

Victor D Schepkin

List of Publications by Year in descending order

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32
papers

895
citations

471477

17
h-index

454934

30
g-index

32
all docs

32
docs citations

32
times ranked

1054
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of ¹⁹ F spectroscopy and diffusion-weighted MRI to evaluate differences in gene-dependent enzyme prodrug therapies. <i>Molecular Therapy</i> , 2004, 10, 916-928.	8.2	78
2	Iron coordination by catechol derivative antioxidants. <i>Biochemical Pharmacology</i> , 1996, 51, 1569-1577.	4.4	66
3	Toward 20ÅT magnetic resonance for human brain studies: opportunities for discovery and neuroscience rationale. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 617-639.	2.0	66
4	Measurement of ¹²⁹ Xe T1 in Blood to Explore the Feasibility of Hyperpolarized ¹²⁹ Xe MRI. <i>Journal of Computer Assisted Tomography</i> , 1995, 19, 975-978.	0.9	64
5	Sodium magnetic resonance imaging of chemotherapeutic response in a rat glioma. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 85-92.	3.0	64
6	In vivo NMR and MRI using injection delivery of laser-polarized xenon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 14725-14729.	7.1	62
7	Sodium and proton diffusion MRI as biomarkers for early therapeutic response in subcutaneous tumors. <i>Magnetic Resonance Imaging</i> , 2006, 24, 273-278.	1.8	56
8	Initial in vivo rodent sodium and proton MR imaging at 21.1 T. <i>Magnetic Resonance Imaging</i> , 2010, 28, 400-407.	1.8	54
9	Sodium TQF NMR and intracellular sodium in isolated crystalloid perfused rat heart. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 557-563.	3.0	38
10	³⁹ K and ²³ Na relaxation times and MRI of rat head at 21.1 T. <i>NMR in Biomedicine</i> , 2016, 29, 759-766.	2.8	37
11	In vivo magnetic resonance imaging of sodium and diffusion in rat glioma at 21.1 T. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1159-1166.	3.0	35
12	Proton and sodium MRI assessment of emerging tumor chemotherapeutic resistance. <i>NMR in Biomedicine</i> , 2006, 19, 1035-1042.	2.8	34
13	Sodium MRI in a rat migraine model and a NEURON simulation study support a role for sodium in migraine. <i>Cephalalgia</i> , 2011, 31, 1254-1265.	3.9	34
14	Sodium MRI of glioma in animal models at ultrahigh magnetic fields. <i>NMR in Biomedicine</i> , 2016, 29, 175-186.	2.8	31
15	Effects of Specific Sodium/Hydrogen Exchange Inhibitor During Cardioplegic Arrest. <i>Annals of Thoracic Surgery</i> , 1997, 64, 94-99.	1.3	25
16	In vivo chlorine and sodium MRI of rat brain at 21.1 T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 63-70.	2.0	25
17	Sodium alterations in isolated rat heart during cardioplegic arrest. <i>Journal of Applied Physiology</i> , 1996, 81, 2696-2702.	2.5	20
18	Comparison of potassium and sodium binding in vivo and in agarose samples using TQTPPI pulse sequence. <i>Journal of Magnetic Resonance</i> , 2017, 277, 162-168.	2.1	18

#	ARTICLE	IF	CITATIONS
19	Polyelectrolyte-Stabilized Nanotemplates Based on Gd(III) Complexes with Macrocyclic Tetra-1,3-diketones as a Positive MR Contrast Agents. <i>ChemistrySelect</i> , 2016, 1, 1377-1383.	1.5	15
20	Multi-dose Crystalloid Cardioplegia Preserves Intracellular Sodium Homeostasis in Myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 1999, 31, 1643-1651.	1.9	13
21	Four-Dimensional ^1H and ^{23}Na Imaging Using Continuously Oscillating Gradients. <i>Journal of Magnetic Resonance</i> , 1997, 124, 420-438.	2.1	11
22	Tracking protein function with sodium multi quantum $\hat{\text{A}}$ spectroscopy in a 3D-tissue culture based on microcavity arrays. <i>Scientific Reports</i> , 2017, 7, 3943.	3.3	10
23	Statistical tensor analysis of the MQ MR signals generated by weak quadrupole interactions. <i>Zeitschrift Fur Medizinische Physik</i> , 2019, 29, 326-336.	1.5	7
24	2D NMR of the Metabolic Antioxidant Dihydrolipoic Acid and its Derivatives. <i>Free Radical Research</i> , 1996, 25, 195-205.	3.3	6
25	A Conjugate of a Tumor-Targeting Ligand and a T Cell Costimulatory Antibody To Treat Brain Tumors. <i>Bioconjugate Chemistry</i> , 2004, 15, 1137-1145.	3.6	6
26	A Decade of Experience With the UltraWide-Bore 900-MHz NMR Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2015, 25, 1-5.	1.7	5
27	Variability and uncertainty in the rodent controlled cortical impact model of traumatic brain injury. <i>Journal of Neuroscience Methods</i> , 2019, 312, 37-42.	2.5	5
28	Protein conformational changes affect the sodium triple $\hat{\text{e}}$ quantum MR signal. <i>NMR in Biomedicine</i> , 2020, 33, e4367.	2.8	5
29	MRI of adsorbed water in solid foams at 21.1 T. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 69-72.	4.8	2
30	Intracellular Sodium Changes in Cancer Cells Using a Microcavity Array-Based Bioreactor System and Sodium Triple-Quantum MR Signal. <i>Processes</i> , 2020, 8, 1267.	2.8	2
31	Use of MRI, metabolomic, and genomic biomarkers to identify mechanisms of chemoresistance in glioma. , 2019, 2, 862-876.		1
32	Sodium 3D COncentration MApping (COMA 3D) using ^{23}Na and proton MRI. <i>Journal of Magnetic Resonance</i> , 2014, 247, 88-95.	2.1	0