Niki Zacharias Millward

List of Publications by Year
in descending order

34	1,208	586496 16	488211 31
papers	citations	h-index	g-index

36	36	36	1942
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stem Cell Theory of Cancer: Rude Awakening or Bad Dream from Cancer Dormancy?. Cancers, 2022, 14, 655.	1.7	8
2	Predictors of Survival in Patients Undergoing Surgery for Renal Cell Carcinoma and Inferior Vena Cava Tumor Thrombus. Clinical Genitourinary Cancer, 2022, , .	0.9	3
3	Post-Acquisition Hyperpolarized 29Silicon Magnetic Resonance Image Processing for Visualization of Colorectal Lesions Using a User-Friendly Graphical Interface. Diagnostics, 2022, 12, 610.	1.3	0
4	Stem Cell Theory of Cancer: Implications for Drug Resistance and Chemosensitivity in Cancer Care. Cancers, 2022, 14, 1548.	1.7	8
5	Directed Evolution of PD-L1-Targeted Affibodies by mRNA Display. ACS Chemical Biology, 2022, 17, 1543-1555.	1.6	3
6	Prolyl Hydroxylase 3 Knockdown Accelerates VHL-Mutant Kidney Cancer Growth In Vivo. International Journal of Molecular Sciences, 2021, 22, 2849.	1.8	5
7	Hyperpolarized <scp>MRI</scp> with silicon micro and nanoparticles: Principles and applications. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1722.	3.3	8
8	Hyperpolarized Magnetic Resonance and Artificial Intelligence: Frontiers of Imaging in Pancreatic Cancer. JMIR Medical Informatics, 2021, 9, e26601.	1.3	5
9	Excess exogenous pyruvate inhibits lactate dehydrogenase activity in live cells in an MCT1-dependent manner. Journal of Biological Chemistry, 2021, 297, 100775.	1.6	18
10	Measuring the Metabolic Evolution of Glioblastoma throughout Tumor Development, Regression, and Recurrence with Hyperpolarized Magnetic Resonance. Cells, 2021, 10, 2621.	1.8	4
11	Mammalian Expression and In Situ Biotinylation of Extracellular Protein Targets for Directed Evolution. ACS Omega, 2020, 5, 25440-25455.	1.6	2
12	Hyperpolarized [1- ¹³ C]pyruvate-to-[1- ¹³ C]lactate conversion is rate-limited by monocarboxylate transporter-1 in the plasma membrane. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22378-22389.	3.3	50
13	Early Detection of Pancreatic Intraepithelial Neoplasias (PanINs) in Transgenic Mouse Model by Hyperpolarized 13C Metabolic Magnetic Resonance Spectroscopy. International Journal of Molecular Sciences, 2020, 21, 3722.	1.8	13
14	Assessing Metabolic Intervention with a Glutaminase Inhibitor in Real-Time by Hyperpolarized Magnetic Resonance in Acute Myeloid Leukemia. Molecular Cancer Therapeutics, 2019, 18, 1937-1946.	1.9	19
15	Realâ€Time Interrogation of Aspirin Reactivity, Biochemistry, and Biodistribution by Hyperpolarized Magnetic Resonance Spectroscopy. Angewandte Chemie, 2019, 131, 4223-4227.	1.6	0
16	Realâ€Time Interrogation of Aspirin Reactivity, Biochemistry, and Biodistribution by Hyperpolarized Magnetic Resonance Spectroscopy. Angewandte Chemie - International Edition, 2019, 58, 4179-4183.	7.2	8
17	Combining Hyperpolarized Real-Time Metabolic Imaging and NMR Spectroscopy To Identify Metabolic Biomarkers in Pancreatic Cancer. Journal of Proteome Research, 2019, 18, 2826-2834.	1.8	27
18	Assessing Therapeutic Efficacy in Real-time by Hyperpolarized Magnetic Resonance Metabolic Imaging. Cells, 2019, 8, 340.	1.8	20

#	Article	IF	Citations
19	6-Phosphofructo-2-Kinase/Fructose-2,6-Biphosphatase-2 Regulates TP53-Dependent Paclitaxel Sensitivity in Ovarian and Breast Cancers. Clinical Cancer Research, 2019, 25, 5702-5716.	3.2	22
20	Parahydrogenâ€Based Hyperpolarization for Biomedicine. Angewandte Chemie - International Edition, 2018, 57, 11140-11162.	7.2	251
21	Parawasserstoffâ€basierte Hyperpolarisierung fÃ¼r die Biomedizin. Angewandte Chemie, 2018, 130, 11310-11333.	1.6	54
22	Notice of Removal: Photoacoustic-based SO₂ assessment of femoral bone marrow in a murine model of leukemia. , 2017, , .		0
23	Towards Real-time Metabolic Profiling of Cancer with Hyperpolarized Succinate. Journal of Molecular Imaging & Dynamics, 2016, 6, .	0.2	17
24	Interrogating Metabolism in Brain Cancer. Magnetic Resonance Imaging Clinics of North America, 2016, 24, 687-703.	0.6	17
25	Developing hyperpolarized silicon particles forin vivoMRI targeting of ovarian cancer. Journal of Medical Imaging, 2016, 3, 036001.	0.8	24
26	Induction of autophagy by ARHI (DIRAS3) alters fundamental metabolic pathways in ovarian cancer models. BMC Cancer, 2016, 16, 824.	1.1	20
27	Role of Increased n-acetylaspartate Levels in Cancer. Journal of the National Cancer Institute, 2016, 108, djv426.	3.0	51
28	Hypoxia-Activated Prodrug TH-302 Targets Hypoxic Bone Marrow Niches in Preclinical Leukemia Models. Clinical Cancer Research, 2016, 22, 1687-1698.	3.2	66
29	Real-Time MRI-Guided Catheter Tracking Using Hyperpolarized Silicon Particles. Scientific Reports, 2015, 5, 12842.	1.6	27
30	Real-Time Molecular Imaging of Tricarboxylic Acid Cycle Metabolism in Vivo by Hyperpolarized 1-¹³C Diethyl Succinate. Journal of the American Chemical Society, 2012, 134, 934-943.	6.6	135
31	A Selenide-Based Approach to Photochemical Cleavage of Peptide and Protein Backbones at Engineered Backbone Esters. Journal of Organic Chemistry, 2009, 74, 9241-9244.	1.7	10
32	[10] Caging proteins through unnatural amino acids mutagenesis. Methods in Enzymology, 2003, 360, 258-273.	0.4	20
33	Cationâ^Ï€ Interactions in Ligand Recognition by Serotonergic (5-HT3A) and Nicotinic Acetylcholine Receptors:Â The Anomalous Binding Properties of Nicotineâ€. Biochemistry, 2002, 41, 10262-10269.	1.2	282
34	Improved Synthesis of the Boc and Fmoc Derivatives of 4-(2â€˜-Aminoethyl)-6-dibenzofuranpropionic Acid:â€‰ An Unnatural Amino Acid That Nucleates Î²-Sheet Folding. Journal of Organic Chemistry, 1997, 62, 2259-2262.	1.7	8