

# Sissy M Jhiang

## List of Publications by Citations

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64  
papers

4,463  
citations

30  
h-index

65  
g-index

65  
ext. papers

4,820  
ext. citations

5.7  
avg, IF

5.28  
L-index

#	Paper	IF	Citations
64	Long-term impact of initial surgical and medical therapy on papillary and follicular thyroid cancer. <i>American Journal of Medicine</i> , <b>1994</b> , 97, 418-28	2.4	2027
63	The RET proto-oncogene in human cancers. <i>Oncogene</i> , <b>2000</b> , 19, 5590-7	9.2	238
62	Expression, exon-intron organization, and chromosome mapping of the human sodium iodide symporter. <i>Endocrinology</i> , <b>1997</b> , 138, 3555-8	4.8	166
61	An immunohistochemical study of Na <sup>+</sup> /I <sup>-</sup> symporter in human thyroid tissues and salivary gland tissues. <i>Endocrinology</i> , <b>1998</b> , 139, 4416-9	4.8	155
60	Nasolacrimal drainage system obstruction from radioactive iodine therapy for thyroid carcinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2002</b> , 87, 5817-20	5.6	147
59	A homozygous inactivating mutation in the parathyroid hormone/parathyroid hormone-related peptide receptor causing Blomstrand chondrodysplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1998</b> , 83, 3365-8	5.6	111
58	Cloning of the human taurine transporter and characterization of taurine uptake in thyroid cells. <i>FEBS Letters</i> , <b>1993</b> , 318, 139-44	3.8	104
57	Loss of p53 promotes anaplasia and local invasion in ret/PTC1-induced thyroid carcinomas. <i>American Journal of Pathology</i> , <b>2000</b> , 157, 671-7	5.8	77
56	Hormonal regulation of radioiodide uptake activity and Na <sup>+</sup> /I <sup>-</sup> symporter expression in mammary glands. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2000</b> , 85, 2936-43	5.6	72
55	Sodium iodide symporter in health and disease. <i>Thyroid</i> , <b>2001</b> , 11, 415-25	6.2	68
54	Leucine zipper-mediated dimerization is essential for the PTC1 oncogenic activity. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 9043-7	5.4	63
53	Modulation of sodium/iodide symporter expression in the salivary gland. <i>Thyroid</i> , <b>2013</b> , 23, 1029-36	6.2	58
52	Expression of sodium iodide symporter in the lacrimal drainage system: implication for the mechanism underlying nasolacrimal duct obstruction in I(131)-treated patients. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , <b>2005</b> , 21, 337-44	1.4	54
51	Breakpoint characterization of the ret/PTC oncogene in human papillary thyroid carcinoma. <i>Human Molecular Genetics</i> , <b>1995</b> , 4, 2313-8	5.6	53
50	Early cellular abnormalities induced by RET/PTC1 oncogene in thyroid-targeted transgenic mice. <i>Oncogene</i> , <b>1999</b> , 18, 3659-65	9.2	51
49	Nuclear envelope irregularity is induced by RET/PTC during interphase. <i>American Journal of Pathology</i> , <b>2003</b> , 163, 1091-100	5.8	48
48	An Immunohistochemical Study of Na <sup>+</sup> /I <sup>-</sup> Symporter in Human Thyroid Tissues and Salivary Gland Tissues		47

47	Signal transduction pathways activated by RET oncoproteins in PC12 pheochromocytoma cells. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 4909-14	5.4	43
46	Promoter characterization of the rat Na <sup>+</sup> /I <sup>-</sup> symporter gene. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 239, 34-41	3.4	42
45	Effect of prolactin on sodium iodide symporter expression in mouse mammary gland explants. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2000</b> , 279, E769-72	6	42
44	Development of a single-step duplex RT-PCR detecting different forms of ret activation, and identification of the third form of in vivo ret activation in human papillary thyroid carcinoma. <i>Cancer Letters</i> , <b>1994</b> , 78, 69-76	9.9	40
43	Expression, Exon-Intron Organization, and Chromosome Mapping of the Human Sodium Iodide Symporter		40
42	Inhibition of heat shock protein 90, a novel RET/PTC1-associated protein, increases radioiodide accumulation in thyroid cells. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 43990-7	5.4	39
41	Promoter characterization of the human Na <sup>+</sup> /I <sup>-</sup> symporter. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1998</b> , 83, 3247-51	5.6	39
40	Exon-intron organization in genes of earthworm and vertebrate globins. <i>Science</i> , <b>1988</b> , 240, 334-6	33.3	37
39	Development of reverse transcription-competitive polymerase chain reaction method to quantitate the expression levels of human sodium iodide symporter. <i>Thyroid</i> , <b>1999</b> , 9, 405-9	6.2	36
38	In vivo expression and function of the sodium iodide symporter following gene transfer in the MATLyLu rat model of metastatic prostate cancer. <i>Prostate</i> , <b>2002</b> , 50, 170-8	4.2	35
37	PI3K activation is associated with intracellular sodium/iodide symporter protein expression in breast cancer. <i>BMC Cancer</i> , <b>2007</b> , 7, 137	4.8	34
36	Imaging of metastatic pulmonary tumors following NIS gene transfer using single photon emission computed tomography. <i>Cancer Gene Therapy</i> , <b>2004</b> , 11, 121-7	5.4	34
35	Identification of in vivo phosphorylation sites and their functional significance in the sodium iodide symporter. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 36820-8	5.4	30
34	microRNA-339-5p modulates Na <sup>+</sup> /I <sup>-</sup> symporter-mediated radioiodide uptake. <i>Endocrine-Related Cancer</i> , <b>2015</b> , 22, 11-21	5.7	29
33	The roles of phosphotyrosines-294, -404, and -451 in RET/PTC1-induced thyroid tumor formation. <i>Oncogene</i> , <b>2002</b> , 21, 8166-72	9.2	29
32	Modulation of sodium iodide symporter expression and function by LY294002, Akti-1/2 and Rapamycin in thyroid cells. <i>Endocrine-Related Cancer</i> , <b>2012</b> , 19, 291-304	5.7	28
31	Three-axis rapid steering of optically propelled micro/nanoparticles. <i>Review of Scientific Instruments</i> , <b>2009</b> , 80, 063107	1.7	23
30	Signaling through 3T5Tcyclic adenosine monophosphate and phosphoinositide-3 kinase induces sodium/iodide symporter expression in breast cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 5196-203	5.6	23

29	Modulation of thyroidal radioiodide uptake by oncological pipeline inhibitors and Apigenin. <i>Oncotarget</i> , <b>2015</b> , 6, 31792-804	3.3	22
28	MEK signaling modulates sodium iodide symporter at multiple levels and in a paradoxical manner. <i>Endocrine-Related Cancer</i> , <b>2007</b> , 14, 421-32	5.7	21
27	Modulation of sodium iodide symporter in thyroid cancer. <i>Hormones and Cancer</i> , <b>2014</b> , 5, 363-73	5	20
26	Cell surface targeting accounts for the difference in iodide uptake activity between human Na <sup>+</sup> /I <sup>-</sup> symporter and rat Na <sup>+</sup> /I <sup>-</sup> symporter. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 6131-40	5.6	18
25	Regulation of sodium/iodide symporter. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2000</b> , 1, 205-15	10.5	18
24	Direct tip-sample interaction force control for the dynamic mode atomic force microscopy. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 204102	3.4	17
23	Forskolin, 8-Br-3',5'-cyclic adenosine 5'-monophosphate, and catalytic protein kinase A expression in the nucleus increase radioiodide uptake and sodium/iodide symporter protein levels in RET/PTC1-expressing cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 6168-72	5.6	16
22	Apigenin in combination with Akt inhibition significantly enhances thyrotropin-stimulated radioiodide accumulation in thyroid cells. <i>Thyroid</i> , <b>2014</b> , 24, 878-87	6.2	14
21	Correlation of Na <sup>+</sup> /I <sup>-</sup> symporter expression and activity: implications of Na <sup>+</sup> /I <sup>-</sup> symporter as an imaging reporter gene. <i>Journal of Nuclear Medicine</i> , <b>2006</b> , 47, 182-90	8.9	14
20	Risk Factors of I-Induced Salivary Gland Damage in Thyroid Cancer Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2016</b> , 101, 4085-4093	5.6	13
19	Variable expression of coxsackie-adenovirus receptor in thyroid tumors: implications for adenoviral gene therapy. <i>Thyroid</i> , <b>2005</b> , 15, 977-87	6.2	13
18	Creation and characterization of a doxycycline-inducible mouse model of thyroid-targeted RET/PTC1 oncogene and luciferase reporter gene coexpression. <i>Thyroid</i> , <b>2007</b> , 17, 1181-8	6.2	12
17	The rs2910164 Genetic Variant of miR-146a-3p Is Associated with Increased Overall Mortality in Patients with Follicular Variant Papillary Thyroid Carcinoma. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	11
16	MEK inhibition leads to lysosome-mediated Na <sup>+</sup> /I <sup>-</sup> symporter protein degradation in human breast cancer cells. <i>Endocrine-Related Cancer</i> , <b>2013</b> , 20, 241-50	5.7	11
15	Real-time visual sensing system achieving high-speed 3D particle tracking with nanometer resolution. <i>Applied Optics</i> , <b>2013</b> , 52, 7530-9	1.7	11
14	Design and Fabrication of an Active Multiaxis Probing System for High Speed Atomic Force Microscopy. <i>IEEE Nanotechnology Magazine</i> , <b>2010</b> , 9, 392-399	2.6	10
13	Cloning of the 5'flanking region of mouse sodium/iodide symporter and identification of a thyroid-specific and TSH-responsive enhancer. <i>Thyroid</i> , <b>2004</b> , 14, 19-27	6.2	10
12	Quantitative characterization of cell behaviors through cell cycle progression via automated cell tracking. <i>PLoS ONE</i> , <b>2014</b> , 9, e98762	3.7	9

11	Micro-single-photon emission computed tomography image acquisition and quantification of sodium-iodide symporter-mediated radionuclide accumulation in mouse thyroid and salivary glands. <i>Thyroid</i> , <b>2012</b> , 22, 617-24	6.2	9
10	Application of the Cre/loxP system to enhance thyroid-targeted expression of sodium/iodide symporter. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 2344-50	5.6	9
9	Single photon emission computed tomography imaging for temporal dynamics of thyroidal and salivary radionuclide accumulation in 17-allylamino-17-demethoxygeldanamycin-treated thyroid cancer mouse model. <i>Endocrine-Related Cancer</i> , <b>2011</b> , 18, 27-37	5.7	8
8	Effect of exogenous human sodium iodide symporter expression on growth of MATLyLu cells. <i>Thyroid</i> , <b>2003</b> , 13, 133-40	6.2	5
7	Risk Haplotypes Uniquely Associated with Radioiodine-Refractory Thyroid Cancer Patients of High African Ancestry. <i>Thyroid</i> , <b>2019</b> , 29, 530-539	6.2	3
6	Iodine: Symporter and Oxidation, Thyroid Hormone Biosynthesis <b>2003</b> , 517-522		1
5	Na <sup>+</sup> /I <sup>-</sup> symporter expression, function, and regulation in non-thyroidal tissues and impact on thyroid cancer therapy. <i>Endocrine-Related Cancer</i> , <b>2021</b> , 28, T167-T177	5.7	1
4	Ernest L. Mazzaferri, MD, MACP (1936-2013). <i>Thyroid</i> , <b>2013</b> , 23, 917-23	6.2	0
3	Automated MicroSPECT/MicroCT Image Analysis of the Mouse Thyroid Gland. <i>Thyroid</i> , <b>2017</b> , 27, 1433-1440		0
2	Modeling and calibrating nonlinearity and crosstalk in back focal plane interferometry for three-dimensional position detection. <i>Optics Letters</i> , <b>2017</b> , 42, 3948-3951		3
1	Personalized radioiodine therapy for thyroid cancer patients with known disease. <i>Faculty Reviews</i> , <b>2021</b> , 10, 36	1.2	