

Andriy M Babsky

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Noninvasive MR thermometry using paramagnetic lanthanide complexes of 1,4,7,10-tetraazacyclododecane-1,4,7,10-tetramethyl-1,4,7,10-tetraacetic acid (DOTMA4-). <i>Magnetic Resonance in Medicine</i> , 2005, 53, 294-303.	1.9	52
2	Effect of Coenzyme Q10 Supplementation on Mitochondrial Function after Myocardial Ischemia Reperfusion. <i>Journal of Surgical Research</i> , 2002, 102, 221-228.	0.8	47
3	Opening of Potassium Channels Protects Mitochondrial Function from Calcium Overload. <i>Journal of Surgical Research</i> , 2000, 94, 116-123.	0.8	44
4	Non-invasive magnetic resonance thermometry using thulium-1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetate (TmDOTA-). <i>International Journal of Hyperthermia</i> , 2002, 18, 165-179.	1.1	39
5	Evaluation of extra- and intracellular apparent diffusion coefficient of sodium in rat skeletal muscle: Effects of prolonged ischemia. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 485-491.	1.9	39
6	Na ⁺ Effects on Mitochondrial Respiration and Oxidative Phosphorylation in Diabetic Hearts. <i>Experimental Biology and Medicine</i> , 2001, 226, 543-551.	1.1	35
7	Non-invasive temperature imaging with thulium 1,4,7,10-tetraazacyclododecane-1,4,7,10-tetramethyl-1,4,7,10-tetraacetic acid (TmDOTMA ⁺). <i>NMR in Biomedicine</i> , 2006, 19, 116-124.	1.6	35
8	Mitochondrial function during ischemic preconditioning. <i>Surgery</i> , 2002, 131, 172-178.	1.0	34
9	Application of ²³ Na MRI to Monitor Chemotherapeutic Response in RIF-1 Tumors. <i>Neoplasia</i> , 2005, 7, 658-666.	2.3	30
10	Early monitoring of acute tubular necrosis in the rat kidney by ²³ Na-MRI. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, F1288-F1298.	1.3	28
11	Monitoring chemotherapeutic response in RIF-1 tumors by single-quantum and triple-quantum-filtered ²³ Na MRI, 1H diffusion-weighted MRI and PET imaging. <i>Magnetic Resonance Imaging</i> , 2007, 25, 1015-1023.	1.0	27
12	Ischemic Preconditioning Improves Mitochondrial Tolerance to Experimental Calcium Overload. <i>Journal of Surgical Research</i> , 2002, 103, 243-251.	0.8	24
13	Absolute temperature MR imaging with thulium 1,4,7,10-tetraazacyclododecane-1,4,7,10-tetramethyl-1,4,7,10-tetraacetic acid (TmDOTMA ⁺). <i>Magnetic Resonance in Medicine</i> , 2009, 62, 550-556.		23
14	Proapoptotic effects of novel thiazole derivative on human glioma cells. <i>Anti-Cancer Drugs</i> , 2019, 30, 27-37.	0.7	23
15	Controlled radio-frequency hyperthermia using an MR scanner and simultaneous monitoring of temperature and therapy response by ¹ H, ²³ Na and ³¹ P magnetic resonance spectroscopy in subcutaneously implanted 9L gliosarcoma. <i>International Journal of Hyperthermia</i> , 2010, 26, 79-90.	1.1	20
16	Predicting and monitoring response to chemotherapy by 1,3-bis(2-chloroethyl)-1-nitrosourea in subcutaneously implanted 9L glioma using the apparent diffusion coefficient of water and ²³ Na MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 132-139.	1.9	17
17	Succinic acid oxidation as the only energy support of intensive Ca ²⁺ uptake by mitochondria. <i>Biochemical and Biophysical Research Communications</i> , 1982, 109, 376-381.	1.0	16
18	Influence of Ischemic Preconditioning on Intracellular Sodium, pH, and Cellular Energy Status in Isolated Perfused Heart. <i>Experimental Biology and Medicine</i> , 2002, 227, 520-528.	1.1	16

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19	Encapsulation and perfusion of mitochondria in agarose beads for functional studies with ³¹ P-NMR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 679-684.	1.9	14
20	The Role of Sodium in Diabetic Cardiomyopathy. <i>Frontiers in Physiology</i> , 2018, 9, 1473.	1.3	12
21	Fat and Water ¹ H MRI to Investigate Effects of Leptin in Obese Mice. <i>Obesity</i> , 2009, 17, 2089-2093.	1.5	8
22	Effect of implantation site and growth of hepatocellular carcinoma on apparent diffusion coefficient of water and sodium MRI. <i>NMR in Biomedicine</i> , 2012, 25, 312-321.	1.6	8
23	Predicting response to benzamide riboside chemotherapy in hepatocellular carcinoma using apparent diffusion coefficient of water. <i>Anticancer Research</i> , 2011, 31, 2045-51.	0.5	6
24	Effects of temperature on intracellular sodium, pH and cellular energy status in RIF-1 tumor cells. <i>NMR in Biomedicine</i> , 2004, 17, 33-42.	1.6	5
25	Tumor Response and Apoptosis of N1-S1 Rodent Hepatomas in Response to Intra-arterial and Intravenous Benzamide Riboside. <i>CardioVascular and Interventional Radiology</i> , 2012, 35, 645-652.	0.9	4
26	AMP promotes oxygen consumption and ATP synthesis in heart mitochondria through the adenylate kinase reaction: an NMR spectroscopy and polarography study. <i>Cell Biochemistry and Function</i> , 2015, 33, 67-72.	1.4	4
27	Evaluation of tumor treatment response with diffusion-weighted MRI. , 0, , 172-197.		0
28	Metabolic Abnormalities and Differential Responses to Stress Associated with Hamster Cardiomyopathy. <i>Experimental Biology and Medicine</i> , 1998, 219, 48-56.	1.1	0
29	Variability of Apoptosis and Response in N1-S1 Rodent Hepatomas to Benzamide Riboside and Correlation to Early Changes in Water Apparent Diffusion Coefficient and Sodium MR Imaging. <i>Journal of Vascular and Interventional Radiology</i> , 2013, 24, 894-900.	0.2	0