

Howard Halpern

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

276
citations

1307594

7
h-index

1474206

9
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9
all docs

9
docs citations

9
times ranked

351
citing authors

#	ARTICLE	IF	CITATIONS
1	Absolute oxygen R_{1e} imaging in vivo with pulse electron paramagnetic resonance. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 362-368.	3.0	79
2	Single-dose radiotherapy disables tumor cell homologous recombination via ischemia/reperfusion injury. <i>Journal of Clinical Investigation</i> , 2019, 129, 786-801.	8.2	50
3	Electron paramagnetic resonance oxygen imaging of a rabbit tumor using localized spin probe delivery. <i>Medical Physics</i> , 2010, 37, 2553-2559.	3.0	43
4	In Vivo pO ₂ Imaging of Tumors. <i>Methods in Enzymology</i> , 2015, 564, 501-527.	1.0	39
5	Principal component analysis enhances $\langle \text{SNR} \rangle$ for dynamic electron paramagnetic resonance oxygen imaging of cycling hypoxia in vivo. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 440-450.	3.0	26
6	Biological validation of electron paramagnetic resonance (EPR) image oxygen thresholds in tissue. <i>Journal of Physiology</i> , 2021, 599, 1759-1767.	2.9	17
7	Spin Lattice Relaxation EPR pO ₂ Images May Direct the Location of Radiation Tumor Boosts to Enhance Tumor Cure. <i>Cell Biochemistry and Biophysics</i> , 2017, 75, 295-298.	1.8	15
8	Improving Tumor Hypoxia Location in ¹⁸ F-Misonidazole PET with Dynamic Contrast-enhanced MRI Using Quantitative Electron Paramagnetic Resonance Partial Oxygen Pressure Images. <i>Radiology Imaging Cancer</i> , 2021, 3, e200104.	1.6	5
9	Going Low in a World Going High: The Physiologic Use of Lower Frequency Electron Paramagnetic Resonance. <i>Applied Magnetic Resonance</i> , 2020, 51, 887-907.	1.2	2