

Juri G Gelovani

List of Publications by Year in descending order

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43
papers

1,011
citations

361413

20
h-index

434195

31
g-index

43
all docs

43
docs citations

43
times ranked

1614
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligand-targeted theranostic nanomedicines against cancer. Journal of Controlled Release, 2016, 240, 267-286.	9.9	154
2	FOXF1 mediates mesenchymal stem cell fusion-induced reprogramming of lung cancer cells. Oncotarget, 2014, 5, 9514-9529.	1.8	69
3	Neonatal brain resting-state functional connectivity imaging modalities. Photoacoustics, 2018, 10, 1-19.	7.8	56
4	Integrated nanotechnology platform for tumor-targeted multimodal imaging and therapeutic cargo release. Proceedings of the National Academy of Sciences of the United States of America, 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. Chemistry - A European Journal, 2019, 25, 8829-8836.	3.3	48
6	Imaging epigenetic regulation by histone deacetylases in the brain using PET/MRI with 18F-FAHA. NeuroImage, 2013, 64, 630-639.	4.2	42
7	AAVP displaying octreotide for ligand-directed therapeutic transgene delivery in neuroendocrine tumors of the pancreas. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2466-2471.	7.1	41
8	Targeted molecular-genetic imaging and ligand-directed therapy in aggressive variant prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12786-12791.	7.1	39
9	Intracellular targeting of annexin A2 inhibits tumor cell adhesion, migration, and in vivo grafting. Scientific Reports, 2017, 7, 4243.	3.3	38
10	Detection of histone deacetylase inhibition by noninvasive magnetic resonance spectroscopy. Molecular Cancer Therapeutics, 2006, 5, 1325-1334.	4.1	36
11	Development of a Bioluminescent Nitroreductase Probe for Preclinical Imaging. PLoS ONE, 2015, 10, e0131037.	2.5	36
12	Next-generation of targeted AAVP vectors for systemic transgene delivery against cancer. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18571-18577.	7.1	33
13	¹⁵ N NMR Hyperpolarization of Radiosensitizing Antibiotic Nimorazole by Reversible Parahydrogen Exchange in Microtesla Magnetic Fields. Angewandte Chemie - International Edition, 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. Chemical Communications, 2020, 56, 9098-9101.	4.1	32
15	Towards a transcriptome-based theranostic platform for unfavorable breast cancer phenotypes. Proceedings of the National Academy of Sciences of the United States of America, 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. Photoacoustics, 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. Cancer Gene Therapy, 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. PLoS ONE, 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. Scientific Reports, 2019, 9, 3595.	3.3	23
20	Radiosynthesis of 6-([18F]fluoroacetamido)-1-hexanoicanilide ([18F]FAHA) for PET imaging of histone deacetylase (HDAC). Journal of Labelled Compounds and Radiopharmaceuticals, 2006, 49, 997-1006.	1.0	20
21	Relaxation Dynamics of Nuclear Long-Lived Spin States in Propane and Propane-d6 Hyperpolarized by Parahydrogen. Journal of Physical Chemistry C, 2019, 123, 11734-11744.	3.1	18
22	Targeting a cell surface vitamin D receptor on tumor-associated macrophages in triple-negative breast cancer. ELife, 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. Oncotarget, 2015, 6, 8663-8675.	1.8	14
24	Parahydrogen-Induced Polarization of Diethyl Ether Anesthetic. Chemistry - A European Journal, 2020, 26, 13621-13626.	3.3	11
25	Contrast-enhanced optical coherence tomography for melanoma detection: An in vitro study. Journal of Biophotonics, 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. Chemistry - A European Journal, 2021, 27, 9727-9736.	3.3	9
27	Low-Flammable Parahydrogen-Polarized MRI Contrast Agents. Chemistry - A European Journal, 2021, 27, 2774-2781.	3.3	8
28	In Vivo 6-([¹⁸ F]Fluoroacetamido)-1-hexanoicanilide PET Imaging of Altered Histone Deacetylase Activity in Chemotherapy-Induced Neurotoxicity. Contrast Media and Molecular Imaging, 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. Journal of Medicinal Chemistry, 2018, 61, 7116-7130.	6.4	7
30	Implementation of [18F]-labeled amyloid brain PET imaging biomarker in the diagnosis of Alzheimer's disease. Nuclear Medicine Communications, 2018, 39, 186-192.	1.1	6
31	¹⁵ N NMR Hyperpolarization of Radiosensitizing Antibiotic Nimorazole by Reversible Parahydrogen Exchange in Microtesla Magnetic Fields. Angewandte Chemie, 2021, 133, 2436-2443.	2.0	6
32	Investigating carbohydrate based ligands for galectin-3 with docking and molecular dynamics studies. Journal of Molecular Graphics and Modelling, 2017, 71, 211-217.	2.4	5
33	A Novel Substrate Radiotracer for Molecular Imaging of SIRT2 Expression and Activity with Positron Emission Tomography. Molecular Imaging and Biology, 2018, 20, 594-604.	2.6	5
34	Quantitative and Qualitative Behavioral Measurements to Assess Pain in Axolotls (Ambystoma Tigrine) Using a Novel Thermal Imaging System. Journal of Thermal Analysis and Calorimetry, 2021, 244, 101-112.	1.2	4
35	Endocavity ultrasound and photoacoustic system for fetal and maternal imaging: design, implementation, and ex-vivo validation. Journal of Medical Imaging, 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. Journal of Maternal-Fetal and Neonatal Medicine, 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. Molecular Imaging, 2021, 2021, 1-11.	1.4	3
38	Spatial and temporal dynamics of HDACs class IIa following mild traumatic brain injury in adult rats. Molecular Psychiatry, 2022, 27, 1683-1693.	7.9	3
39	Ligandâ€Directed Profiling of Organelles with Internalizing Phage Libraries. Current Protocols in Protein Science, 2015, 79, 30.4.1-30.4.30.	2.8	2
40	Noninvasive quantification of SIRT1 expressionâ€activity and pharmacologic inhibition in a rat model of intracerebral glioma using 2-[18F]BzAHA PET/CT/MRI. Neuro-Oncology Advances, 2020, 2, vdaa006.	0.7	2
41	Frontispiece: Parahydrogenâ€Induced Polarization of Diethyl Ether Anesthetic. Chemistry - A European Journal, 2020, 26, .	3.3	0
42	Frontispiece: Synthetic Approaches for ¹⁵ Nâ€Labeled Hyperpolarized Heterocyclic Molecular Imaging Agents for ¹⁵ N NMR Signal Amplification by Reversible Exchange in Microtesla Magnetic Fields. Chemistry - A European Journal, 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. World Journal of Nuclear Medicine, 2020, 19, 72.	0.5	0