

# Inna S Serganova

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

3,777  
citations

147726

31  
h-index

168321

53  
g-index

70  
all docs

70  
docs citations

70  
times ranked

5475  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct organ-specific metastatic potential of individual breast cancer cells and primary tumors. <i>Journal of Clinical Investigation</i> , 2005, 115, 44-55.	3.9	606
2	Breast cancer bone metastasis mediated by the Smad tumor suppressor pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13909-13914.	3.3	500
3	A novel triple-modality reporter gene for whole-body fluorescent, bioluminescent, and nuclear noninvasive imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2004, 31, 740-751.	3.3	266
4	CTLA-4 blockade drives loss of Treg stability in glycolysis-low tumours. <i>Nature</i> , 2021, 591, 652-658.	13.7	187
5	Molecular Imaging of Temporal Dynamics and Spatial Heterogeneity of Hypoxia-Inducible Factor-1 Signal Transduction Activity in Tumors in Living Mice. <i>Cancer Research</i> , 2004, 64, 6101-6108.	0.4	179
6	Metabolic Plasticity of Metastatic Breast Cancer Cells: Adaptation to Changes in the Microenvironment. <i>Neoplasia</i> , 2015, 17, 671-684.	2.3	115
7	Reporter gene imaging: potential impact on therapy. <i>Nuclear Medicine and Biology</i> , 2005, 32, 763-780.	0.3	110
8	Human reporter genes: potential use in clinical studies. <i>Nuclear Medicine and Biology</i> , 2007, 34, 791-807.	0.3	110
9	Real-Time Imaging of HIF-1 $\alpha$ Stabilization and Degradation. <i>PLoS ONE</i> , 2009, 4, e5077.	1.1	99
10	A Human-Derived Reporter Gene for Noninvasive Imaging in Humans: Mitochondrial Thymidine Kinase Type 2. <i>Journal of Nuclear Medicine</i> , 2007, 48, 819-826.	2.8	93
11	Metabolic Imaging: A Link between Lactate Dehydrogenase A, Lactate, and Tumor Phenotype. <i>Clinical Cancer Research</i> , 2011, 17, 6250-6261.	3.2	92
12	Imaging hNET Reporter Gene Expression with 124I-MIBG. <i>Journal of Nuclear Medicine</i> , 2007, 48, 827-836.	2.8	87
13	Relationships between LDH-A, Lactate, and Metastases in 4T1 Breast Tumors. <i>Clinical Cancer Research</i> , 2013, 19, 5158-5169.	3.2	87
14	Enhancement of PSMA-Directed CAR Adoptive Immunotherapy by PD-1/PD-L1 Blockade. <i>Molecular Therapy - Oncolytics</i> , 2017, 4, 41-54.	2.0	74
15	LDH-A regulates the tumor microenvironment via HIF-signaling and modulates the immune response. <i>PLoS ONE</i> , 2018, 13, e0203965.	1.1	74
16	Noninvasive Molecular Imaging Using Reporter Genes. <i>Journal of Nuclear Medicine</i> , 2013, 54, 167-172.	2.8	66
17	Comparative Analysis of T Cell Imaging with Human Nuclear Reporter Genes. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1055-1060.	2.8	66
18	Imaging Expression of the Human Somatostatin Receptor Subtype-2 Reporter Gene with <sup>68</sup> Ga-DOTATOC. <i>Journal of Nuclear Medicine</i> , 2011, 52, 123-131.	2.8	61

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19	Imaging of HSV- <i>tk</i> Reporter Gene Expression: Comparison Between [ <sup>18</sup> F]FEAU, [ <sup>18</sup> F]FEAU, and Other Imaging Probes. <i>Journal of Nuclear Medicine</i> , 2008, 49, 637-648.	2.8	52
20	Imaging a Genetically Engineered Oncolytic Vaccinia Virus (GLV-1h99) Using a Human Norepinephrine Transporter Reporter Gene. <i>Clinical Cancer Research</i> , 2009, 15, 3791-3801.	3.2	51
21	Multimodality imaging of TGF $\beta$ 2 signaling in breast cancer metastases. <i>FASEB Journal</i> , 2009, 23, 2662-2672.	0.2	50
22	Synthesis and evaluation of 18F-labeled benzylguanidine analogs for targeting the human norepinephrine transporter. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 322-332.	3.3	50
23	Cytoplasmically Retargeted HSV1- <i>tk</i> /GFP Reporter Gene Mutants for Optimization of Noninvasive Molecular-Genetic Imaging. <i>Neoplasia</i> , 2003, 5, 245-254.	2.3	48
24	Tumor Hypoxia Imaging: Fig. 1.. <i>Clinical Cancer Research</i> , 2006, 12, 5260-5264.	3.2	45
25	Molecular Imaging: Reporter Gene Imaging. <i>Handbook of Experimental Pharmacology</i> , 2008, , 167-223.	0.9	45
26	Concurrent visualization of trafficking, expansion, and activation of T lymphocytes and T-cell precursors in vivo. <i>Blood</i> , 2010, 116, e18-e25.	0.6	43
27	Molecular Imaging with Reporter Genes: Has Its Promise Been Delivered?. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1665-1681.	2.8	42
28	Understanding the pharmacological properties of a metabolic PET tracer in prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7254-7259.	3.3	40
29	A Novel Recombinant Vaccinia Virus Expressing the Human Norepinephrine Transporter Retains Oncolytic Potential and Facilitates Deep-Tissue Imaging. <i>Molecular Medicine</i> , 2009, 15, 144-151.	1.9	38
30	Development of a New Reporter Gene System—dsRed/Xanthine Phosphoribosyltransferase-Xanthine for Molecular Imaging of Processes Behind the Intact Blood-Brain Barrier. <i>Molecular Imaging</i> , 2003, 2, 93-112.	0.7	35
31	Inhibition of prostate cancer proliferation by Deferiprone. <i>NMR in Biomedicine</i> , 2017, 30, e3712.	1.6	34
32	Genetically Engineered Oncolytic Newcastle Disease Virus Effectively Induces Sustained Remission of Malignant Pleural Mesothelioma. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 2761-2769.	1.9	33
33	hNIS-IRES-eGFP Dual Reporter Gene Imaging. <i>Molecular Imaging</i> , 2005, 4, 153535002005041.	0.7	30
34	Imaging Colon Cancer Response Following Treatment with AZD1152: A Preclinical Analysis of [ <sup>18</sup> F]Fluoro-2-deoxyglucose and 3 $\beta$ -deoxy-3 $\beta$ -[ <sup>18</sup> F]Fluorothymidine Imaging. <i>Clinical Cancer Research</i> , 2011, 17, 1099-1110.	3.2	29
35	hNIS-IRES-eGFP dual reporter gene imaging. <i>Molecular Imaging</i> , 2005, 4, 128-36.	0.7	28
36	Imaging of hypoxia-driven gene expression in an orthotopic liver tumor model. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 2900-2908.	1.9	27

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37	Tumor stroma interaction is mediated by monocarboxylate metabolism. <i>Experimental Cell Research</i> , 2017, 352, 20-33.	1.2	25
38	Lactate Dehydrogenase A Depletion Alters MyC-CaP Tumor Metabolism, Microenvironment, and CAR T Cell Therapy. <i>Molecular Therapy - Oncolytics</i> , 2020, 18, 382-395.	2.0	17
39	Different Strategies for Reducing Intestinal Background Radioactivity Associated with Imaging HSV1-tk Expression Using Established Radionucleoside Probes. <i>Molecular Imaging</i> , 2010, 9, 7290.2010.00006.	0.7	13
40	ATP-Binding Cassette Transporters Modulate Both Coelenterazine- and D-Luciferin-Based Bioluminescence Imaging. <i>Molecular Imaging</i> , 2011, 10, 7290.2010.00045.	0.7	13
41	Bioluminescence Imaging Serves as a Dynamic Marker for Guiding and Assessing Thermal Treatment of Cancer in a Preclinical Model. <i>Annals of Surgical Oncology</i> , 2012, 19, 3116-3122.	0.7	12
42	Synthesis and evaluation of an 18 F-labeled pyrimidine-pyridine amine for targeting CXCR4 receptors in gliomas. <i>Nuclear Medicine and Biology</i> , 2016, 43, 606-611.	0.3	12
43	HSP70-Inducible hNIS-IRES-eGFP Reporter Imaging: Response to Heat Shock. <i>Molecular Imaging</i> , 2007, 6, 7290.2007.00036.	0.7	11
44	Monitoring the Induction of Heat Shock Factor 1/Heat Shock Protein 70 Expression following 17-Allylamino-Demethoxygeldanamycin Treatment by Positron Emission Tomography and Optical Reporter Gene Imaging. <i>Molecular Imaging</i> , 2012, 11, 7290.2011.00028.	0.7	11
45	Introducing a new reporter gene, membrane-anchored Cypridina luciferase, for multiplex bioluminescence imaging. <i>Molecular Therapy - Oncolytics</i> , 2021, 21, 15-22.	2.0	11
46	HSP70-inducible hNIS-IRES-eGFP reporter imaging: response to heat shock. <i>Molecular Imaging</i> , 2007, 6, 404-16.	0.7	11
47	ATP-binding cassette transporters modulate both coelenterazine- and D-luciferin-based bioluminescence imaging. <i>Molecular Imaging</i> , 2011, 10, 215-26.	0.7	10
48	Multi-Modality Molecular Imaging of Tumors. <i>Hematology/Oncology Clinics of North America</i> , 2006, 20, 1215-1248.	0.9	8
49	Different strategies for reducing intestinal background radioactivity associated with imaging HSV1-tk expression using established radionucleoside probes. <i>Molecular Imaging</i> , 2010, 9, 47-58.	0.7	7
50	Epigenetic, Metabolic, and Immune Crosstalk in Germinal-Center-Derived B-Cell Lymphomas: Unveiling New Vulnerabilities for Rational Combination Therapies. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 805195.	1.8	7
51	Genetic and Drug Inhibition of LDH-A: Effects on Murine Gliomas. <i>Cancers</i> , 2022, 14, 2306.	1.7	6
52	Non-invasive molecular imaging and reporter genes. <i>Open Life Sciences</i> , 2006, 1, 88-123.	0.6	3
53	Molecular Imaging of Expression of Vascular Endothelial Growth Factor $\alpha$ (VEGF A) in Femoral Bone Grafts Transplanted into Living Mice. <i>Cell Transplantation</i> , 2014, 23, 901-912.	1.2	2
54	Abstract PR06: Overcoming intratumor T-cell exclusion by modulation of lactate metabolism to improve immune checkpoint therapies in aggressive breast cancer. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
55	Abstract 3257: CTLA-4 blockade drives loss of regulatory T cell functional stability in glycolysis defective tumors. , 2020, , .		1
56	619â€¦Pharmacologic modulation of tumor glycolysis to improve responses to immune checkpoint blockade therapy. , 2021, 9, A649-A649.		1
57	LDH-Aâ€”Modulation and the Variability of LDH Isoenzyme Profiles in Murine Gliomas: A Link with Metabolic and Growth Responses. Cancers, 2022, 14, 2303.	1.7	1
58	Molecular Imaging of Cancer Cells Growing in Bone. , 2010, , 119-140.		0
59	Concurrent Visualization of Trafficking and NFAT Signalling in Primary T Lymphocytes and T Cell Precursors In Vivo.. Blood, 2009, 114, 914-914.	0.6	0
60	Abstract 5234: Sequential multi-modality imaging to detect metabolic changes during tumor growth. , 2010, , .		0
61	Abstract 1003: A link between lactate dehydrogenase A, lactate and tumor phenotype identified by imaging. , 2012, , .		0
62	Abstract 3223: Magnetic resonance spectroscopic imaging of lactate in LDH-A silenced metastatic breast tumors. , 2012, , .		0
63	Abstract 1868: Metabolic characterization of prostate cancer cell lines.. , 2013, , .		0
64	Abstract 1120: Bioenergetics of T cells in the context of adoptive immunotherapy. , 2014, , .		0
65	Abstract A089: The effect of lactate dehydrogenase-A (LDH-A) knockdown and human prostate-specific membrane antigen (hPSMA) directed CAR T-cell treatment on hPSMA(+) Myc-CaP tumors. , 2019, , .		0
66	Abstract 1476: Vessel normalization following LDH-A knockdown in murine breast tumors. , 2020, , .		0
67	254â€¦CTLA-4 blockade promotes Treg glucose metabolism and reduces Treg functional stability in glycolysis-defective tumors. , 2020, , .		0
68	Chapter 78. Clinical Imaging and Animal Modeling in Osseous Metastatic Disease. , 0, , 370-374.		0