

Sissy M Jhiang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Personalized radioiodine therapy for thyroid cancer patients with known disease. <i>Faculty Reviews</i> , 2021 , 10, 36	1.2	
63	Na ⁺ /I ⁻ symporter expression, function, and regulation in non-thyroidal tissues and impact on thyroid cancer therapy. <i>Endocrine-Related Cancer</i> , 2021 , 28, T167-T177	5.7	1
62	Risk Haplotypes Uniquely Associated with Radioiodine-Refractory Thyroid Cancer Patients of High African Ancestry. <i>Thyroid</i> , 2019 , 29, 530-539	6.2	3
61	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> , 2018 , 19,	6.3	11
60	Automated MicroSPECT/MicroCT Image Analysis of the Mouse Thyroid Gland. <i>Thyroid</i> , 2017 , 27, 1433-1440		
59	Modeling and calibrating nonlinearity and crosstalk in back focal plane interferometry for three-dimensional position detection. <i>Optics Letters</i> , 2017 , 42, 3948-3951	3	
58	Risk Factors of I-Induced Salivary Gland Damage in Thyroid Cancer Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 4085-4093	5.6	13
57	microRNA-339-5p modulates Na ⁺ /I ⁻ symporter-mediated radioiodide uptake. <i>Endocrine-Related Cancer</i> , 2015 , 22, 11-21	5.7	29
56	Modulation of thyroidal radioiodide uptake by oncological pipeline inhibitors and Apigenin. <i>Oncotarget</i> , 2015 , 6, 31792-804	3.3	22
55	Modulation of sodium iodide symporter in thyroid cancer. <i>Hormones and Cancer</i> , 2014 , 5, 363-73	5	20
54	Apigenin in combination with Akt inhibition significantly enhances thyrotropin-stimulated radioiodide accumulation in thyroid cells. <i>Thyroid</i> , 2014 , 24, 878-87	6.2	14
53	Quantitative characterization of cell behaviors through cell cycle progression via automated cell tracking. <i>PLoS ONE</i> , 2014 , 9, e98762	3.7	9
52	Ernest L. Mazzaferri, MD, MACP (1936-2013). <i>Thyroid</i> , 2013 , 23, 917-23	6.2	0
51	MEK inhibition leads to lysosome-mediated Na ⁺ /I ⁻ symporter protein degradation in human breast cancer cells. <i>Endocrine-Related Cancer</i> , 2013 , 20, 241-50	5.7	11
50	Modulation of sodium/iodide symporter expression in the salivary gland. <i>Thyroid</i> , 2013 , 23, 1029-36	6.2	58
49	Real-time visual sensing system achieving high-speed 3D particle tracking with nanometer resolution. <i>Applied Optics</i> , 2013 , 52, 7530-9	1.7	11
48	Modulation of sodium iodide symporter expression and function by LY294002, Akti-1/2 and Rapamycin in thyroid cells. <i>Endocrine-Related Cancer</i> , 2012 , 19, 291-304	5.7	28

47	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> , 2012 , 22, 617-24	6.2	9
46	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> , 2011 , 18, 27-37	5.7	8
45	Design and Fabrication of an Active Multiaxis Probing System for High Speed Atomic Force Microscopy. <i>IEEE Nanotechnology Magazine</i> , 2010 , 9, 392-399	2.6	10
44	Three-axis rapid steering of optically propelled micro/nanoparticles. <i>Review of Scientific Instruments</i> , 2009 , 80, 063107	1.7	23
43	PI3K activation is associated with intracellular sodium/iodide symporter protein expression in breast cancer. <i>BMC Cancer</i> , 2007 , 7, 137	4.8	34
42	Identification of in vivo phosphorylation sites and their functional significance in the sodium iodide symporter. <i>Journal of Biological Chemistry</i> , 2007 , 282, 36820-8	5.4	30
41	Creation and characterization of a doxycycline-inducible mouse model of thyroid-targeted RET/PTC1 oncogene and luciferase reporter gene coexpression. <i>Thyroid</i> , 2007 , 17, 1181-8	6.2	12
40	MEK signaling modulates sodium iodide symporter at multiple levels and in a paradoxical manner. <i>Endocrine-Related Cancer</i> , 2007 , 14, 421-32	5.7	21
39	Direct tip-sample interaction force control for the dynamic mode atomic force microscopy. <i>Applied Physics Letters</i> , 2006 , 88, 204102	3.4	17
38	Correlation of Na ⁺ /I ⁻ symporter expression and activity: implications of Na ⁺ /I ⁻ symporter as an imaging reporter gene. <i>Journal of Nuclear Medicine</i> , 2006 , 47, 182-90	8.9	14
37	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> , 2005 , 21, 337-44	1.4	54
36	Cell surface targeting accounts for the difference in iodide uptake activity between human Na ⁺ /I ⁻ symporter and rat Na ⁺ /I ⁻ symporter. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 6131-40	5.6	18
35	Variable expression of coxsackie-adenovirus receptor in thyroid tumors: implications for adenoviral gene therapy. <i>Thyroid</i> , 2005 , 15, 977-87	6.2	13
34	Signaling through 3T5Cyclic adenosine monophosphate and phosphoinositide-3 kinase induces sodium/iodide symporter expression in breast cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 5196-203	5.6	23
33	Application of the Cre/loxP system to enhance thyroid-targeted expression of sodium/iodide symporter. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 2344-50	5.6	9
32	Forskolin, 8-Br-3T5Cyclic adenosine 5Tmonophosphate, 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> , 2004 , 89, 6168-72	5.6	16
31	Inhibition of heat shock protein 90, a novel RET/PTC1-associated protein, increases radioiodide accumulation in thyroid cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 43990-7	5.4	39
30	Imaging of metastatic pulmonary tumors following NIS gene transfer using single photon emission computed tomography. <i>Cancer Gene Therapy</i> , 2004 , 11, 121-7	5.4	34

29	Cloning of the 5'flanking region of mouse sodium/iodide symporter and identification of a thyroid-specific and TSH-responsive enhancer. <i>Thyroid</i> , 2004 , 14, 19-27	6.2	10
28	Nuclear envelope irregularity is induced by RET/PTC during interphase. <i>American Journal of Pathology</i> , 2003 , 163, 1091-100	5.8	48
27	Effect of exogenous human sodium iodide symporter expression on growth of MATLyLu cells. <i>Thyroid</i> , 2003 , 13, 133-40	6.2	5
26	Iodine: Symporter and Oxidation, <i>Thyroid Hormone Biosynthesis</i> 2003 , 517-522		1
25	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> , 2002 , 50, 170-8	4.2	35
24	The roles of phosphotyrosines-294, -404, and -451 in RET/PTC1-induced thyroid tumor formation. <i>Oncogene</i> , 2002 , 21, 8166-72	9.2	29
23	Nasolacrimal drainage system obstruction from radioactive iodine therapy for thyroid carcinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 5817-20	5.6	147
22	Sodium iodide symporter in health and disease. <i>Thyroid</i> , 2001 , 11, 415-25	6.2	68
21	The RET proto-oncogene in human cancers. <i>Oncogene</i> , 2000 , 19, 5590-7	9.2	238
20	Regulation of sodium/iodide symporter. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2000 , 1, 205-15	10.5	18
19	Effect of prolactin on sodium iodide symporter expression in mouse mammary gland explants. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000 , 279, E769-72	6	42
18	Hormonal regulation of radioiodide uptake activity and Na ⁺ /I ⁻ symporter expression in mammary glands. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 2936-43	5.6	72
17	Loss of p53 promotes anaplasia and local invasion in ret/PTC1-induced thyroid carcinomas. <i>American Journal of Pathology</i> , 2000 , 157, 671-7	5.8	77
16	Development of reverse transcription-competitive polymerase chain reaction method to quantitate the expression levels of human sodium iodide symporter. <i>Thyroid</i> , 1999 , 9, 405-9	6.2	36
15	Early cellular abnormalities induced by RET/PTC1 oncogene in thyroid-targeted transgenic mice. <i>Oncogene</i> , 1999 , 18, 3659-65	9.2	51
14	An immunohistochemical study of Na ⁺ /I ⁻ symporter in human thyroid tissues and salivary gland tissues. <i>Endocrinology</i> , 1998 , 139, 4416-9	4.8	155
13	Promoter characterization of the human Na ⁺ /I ⁻ symporter. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998 , 83, 3247-51	5.6	39
12	A homozygous inactivating mutation in the parathyroid hormone/parathyroid hormone-related peptide receptor causing Blomstrand chondrodysplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998 , 83, 3365-8	5.6	111

11	Signal transduction pathways activated by RET oncoproteins in PC12 pheochromocytoma cells. <i>Journal of Biological Chemistry</i> , 1998 , 273, 4909-14	5.4	43
10	Expression, exon-intron organization, and chromosome mapping of the human sodium iodide symporter. <i>Endocrinology</i> , 1997 , 138, 3555-8	4.8	166
9	Leucine zipper-mediated dimerization is essential for the PTC1 oncogenic activity. <i>Journal of Biological Chemistry</i> , 1997 , 272, 9043-7	5.4	63
8	Promoter characterization of the rat Na ⁺ /I ⁻ symporter gene. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 239, 34-41	3.4	42
7	Breakpoint characterization of the ret/PTC oncogene in human papillary thyroid carcinoma. <i>Human Molecular Genetics</i> , 1995 , 4, 2313-8	5.6	53
6	Long-term impact of initial surgical and medical therapy on papillary and follicular thyroid cancer. <i>American Journal of Medicine</i> , 1994 , 97, 418-28	2.4	2027
5	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> , 1994 , 78, 69-76	9.9	40
4	Cloning of the human taurine transporter and characterization of taurine uptake in thyroid cells. <i>FEBS Letters</i> , 1993 , 318, 139-44	3.8	104
3	Exon-intron organization in genes of earthworm and vertebrate globins. <i>Science</i> , 1988 , 240, 334-6	33.3	37
2	Expression, Exon-Intron Organization, and Chromosome Mapping of the Human Sodium Iodide Symporter		40
1	An Immunohistochemical Study of Na ⁺ /I ⁻ Symporter in Human Thyroid Tissues and Salivary Gland Tissues		47