

Pottumarthi V Prasad

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,512
citations

471509

17
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1589
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Noninvasive Evaluation of Intrarenal Oxygenation With BOLD MRI. <i>Circulation</i> , 1996, 94, 3271-3275. | 1.6 | 370 |
| 2 | Novel and efficient MR active aqueous colloidal Fe ₃ O ₄ nanoassemblies. <i>Journal of Materials Chemistry</i> , 2009, 19, 7023. | 6.7 | 144 |
| 3 | The role of renal hypoxia in the pathogenesis ofÂdiabetic kidney disease: a promising target forÂnewer renoprotective agents including SGLT2Âinhibitors?. <i>Kidney International</i> , 2020, 98, 579-589. | 5.2 | 111 |
| 4 | Functional MRI of the kidney: tools for translational studies of pathophysiology of renal disease. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F958-F974. | 2.7 | 103 |
| 5 | Consensus-based technical recommendations for clinical translation of renal ASL MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 141-161. | 2.0 | 80 |
| 6 | Evaluation of Intra-Renal Oxygenation by BOLD MRI. <i>Nephron Clinical Practice</i> , 2006, 103, c58-c65. | 2.3 | 77 |
| 7 | Consensus-based technical recommendations for clinical translation of renal BOLD MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 199-215. | 2.0 | 68 |
| 8 | Consensus-based technical recommendations for clinical translation of renal diffusion-weighted MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 177-195. | 2.0 | 61 |
| 9 | Evaluation of Renal Hypoxia in Diabetic Mice by BOLD MRI. <i>Investigative Radiology</i> , 2010, 45, 819-822. | 6.2 | 59 |
| 10 | Multi-Parametric Evaluation of Chronic Kidney Disease by MRI: A Preliminary Cross-Sectional Study. <i>PLoS ONE</i> , 2015, 10, e0139661. | 2.5 | 56 |
| 11 | Consensus-based technical recommendations for clinical translation of renal T1 and T2 mapping MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 163-176. | 2.0 | 52 |
| 12 | Technical recommendations for clinical translation of renal MRI: a consensus project of the Cooperation in Science and Technology Action PARENCHIMA. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 131-140. | 2.0 | 44 |
| 13 | A standard system phantom for magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1194-1211. | 3.0 | 44 |
| 14 | Cortical Perfusion and Tubular Function as Evaluated by Magnetic Resonance Imaging Correlates with Annual Loss in Renal Function in Moderate Chronic Kidney Disease. <i>American Journal of Nephrology</i> , 2019, 49, 114-124. | 3.1 | 42 |
| 15 | Relative Hypoxia and Early Diabetic Kidney Disease in Type 1 Diabetes. <i>Diabetes</i> , 2020, 69, 2700-2708. | 0.6 | 34 |
| 16 | Kidney Functional Magnetic Resonance Imaging and Change in eGFR in Individuals with CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2020, 15, 776-783. | 4.5 | 27 |
| 17 | Renal Blood Oxygenation Level-Dependent Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2015, 50, 821-827. | 6.2 | 25 |
| 18 | Update on renal blood oxygenation levelâ€“dependent MRI to assess intrarenal oxygenation in chronic kidneyÂdisease. <i>Kidney International</i> , 2018, 93, 778-780. | 5.2 | 18 |

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|----|---|-----|-----------|
| 19 | Cine MRI during spontaneous cramps in women with menstrual pain. American Journal of Obstetrics and Gynecology, 2018, 218, 506.e1-506.e8. | 1.3 | 17 |
| 20 | The Effects of Platelet-Activating Factor on Uterine Contractility, Perfusion, Hypoxia, and Pain in Mice. Reproductive Sciences, 2018, 25, 384-394. | 2.5 | 17 |
| 21 | Medullary Blood Oxygen Level-Dependent MRI Index (R2*) is Associated with Annual Loss of Kidney Function in Moderate CKD. American Journal of Nephrology, 2020, 51, 966-974. | 3.1 | 16 |
| 22 | Multicenter Study Evaluating Intrarenal Oxygenation and Fibrosis Using Magnetic Resonance Imaging in Individuals With Advanced CKD. Kidney International Reports, 2018, 3, 1467-1472. | 0.8 | 13 |
| 23 | MRI Mapping of the Blood Oxygenation Sensitive Parameter T2* in the Kidney: Basic Concept. Methods in Molecular Biology, 2021, 2216, 171-185. | 0.9 | 7 |
| 24 | BOLD quantified renal pO2 is sensitive to pharmacological challenges in rats. Magnetic Resonance in Medicine, 2017, 78, 297-302. | 3.0 | 5 |
| 25 | Abnormalities in Cardiac Structure and Function among Individuals with CKD: The COMBINE Trial. Kidney360, 2022, 3, 258-268. | 2.1 | 5 |
| 26 | Radiomics-Based Image Phenotyping of Kidney Apparent Diffusion Coefficient Maps: Preliminary Feasibility & Efficacy. Journal of Clinical Medicine, 2022, 11, 1972. | 2.4 | 4 |
| 27 | Visualizing mitochondrial (dys)function using positron emission tomography imaging. Kidney International, 2020, 98, 51-53. | 5.2 | 3 |
| 28 | Plasma levels of carboxylic acids are markers of early kidney dysfunction in young people with type 1 diabetes. Pediatric Nephrology, 2023, 38, 193-202. | 1.7 | 3 |
| 29 | Experimental Protocol for MRI Mapping of the Blood Oxygenation-Sensitive Parameters T2* and T2 in the Kidney. Methods in Molecular Biology, 2021, 2216, 403-417. | 0.9 | 2 |
| 30 | Functional Magnetic Resonance Imaging of the Kidney. , 2006, 124, 197-224. | | 1 |