

Sissy M Jhiang

List of Publications by Year in descending order

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65
papers

5,263
citations

147566

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66
all docs

66
docs citations

66
times ranked

3924
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term impact of initial surgical and medical therapy on papillary and follicular thyroid cancer. <i>American Journal of Medicine</i> , 1994, 97, 418-428.	0.6	2,390
2	The RET proto-oncogene in human cancers. <i>Oncogene</i> , 2000, 19, 5590-5597.	2.6	277
3	Expression, Exon-Intron Organization, and Chromosome Mapping of the Human Sodium Iodide Symporter. <i>Endocrinology</i> , 1997, 138, 3555-3558.	1.4	191
4	An Immunohistochemical Study of Na ⁺ /I ⁻ Symporter in Human Thyroid Tissues and Salivary Gland Tissues. <i>Endocrinology</i> , 1998, 139, 4416-4419.	1.4	175
5	Nasolacrimal Drainage System Obstruction from Radioactive Iodine Therapy for Thyroid Carcinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 5817-5820.	1.8	172
6	Novel, Missense, and Loss-of-Function Mutations in the Sodium/Iodide Symporter Gene Causing Iodide Transport Defect in Three Japanese Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 3365-3368.	1.8	138
7	Cloning of the human taurine transporter and characterization of taurine uptake in thyroid cells. <i>FEBS Letters</i> , 1993, 318, 139-144.	1.3	123
8	Loss of p53 Promotes Anaplasia and Local Invasion in ret/PTC1-Induced Thyroid Carcinomas. <i>American Journal of Pathology</i> , 2000, 157, 671-677.	1.9	93
9	Hormonal Regulation of Radioiodide Uptake Activity and Na ⁺ /I ⁻ Symporter Expression in Mammary Glands. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000, 85, 2936-2943.	1.8	87
10	Sodium Iodide Symporter in Health and Disease. <i>Thyroid</i> , 2001, 11, 415-425.	2.4	75
11	Leucine Zipper-mediated Dimerization Is Essential for the PTC1 Oncogenic Activity. <i>Journal of Biological Chemistry</i> , 1997, 272, 9043-9047.	1.6	72
12	Expression of Sodium Iodide Symporter in the Lacrimal Drainage System: Implication for the Mechanism Underlying Nasolacrimal Duct Obstruction in I131-Treated Patients. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2005, 21, 337-344.	0.4	70
13	Modulation of Sodium/Iodide Symporter Expression in the Salivary Gland. <i>Thyroid</i> , 2013, 23, 1029-1036.	2.4	67
14	Early cellular abnormalities induced by RET/PTC1 oncogene in thyroid-targeted transgenic mice. <i>Oncogene</i> , 1999, 18, 3659-3665.	2.6	59
15	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-E772.	1.8	58
16	Breakpoint characterization of the ret/PTC oncogene in human papillary thyroid carcinoma. <i>Human Molecular Genetics</i> , 1995, 4, 2313-2318.	1.4	57
17	Nuclear Envelope Irregularity Is Induced by RET/PTC During Interphase. <i>American Journal of Pathology</i> , 2003, 163, 1091-1100.	1.9	55
18	Signal Transduction Pathways Activated by RET Oncoproteins in PC12 Pheochromocytoma Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 4909-4914.	1.6	51

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19	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, 43990-43997.	1.6	49
20	An Immunohistochemical Study of Na ⁺ /I ⁻ Symporter in Human Thyroid Tissues and Salivary Gland Tissues. , 0, .		49
21	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.	3.2	47
22	Expression, Exon-Intron Organization, and Chromosome Mapping of the Human Sodium Iodide Symporter. , 0, .		46
23	Promoter Characterization of the Rat Na ⁺ /I ⁻ Symporter Gene. <i>Biochemical and Biophysical Research Communications</i> , 1997, 239, 34-41.	1.0	44
24	Promoter Characterization of the Human Na ⁺ /I ⁻ Symporter ¹ . <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 3247-3251.	1.8	43
25	Development of Reverse Transcription-Competitive Polymerase Chain Reaction Method to Quantitate the Expression Levels of Human Sodium Iodide Symporter. <i>Thyroid</i> , 1999, 9, 405-409.	2.4	41
26	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, 170-178.	1.2	39
27	Imaging of metastatic pulmonary tumors following NIS gene transfer using single photon emission computed tomography. <i>Cancer Gene Therapy</i> , 2004, 11, 121-127.	2.2	39
28	PI3K activation is associated with intracellular sodium/iodide symporter protein expression in breast cancer. <i>BMC Cancer</i> , 2007, 7, 137.	1.1	39
29	Exon-Intron Organization in Genes of Earthworm and Vertebrate Globins. <i>Science</i> , 1988, 240, 334-336.	6.0	38
30	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.	1.6	36
31	The roles of phosphotyrosines-294, -404, and -451 in RET/PTC1-induced thyroid tumor formation. <i>Oncogene</i> , 2002, 21, 8166-8172.	2.6	33
32	Identification of in Vivo Phosphorylation Sites and Their Functional Significance in the Sodium Iodide Symporter. <i>Journal of Biological Chemistry</i> , 2007, 282, 36820-36828.	1.6	32
33	microRNA-339-5p modulates Na ⁺ /I ⁻ symporter-mediated radioiodide uptake. <i>Endocrine-Related Cancer</i> , 2015, 22, 11-21.	1.6	32
34	Modulation of thyroidal radioiodide uptake by oncological pipeline inhibitors and Apigenin. <i>Oncotarget</i> , 2015, 6, 31792-31804.	0.8	30
35	Signaling through 3',5'-Cyclic Adenosine Monophosphate and Phosphoinositide-3 Kinase Induces Sodium/Iodide Symporter Expression in Breast Cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 5196-5203.	1.8	27
36	MEK signaling modulates sodium iodide symporter at multiple levels and in a paradoxical manner. <i>Endocrine-Related Cancer</i> , 2007, 14, 421-432.	1.6	26

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37	Modulation of Sodium Iodide Symporter in Thyroid Cancer. <i>Hormones and Cancer</i> , 2014, 5, 363-373.	4.9	25
38	Three-axis rapid steering of optically propelled micro/nanoparticles. <i>Review of Scientific Instruments</i> , 2009, 80, 063107.	0.6	24
39	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, 6131-6140.	1.8	20
40	Regulation of sodium/iodide symporter. , 2000, 1, 205-215.		19
41	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> , 2004, 89, 6168-6172.	1.8	19
42	Risk Factors of ¹³¹ I-Induced Salivary Gland Damage in Thyroid Cancer Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 4085-4093.	1.8	19
43	Direct tip-sample interaction force control for the dynamic mode atomic force microscopy. <i>Applied Physics Letters</i> , 2006, 88, 204102.	1.5	18
44	Quantitative Characterization of Cell Behaviors through Cell Cycle Progression via Automated Cell Tracking. <i>PLoS ONE</i> , 2014, 9, e98762.	1.1	18
45	Apigenin in Combination with Akt Inhibition Significantly Enhances Thyrotropin-Stimulated Radioiodide Accumulation in Thyroid Cells. <i>Thyroid</i> , 2014, 24, 878-887.	2.4	15
46	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.	2.8	15
47	Real-time visual sensing system achieving high-speed 3D particle tracking with nanometer resolution. <i>Applied Optics</i> , 2013, 52, 7530.	0.9	14
48	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, 655.	1.8	14
49	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.	2.4	13
50	Variable Expression of Coxsackie-Adenovirus Receptor in Thyroid Tumors: Implications for Adenoviral Gene Therapy. <i>Thyroid</i> , 2005, 15, 977-987.	2.4	13
51	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, 1181-1188.	2.4	12
52	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, 617-624.	2.4	12
53	MEK inhibition leads to lysosome-mediated Na ⁺ /I ⁻ symporter protein degradation in human breast cancer cells. <i>Endocrine-Related Cancer</i> , 2013, 20, 241-250.	1.6	12
54	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, 2344-2350.	1.8	11

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55	Design and Fabrication of an Active Multiaxis Probing System for High Speed Atomic Force Microscopy. IEEE Nanotechnology Magazine, 2010, 9, 392-399.	1.1	11
56	Na ⁺ /I ⁻ symporter expression, function, and regulation in non-thyroidal tissues and impact on thyroid cancer therapy. Endocrine-Related Cancer, 2021, 28, T167-T177.	1.6	10
57	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. Endocrine-Related Cancer, 2010, 18, 27-37.	1.6	8
58	Risk Haplotypes Uniquely Associated with Radioiodine-Refractory Thyroid Cancer Patients of High African Ancestry. Thyroid, 2019, 29, 530-539.	2.4	8
59	Effect of Exogenous Human Sodium Iodide Symporter Expression on Growth of MATLyLu Cells. Thyroid, 2003, 13, 133-140.	2.4	6
60	Prospects for Redifferentiating Agents in the Use of Radioactive Iodine Therapy for Thyroid Cancer. Thyroid, 2020, 30, 471-473.	2.4	6
61	Ernest L. Mazzaferri, MD, MACP (1936–2013). Thyroid, 2013, 23, 917-923.	2.4	2
62	Iodine: Symporter and Oxidation, Thyroid Hormone Biosynthesis. , 2003, , 517-522.		2
63	Automated MicroSPECT/MicroCT Image Analysis of the Mouse Thyroid Gland. Thyroid, 2017, 27, 1433-1440.	2.4	1
64	Modeling and calibrating nonlinearity and crosstalk in back focal plane interferometry for three-dimensional position detection. Optics Letters, 2017, 42, 3948.	1.7	0
65	Personalized radioiodine therapy for thyroid cancer patients with known disease. Faculty Reviews, 2021, 10, 36.	1.7	0