 18-Year-Old Male: A Rare Lesion With a Diagnostic Quandary. International Journal of Surgical Pathology, 2021, 29, 194-197.	0.8	3
93	Deep learning kidney segmentation with very limited training data using a cascaded convolution neural network. PLoS ONE, 2022, 17, e0267753.	2.5	3
94	Effect of steatosis on liver signal and enhancement on multiphasic contrast-enhanced magnetic resonance imaging. Abdominal Radiology, 2016, 41, 1744-1750.	2.1	2
95	Extended Disease Control with Unconventional Cabozantinib Dose Increase in Metastatic Renal Cell Carcinoma1. Kidney Cancer, 2022, 6, 69-79.	0.4	2
96	Singleâ€shot RARE with Dixon: Application to robust abdominal imaging with uniform fat and water separation at 3T. Magnetic Resonance in Medicine, 2021, 86, 1463-1471.	3.0	1
97	Facilitating Surveillance of Incidental Findings Using a Novel Reporting Template: Proof of Concept in Patients With Pancreatic Abnormalities. Journal of the American College of Radiology, 2021, 18, 1246-1257.	1.8	1
98	Improved imaging-pathology correlation with MR imaging-derived, 3D-printed, patient-specific whole-mount molds of the prostate.. Journal of Clinical Oncology, 2017, 35, 44-44.	1.6	1
99	Addressing metabolic heterogeneity in clear cell renal cell carcinoma with quantitative magnetic resonance imaging.. Journal of Clinical Oncology, 2017, 35, 460-460.	1.6	1
100	Case 258. Radiology, 2018, 287, 1070-1072.	7.3	0
101	Editorial for â€œLuminal Water Imaging: Comparison With Diffusionâ€Weighted Imaging (<scp>DWI)</scp> and <scp>PIâ€RADS</scp> for Characterization of Prostate Cancer Aggressivenessâ€. Journal of Magnetic Resonance Imaging, 2020, 52, 280-281.	3.4	0
102	Multi-Center, Multi-Vendor Reproducibility and Calibration of MRI-Based R2* for Liver Iron Quantification. Blood, 2021, 138, 2010-2010.	1.4	0