

# Thierry Pourcher

## List of Publications by Year in descending order

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52  
papers

1,552  
citations

331259

21  
h-index

329751

37  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cation and sugar selectivity determinants in a novel family of transport proteins. <i>Molecular Microbiology</i> , 1996, 19, 911-922.	1.2	174
2	Identification and Characterization of a Putative Human Iodide Transporter Located at the Apical Membrane of Thyrocytes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 3500-3503.	1.8	142
3	Melibiose permease of <i>Escherichia coli</i> : Large scale purification and evidence that H <sup>+</sup> , Na <sup>+</sup> , and Li <sup>+</sup> sugar symport is catalyzed by a single polypeptide. <i>Biochemistry</i> , 1995, 34, 4412-4420.	1.2	104
4	Membrane Topology of the Melibiose Permease of <i>Escherichia coli</i> Studied by MelB <sup>+</sup> phoA Fusion Analysis. <i>Biochemistry</i> , 1996, 35, 4161-4168.	1.2	86
5	The sodium/iodide symporter: State of the art of its molecular characterization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 244-253.	1.4	68
6	Melibiose permease of <i>Escherichia coli</i> : Mutation of aspartic acid 55 in putative helix II abolishes activation of sugar binding by Na <sup>+</sup> ions. <i>Biochemical and Biophysical Research Communications</i> , 1991, 178, 1176-1181.	1.0	57
7	Expression of the Apical Iodide Transporter in Human Thyroid Tissues: A Comparison Study with Other Iodide Transporters. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 1423-1428.	1.8	53
8	Melibiose Permease of <i>Escherichia coli</i> : Substrate-Induced Conformational Changes Monitored by Tryptophan Fluorescence Spectroscopy. <i>Biochemistry</i> , 1995, 34, 6775-6783.	1.2	50
9	Identification and Characterization of a Putative Human Iodide Transporter Located at the Apical Membrane of Thyrocytes. , 0, .		49
10	Phosphorylation of P-glycoprotein by PKA and PKC modulates swelling-activated Cl <sup>-</sup> currents. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 276, C370-C378.	2.1	44
11	Projection structure at 8 Å resolution of the melibiose permease, an Na-sugar co-transporter from <i>Escherichia coli</i> . <i>EMBO Journal</i> , 2002, 21, 3569-3574.	3.5	44
12	Revisiting Iodination Sites in Thyroglobulin with an Organ-oriented Shotgun Strategy. <i>Journal of Biological Chemistry</i> , 2011, 286, 259-269.	1.6	42
13	Immunoanalysis indicates that the sodium iodide symporter is not overexpressed in intracellular compartments in thyroid and breast cancers. <i>European Journal of Endocrinology</i> , 2009, 160, 215-225.	1.9	40
14	Evidence for Intraprotein Charge Transfer during the Transport Activity of the Melibiose Permease from <i>Escherichia coli</i> . <i>Biochemistry</i> , 2001, 40, 13744-13752.	1.2	39
15	Distribution and Dynamics of <sup>99m</sup> Tc-Perchnetate Uptake in the Thyroid and Other Organs Assessed by Single-Photon Emission Computed Tomography in Living Mice. <i>Thyroid</i> , 2010, 20, 519-526.	2.4	33
16	High-Frequency Quantitative Ultrasound Spectroscopy of Excised Canine Livers and Mouse Tumors Using the Structure Factor Model. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2016, 63, 1335-1350.	1.7	33
17	Sugar Binding Induced Charge Translocation in the Melibiose Permease from <i>Escherichia coli</i> . <i>Biochemistry</i> , 2004, 43, 12606-12613.	1.2	27
18	A Carboxy-Terminal Monoleucine-Based Motif Participates in the Basolateral Targeting of the Na <sup>+</sup> /I <sup>-</sup> Symporter. <i>Endocrinology</i> , 2019, 160, 156-168.	1.4	27

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19	Cytoplasmic Loop Connecting Helices IV and V of the Melibiose Permease from Escherichia coli Is Involved in the Process of Na <sup>+</sup> -coupled Sugar Translocation. <i>Journal of Biological Chemistry</i> , 2003, 278, 1518-1524.	1.6	25
20	Irradiation Effects on Polymer-Grafted Gold Nanoparticles for Cancer Therapy. <i>ACS Applied Bio Materials</i> , 2019, 2, 144-154.	2.3	24
21	A 96-Well Automated Radioiodide Uptake Assay for Sodium/Iodide Symporter Inhibitors. <i>Assay and Drug Development Technologies</i> , 2007, 5, 535-540.	0.6	22
22	Small-Molecule Inhibitors of Sodium Iodide Symporter Function. <i>ChemBioChem</i> , 2008, 9, 889-895.	1.3	22
23	Improving <sup>131</sup> I Radioiodine Therapy By Hybrid Polymer-Grafted Gold Nanoparticles. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 7933-7946.	3.3	22
24	Comparison of expressed human and mouse sodium/iodide symporters reveals differences in transport properties and subcellular localization. <i>Journal of Endocrinology</i> , 2008, 197, 95-109.	1.2	21
25	LC-MS based metabolomic profiling for renal cell carcinoma histologic subtypes. <i>Scientific Reports</i> , 2019, 9, 15635.	1.6	21
26	Comparison of unsupervised machine-learning methods to identify metabolomic signatures in patients with localized breast cancer. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1509-1524.	1.9	21
27	Melibiose permease and .alpha.-galactosidase of Escherichia coli: identification by selective labeling using a T7 RNA polymerase/promoter expression system. <i>Biochemistry</i> , 1990, 29, 690-696.	1.2	20
28	Evaluation of tetrafunctional block copolymers as synthetic vectors for lung gene transfer. <i>Biomaterials</i> , 2015, 45, 10-17.	5.7	20
29	Characterization of small-molecule inhibitors of the sodium iodide symporter. <i>Journal of Endocrinology</i> , 2009, 200, 357-365.	1.2	19
30	Characterisation of the purified human sodium/iodide symporter reveals that the protein is mainly present in a dimeric form and permits the detailed study of a native C-terminal fragment. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 65-77.	1.4	19
31	Quantitative phase microscopy for non-invasive live cell population monitoring. <i>Scientific Reports</i> , 2021, 11, 4409.	1.6	19
32	Ingested Ketone Ester Leads to a Rapid Rise of Acetyl-CoA and Competes with Glucose Metabolism in the Brain of Non-Fasted Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 524.	1.8	17
33	A systematic evaluation of sorting motifs in the sodium-iodide symporter (NIS). <i>Biochemical Journal</i> , 2016, 473, 919-928.	1.7	16
34	RGD-functionalized magnetosomes are efficient tumor radioenhancers for X-rays and protons. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 23, 102084.	1.7	15
35	Iodinated Contrast Agents Perturb Iodide Uptake by the Thyroid Independently of Free Iodide. <i>Journal of Nuclear Medicine</i> , 2018, 59, 121-126.	2.8	13
36	Tumor microenvironment affects exogenous sodium/iodide symporter expression. <i>Translational Oncology</i> , 2021, 14, 100937.	1.7	12

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37	The PDZ protein SCRIB regulates sodium/iodide symporter (NIS) expression at the basolateral plasma membrane. <i>FASEB Journal</i> , 2021, 35, e21681.	0.2	12
38	$^{99m}\text{TcO}_4^-$ , Auger-Mediated Thyroid Stunning: Dosimetric Requirements and Associated Molecular Events. <i>PLoS ONE</i> , 2014, 9, e92729.	1.1	12
39	Combined Omic Analyzes of Cerebral Thrombi: A New Molecular Approach to Identify Cardioembolic Stroke Origin. <i>Stroke</i> , 2021, 52, 2892-2901.	1.0	10
40	Normalisation to Blood Activity Is Required for the Accurate Quantification of Na/I Symporter Ectopic Expression by SPECT/CT in Individual Subjects. <i>PLoS ONE</i> , 2012, 7, e34086.	1.1	10
41	Molecular biology and bacterial secondary transporters. <i>Biochimie</i> , 1989, 71, 969-979.	1.3	9
42	Single-Photon Emission Computed Tomography for Preclinical Assessment of Thyroid Radioiodide Uptake Following Various Combinations of Preparative Measures. <i>Thyroid</i> , 2016, 26, 1614-1622.	2.4	8
43	Metabolome of Cerebral Thrombi Reveals an Association between High Glycemia at Stroke Onset and Good Clinical Outcome. <i>Metabolites</i> , 2020, 10, 483.	1.3	8
44	DO MULTIPLE ADMINISTRATIONS OF STABLE IODINE PROTECT POPULATION CHRONICALLY EXPOSED TO RADIOACTIVE IODINE: WHAT IS PRIODAC RESEARCH PROGRAM (2014-2022) TEACHING US?. <i>Radiation Protection Dosimetry</i> , 2018, 182, 67-79.	0.4	7
45	Urinary ketone body loss leads to degeneration of brain white matter in elderly SLC5A8-deficient mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1709-1723.	2.4	6
46	Comparative analysis of the perception of nuclear risk in two populations (expert/non-expert) in France. <i>Energy Reports</i> , 2020, 6, 2288-2298.	2.5	4
47	Proteomic Analysis of Iodinated Contrast Agent-Induced Perturbation of Thyroid Iodide Uptake. <i>Journal of Clinical Medicine</i> , 2020, 9, 329.	1.0	3
48	Polydisperse structure factor model for understanding the ultrasonic scattering from apoptotic cells. , 2016, , .		1
49	Primal-dual for classification with rejection (PD-CR): a novel method for classification and feature selection—an application in metabolomics studies. <i>BMC Bioinformatics</i> , 2021, 22, 594.	1.2	1
50	Comparison between sparse and concentrated scattering models for characterization of cell-pellet biophantoms and excised mouse tumors. , 2016, , .		0
51	Mitotic index determination on live cells from label-free acquired quantitative phase images using a supervised autoencoder. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 1-1.	1.9	0
52	Skin absorption of mixed halide anions from concentrated aqueous solutions. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 166, 105985.	1.9	0