

# Zhen J Wang

## List of Publications by Year in descending order

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34  
papers

1,392  
citations

394421

19  
h-index

377865

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g-index

35  
all docs

35  
docs citations

35  
times ranked

1972  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bowel Peristalsis Artifact on Dual-Energy CT: In Vitro Study on the Influence of Different Dual-Energy CT Platforms and Enteric Contrast Agents. American Journal of Roentgenology, 2022, 218, 290-299.	2.2	5
2	<sc>Whole-Abdomen</sc> Metabolic Imaging of Healthy Volunteers Using Hyperpolarized [ <sup>13</sup> C]pyruvate <sc>MRI</sc>. Journal of Magnetic Resonance Imaging, 2022, 56, 1792-1806.	3.4	19
3	Lexicon for renal mass terms at CT and MRI: a consensus of the society of abdominal radiology disease-focused panel on renal cell carcinoma. Abdominal Radiology, 2021, 46, 703-722.	2.1	15
4	Hyperpolarized Carbon (13C) MRI of the Kidneys: Basic Concept. Methods in Molecular Biology, 2021, 2216, 267-278.	0.9	1
5	Modeling hyperpolarized lactate signal dynamics in cells, patient-derived tissue slice cultures and murine models. NMR in Biomedicine, 2021, 34, e4467.	2.8	5
6	Specialized computational methods for denoising, B1 correction, and kinetic modeling in hyperpolarized 13 C MR EPSI studies of liver tumors. Magnetic Resonance in Medicine, 2021, 86, 2402-2411.	3.0	6
7	Improved Sensitivity and Reader Confidence in CT Colonography Using Dual-Layer Spectral CT: A Phantom Study. Radiology, 2020, 297, 99-107.	7.3	10
8	Therapeutic response assessment in pancreatic ductal adenocarcinoma: society of abdominal radiology review paper on the role of morphological and functional imaging techniques. Abdominal Radiology, 2020, 45, 4273-4289.	2.1	15
9	ACR Appropriateness Criteria® Indeterminate Renal Mass. Journal of the American College of Radiology, 2020, 17, S415-S428.	1.8	19
10	Blockchain-Authenticated Sharing of Genomic and Clinical Outcomes Data of Patients With Cancer: A Prospective Cohort Study. Journal of Medical Internet Research, 2020, 22, e16810.	4.3	29
11	Protocol Optimization for Renal Mass Detection and Characterization. Radiologic Clinics of North America, 2020, 58, 851-873.	1.8	6
12	Bosniak Classification of Cystic Renal Masses, Version 2019: An Update Proposal and Needs Assessment. Radiology, 2019, 292, 475-488.	7.3	278
13	Multiparametric Functional Magnetic Resonance Imaging for Evaluating Renal Allograft Injury. Korean Journal of Radiology, 2019, 20, 894.	3.4	23
14	Hyperpolarized <sup>13</sup> C MRI: State of the Art and Future Directions. Radiology, 2019, 291, 273-284.	7.3	210
15	Multi-institutional analysis of CT and MRI reports evaluating indeterminate renal masses: comparison to a national survey investigating desired report elements. Abdominal Radiology, 2018, 43, 3493-3502.	2.1	18
16	CT and MRI of small renal masses. British Journal of Radiology, 2018, 91, 20180131.	2.2	39
17	Non-invasive detection of divergent metabolic signals in insulin deficiency vs. insulin resistance in vivo. Scientific Reports, 2018, 8, 2088.	3.3	18
18	The Role of 18F-FDG PET/CT and PET/MRI in Pancreatic Ductal Adenocarcinoma. Abdominal Radiology, 2018, 43, 415-434.	2.1	60

#	ARTICLE	IF	CITATIONS
19	Non-Invasive Assessment of Lactate Production and Compartmentalization in Renal Cell Carcinomas Using Hyperpolarized <sup>13</sup> C Pyruvate MRI. <i>Cancers</i> , 2018, 10, 313.	3.7	22
20	Imaging glutathione depletion in the rat brain using ascorbate-derived hyperpolarized MR and PET probes. <i>Scientific Reports</i> , 2018, 8, 7928.	3.3	20
21	Early Response Assessment in Pancreatic Ductal Adenocarcinoma Through Integrated PET/MRI. <i>American Journal of Roentgenology</i> , 2018, 211, 1010-1019.	2.2	30
22	Dual Energy Computed Tomography Scans of the Bowel. <i>Radiologic Clinics of North America</i> , 2018, 56, 805-819.	1.8	21
23	Hyperpolarized <sup>13</sup> C Spectroscopic Evaluation of Oxidative Stress in a Rodent Model of Steatohepatitis. <i>Scientific Reports</i> , 2017, 7, 46014.	3.3	15
24	Hyperpolarized <sup>13</sup> C magnetic resonance evaluation of renal ischemia reperfusion injury in a murine model. <i>NMR in Biomedicine</i> , 2017, 30, e3765.	2.8	27
25	3D T2-weighted and Gd-EOB-DTPA-enhanced 3D T1-weighted MR cholangiography for evaluation of biliary anatomy in living liver donors. <i>Abdominal Radiology</i> , 2017, 42, 842-850.	2.1	20
26	Adult living donor liver imaging. <i>Diagnostic and Interventional Radiology</i> , 2016, 22, 207-214.	1.5	11
27	Separation of extra- and intracellular metabolites using hyperpolarized <sup>13</sup> C diffusion weighted MR. <i>Journal of Magnetic Resonance</i> , 2016, 270, 115-123.	2.1	19
28	Non-Invasive Differentiation of Benign Renal Tumors from Clear Cell Renal Cell Carcinomas Using Clinically Translatable Hyperpolarized <sup>13</sup> C Pyruvate Magnetic Resonance. <i>Tomography</i> , 2016, 2, 35-42.	1.8	26
29	Real-time measurement of hyperpolarized lactate production and efflux as a biomarker of tumor aggressiveness in an MR compatible 3D cell culture bioreactor. <i>NMR in Biomedicine</i> , 2015, 28, 1141-1149.	2.8	43
30	Noninvasive In Vivo Imaging of Diabetes-Induced Renal Oxidative Stress and Response to Therapy Using Hyperpolarized <sup>13</sup> C Dehydroascorbate Magnetic Resonance. <i>Diabetes</i> , 2015, 64, 344-352.	0.6	59
31	Hyperpolarized <sup>13</sup> C-Pyruvate Magnetic Resonance Reveals Rapid Lactate Export in Metastatic Renal Cell Carcinomas. <i>Cancer Research</i> , 2013, 73, 529-538.	0.9	95
32	Hyperpolarized [ <sup>13</sup> C]Dehydroascorbate MR Spectroscopy in a Murine Model of Prostate Cancer: Comparison with <sup>18</sup> F-FDG PET. <i>Journal of Nuclear Medicine</i> , 2013, 54, 922-928.	5.0	50
33	Metabolic Reprogramming and Validation of Hyperpolarized <sup>13</sup> C Lactate as a Prostate Cancer Biomarker Using a Human Prostate Tissue Slice Culture Bioreactor. <i>Prostate</i> , 2013, 73, 1171-1181.	2.3	93
34	Renal Cyst Pseudoenhancement at Multidetector CT: What Are the Effects of Number of Detectors and Peak Tube Voltage?. <i>Radiology</i> , 2008, 248, 910-916.	7.3	65