

Zhen J Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3384632/publications.pdf>

Version: 2024-02-01

34
papers

1,392
citations

448610

19
h-index

425179

34
g-index

35
all docs

35
docs citations

35
times ranked

2119
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. <i>American Journal of Roentgenology</i> , 2022, 218, 290-299.	1.0	5
2	<sc>Whole-Abdomen</sc> Metabolic Imaging of Healthy Volunteers Using Hyperpolarized [¹³ C]pyruvate <sc>MRI</sc>. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 1792-1806.	1.9	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. <i>Abdominal Radiology</i> , 2021, 46, 703-722.	1.0	15
4	Hyperpolarized Carbon (13C) MRI of the Kidneys: Basic Concept. <i>Methods in Molecular Biology</i> , 2021, 2216, 267-278.	0.4	1
5	Modeling hyperpolarized lactate signal dynamics in cells, patient-derived tissue slice cultures and murine models. <i>NMR in Biomedicine</i> , 2021, 34, e4467.	1.6	5
6	Specialized computational methods for denoising, B1 correction, and kinetic modeling in hyperpolarized 13 C MR EPSI studies of liver tumors. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2402-2411.	1.9	6
7	Improved Sensitivity and Reader Confidence in CT Colonography Using Dual-Layer Spectral CT: A Phantom Study. <i>Radiology</i> , 2020, 297, 99-107.	3.6	10
8	Therapeutic response assessment in pancreatic ductal adenocarcinoma: society of abdominal radiology review paper on the role of morphological and functional imaging techniques. <i>Abdominal Radiology</i> , 2020, 45, 4273-4289.	1.0	15
9	ACR Appropriateness Criteria® Indeterminate Renal Mass. <i>Journal of the American College of Radiology</i> , 2020, 17, S415-S428.	0.9	19
10	Blockchain-Authenticated Sharing of Genomic and Clinical Outcomes Data of Patients With Cancer: A Prospective Cohort Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e16810.	2.1	29
11	Protocol Optimization for Renal Mass Detection and Characterization. <i>Radiologic Clinics of North America</i> , 2020, 58, 851-873.	0.9	6
12	Bosniak Classification of Cystic Renal Masses, Version 2019: An Update Proposal and Needs Assessment. <i>Radiology</i> , 2019, 292, 475-488.	3.6	278
13	Multiparametric Functional Magnetic Resonance Imaging for Evaluating Renal Allograft Injury. <i>Korean Journal of Radiology</i> , 2019, 20, 894.	1.5	23
14	Hyperpolarized ¹³ C MRI: State of the Art and Future Directions. <i>Radiology</i> , 2019, 291, 273-284.	3.6	210
15	Multi-institutional analysis of CT and MRI reports evaluating indeterminate renal masses: comparison to a national survey investigating desired report elements. <i>Abdominal Radiology</i> , 2018, 43, 3493-3502.	1.0	18
16	CT and MRI of small renal masses. <i>British Journal of Radiology</i> , 2018, 91, 20180131.	1.0	39
17	Non-invasive detection of divergent metabolic signals in insulin deficiency vs. insulin resistance in vivo. <i>Scientific Reports</i> , 2018, 8, 2088.	1.6	18
18	The Role of 18F-FDG PET/CT and PET/MRI in Pancreatic Ductal Adenocarcinoma. <i>Abdominal Radiology</i> , 2018, 43, 415-434.	1.0	60

#	ARTICLE	IF	CITATIONS
19	Non-Invasive Assessment of Lactate Production and Compartmentalization in Renal Cell Carcinomas Using Hyperpolarized ¹³ C Pyruvate MRI. <i>Cancers</i> , 2018, 10, 313.	1.7	22
20	Imaging glutathione depletion in the rat brain using ascorbate-derived hyperpolarized MR and PET probes. <i>Scientific Reports</i> , 2018, 8, 7928.	1.6	20
21	Early Response Assessment in Pancreatic Ductal Adenocarcinoma Through Integrated PET/MRI. <i>American Journal of Roentgenology</i> , 2018, 211, 1010-1019.	1.0	30
22	Dual Energy Computed Tomography Scans of the Bowel. <i>Radiologic Clinics of North America</i> , 2018, 56, 805-819.	0.9	21
23	Hyperpolarized ¹³ C Spectroscopic Evaluation of Oxidative Stress in a Rodent Model of Steatohepatitis. <i>Scientific Reports</i> , 2017, 7, 46014.	1.6	15
24	Hyperpolarized ¹³ C magnetic resonance evaluation of renal ischemia reperfusion injury in a murine model. <i>NMR in Biomedicine</i> , 2017, 30, e3765.	1.6	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.	1.0	20
26	Adult living donor liver imaging. <i>Diagnostic and Interventional Radiology</i> , 2016, 22, 207-214.	0.7	11
27	Separation of extra- and intracellular metabolites using hyperpolarized ¹³ C diffusion weighted MR. <i>Journal of Magnetic Resonance</i> , 2016, 270, 115-123.	1.2	19
28	Non-Invasive Differentiation of Benign Renal Tumors from Clear Cell Renal Cell Carcinomas Using Clinically Translatable Hyperpolarized ¹³ C Pyruvate Magnetic Resonance. <i>Tomography</i> , 2016, 2, 35-42.	0.8	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.	1.6	43
30	Noninvasive In Vivo Imaging of Diabetes-Induced Renal Oxidative Stress and Response to Therapy Using Hyperpolarized ¹³ C Dehydroascorbate Magnetic Resonance. <i>Diabetes</i> , 2015, 64, 344-352.	0.3	59
31	Hyperpolarized ¹³ C-Pyruvate Magnetic Resonance Reveals Rapid Lactate Export in Metastatic Renal Cell Carcinomas. <i>Cancer Research</i> , 2013, 73, 529-538.	0.4	95
32	Hyperpolarized [¹³ C]Dehydroascorbate MR Spectroscopy in a Murine Model of Prostate Cancer: Comparison with ¹⁸ F-FDG PET. <i>Journal of Nuclear Medicine</i> , 2013, 54, 922-928.	2.8	50
33	Metabolic Reprogramming and Validation of Hyperpolarized ¹³ C Lactate as a Prostate Cancer Biomarker Using a Human Prostate Tissue Slice Culture Bioreactor. <i>Prostate</i> , 2013, 73, 1171-1181.	1.2	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.	3.6	65