

Juri G Gelovani

List of Publications by Year in descending order

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43
papers

1,011
citations

361388

20
h-index

434170

31
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43
all docs

43
docs citations

43
times ranked

1614
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligand-targeted theranostic nanomedicines against cancer. <i>Journal of Controlled Release</i> , 2016, 240, 267-286.	9.9	154
2	FOXF1 mediates mesenchymal stem cell fusion-induced reprogramming of lung cancer cells. <i>Oncotarget</i> , 2014, 5, 9514-9529.	1.8	69
3	Neonatal brain resting-state functional connectivity imaging modalities. <i>Photoacoustics</i> , 2018, 10, 1-19.	7.8	56
4	Integrated nanotechnology platform for tumor-targeted multimodal imaging and therapeutic cargo release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1877-1882.	7.1	55
5	Hyperpolarizing Concentrated Metronidazole ¹⁵ NO ₂ Group over Six Chemical Bonds with More than 15% Polarization and a 20- Minute Lifetime. <i>Chemistry - A European Journal</i> , 2019, 25, 8829-8836.	3.3	48
6	Imaging epigenetic regulation by histone deacetylases in the brain using PET/MRI with 18F-FAHA. <i>NeuroImage</i> , 2013, 64, 630-639.	4.2	42
7	AAVP displaying octreotide for ligand-directed therapeutic transgene delivery in neuroendocrine tumors of the pancreas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2466-2471.	7.1	41
8	Targeted molecular-genetic imaging and ligand-directed therapy in aggressive variant prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12786-12791.	7.1	39
9	Intracellular targeting of annexin A2 inhibits tumor cell adhesion, migration, and in vivo grafting. <i>Scientific Reports</i> , 2017, 7, 4243.	3.3	38
10	Detection of histone deacetylase inhibition by noninvasive magnetic resonance spectroscopy. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 1325-1334.	4.1	36
11	Development of a Bioluminescent Nitroreductase Probe for Preclinical Imaging. <i>PLoS ONE</i> , 2015, 10, e0131037.	2.5	36
12	Next-generation of targeted AAVP vectors for systemic transgene delivery against cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18571-18577.	7.1	33
13	¹⁵ N NMR Hyperpolarization of Radiosensitizing Antibiotic Nimorazole by Reversible Parahydrogen Exchange in Microtesla Magnetic Fields. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2406-2413.	13.8	33
14	Quantifying the effects of quadrupolar sinks <i>via</i> ¹⁵ N relaxation dynamics in metronidazoles hyperpolarized <i>via</i> SABRE-SHEATH. <i>Chemical Communications</i> , 2020, 56, 9098-9101.	4.1	32
15	Towards a transcriptome-based theranostic platform for unfavorable breast cancer phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12780-12785.	7.1	31
16	A numerical analysis of a semi-dry coupling configuration in photoacoustic computed tomography for infant brain imaging. <i>Photoacoustics</i> , 2017, 7, 27-35.	7.8	30
17	Targeted AAVP-based therapy in a mouse model of human glioblastoma: a comparison of cytotoxic versus suicide gene delivery strategies. <i>Cancer Gene Therapy</i> , 2020, 27, 301-310.	4.6	26
18	Novel Histone Deacetylase Class IIa Selective Substrate Radiotracers for PET Imaging of Epigenetic Regulation in the Brain. <i>PLoS ONE</i> , 2015, 10, e0133512.	2.5	23

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19	Molecular imaging HDACs class IIa expression-activity and pharmacologic inhibition in intracerebral glioma models in rats using PET/CT/(MRI) with [18F]TFAHA. <i>Scientific Reports</i> , 2019, 9, 3595.	3.3	23
20	Radiosynthesis of 6-([18F]fluoroacetamido)-1-hexanoicanilide ([18F]FAHA) for PET imaging of histone deacetylase (HDAC). <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2006, 49, 997-1006.	1.0	20
21	Relaxation Dynamics of Nuclear Long-Lived Spin States in Propane and Propane-d6 Hyperpolarized by Parahydrogen. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11734-11744.	3.1	18
22	Targeting a cell surface vitamin D receptor on tumor-associated macrophages in triple-negative breast cancer. <i>ELife</i> , 2021, 10, .	6.0	18
23	Enhancement of tumor initiation and expression of KCNMA1, MORF4L2 and ASPM genes in the adenocarcinoma of lung xenograft after vorinostat treatment. <i>Oncotarget</i> , 2015, 6, 8663-8675.	1.8	14
24	Parahydrogen-Induced Polarization of Diethyl Ether Anesthetic. <i>Chemistry - A European Journal</i> , 2020, 26, 13621-13626.	3.3	11
25	Contrast-enhanced optical coherence tomography for melanoma detection: An in vitro study. <i>Journal of Biophotonics</i> , 2020, 13, e201960097.	2.3	11
26	Synthetic Approaches for ¹⁵ N-Labeled Hyperpolarized Heterocyclic Molecular Imaging Agents for ¹⁵ N NMR Signal Amplification by Reversible Exchange in Microtesla Magnetic Fields. <i>Chemistry - A European Journal</i> , 2021, 27, 9727-9736.	3.3	9
27	Low-Flammable Parahydrogen-Polarized MRI Contrast Agents. <i>Chemistry - A European Journal</i> , 2021, 27, 2774-2781.	3.3	8
28	<i>In Vivo</i> 6-([¹⁸ F]Fluoroacetamido)-1-hexanoicanilide PET Imaging of Altered Histone Deacetylase Activity in Chemotherapy-Induced Neurotoxicity. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-12.	0.8	7
29	Molecular Imaging of Sirtuin1 Expression Activity in Rat Brain Using Positron-Emission Tomography-Magnetic-Resonance Imaging with [¹⁸ F]-2-Fluorobenzoylamino-hexanoicanilide. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7116-7130.	6.4	7
30	Implementation of [18F]-labeled amyloid brain PET imaging biomarker in the diagnosis of Alzheimer's™ disease. <i>Nuclear Medicine Communications</i> , 2018, 39, 186-192.	1.1	6
31	¹⁵ N NMR Hyperpolarization of Radiosensitizing Antibiotic Nimorazole by Reversible Parahydrogen Exchange in Microtesla Magnetic Fields. <i>Angewandte Chemie</i> , 2021, 133, 2436-2443.	2.0	6
32	Investigating carbohydrate based ligands for galectin-3 with docking and molecular dynamics studies. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 71, 211-217.	2.4	5
33	A Novel Substrate Radiotracer for Molecular Imaging of SIRT2 Expression and Activity with Positron Emission Tomography. <i>Molecular Imaging and Biology</i> , 2018, 20, 594-604.	2.6	5
34	Quantitative and Qualitative Behavioral Measurements to Assess Pain in Axolotls (<i>Ambystoma</i>) Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50	1.2	4
35	Endocavity ultrasound and photoacoustic system for fetal and maternal imaging: design, implementation, and ex-vivo validation. <i>Journal of Medical Imaging</i> , 2021, 8, 066001.	1.5	4
36	The role of noninvasive diagnostic imaging in monitoring pregnancy and detecting patients at risk for preterm birth: a review of quantitative approaches. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2022, 35, 568-591.	1.5	3

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37	In Vivo Evaluation of the Combined Anticancer Effects of Cisplatin and SAHA in Nonsmall Cell Lung Carcinoma Using [18F]FAHA and [18F]FDG PET/CT Imaging. <i>Molecular Imaging</i> , 2021, 2021, 1-11.	1.4	3
38	Spatial and temporal dynamics of HDACs class IIa following mild traumatic brain injury in adult rats. <i>Molecular Psychiatry</i> , 2022, 27, 1683-1693.	7.9	3
39	Ligand-Directed Profiling of Organelles with Internalizing Phage Libraries. <i>Current Protocols in Protein Science</i> , 2015, 79, 30.4.1-30.4.30.	2.8	2
40	Noninvasive quantification of SIRT1 expression activity and pharmacologic inhibition in a rat model of intracerebral glioma using 2-[18F]BzAHA PET/CT/MRI. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa006.	0.7	2
41	Frontispiece: Parahydrogen-Induced Polarization of Diethyl Ether Anesthetic. <i>Chemistry - A European Journal</i> , 2020, 26, .	3.3	0
42	Frontispiece: Synthetic Approaches for ¹⁵ N-Labeled Hyperpolarized Heterocyclic Molecular Imaging Agents for ¹⁵ N NMR Signal Amplification by Reversible Exchange in Microtesla Magnetic Fields. <i>Chemistry - A European Journal</i> , 2021, 27, .	3.3	0
43	Head-to-head comparison of [18F]-fluorodeoxyglucose and [18F]-fluorocholine positron emission tomography/computed tomography in three patients with rare gestational trophoblastic neoplasms: A case series. <i>World Journal of Nuclear Medicine</i> , 2020, 19, 72.	0.5	0