

Lars P Tolbod

List of Publications by Year in descending order

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65
papers

2,173
citations

257450

24
h-index

233421

45
g-index

65
all docs

65
docs citations

65
times ranked

3262
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiovascular Effects of Treatment With the Ketone Body 3-Hydroxybutyrate in Chronic Heart Failure Patients. <i>Circulation</i> , 2019, 139, 2129-2141.	1.6	289
2	Familial Hypercholesterolemia and Atherosclerosis in Cloned Minipigs Created by DNA Transposition of a Human <i>PCSK9</i> Gain-of-Function Mutant. <i>Science Translational Medicine</i> , 2013, 5, 166ra1.	12.4	170
3	Ketone Body Infusion With 3-Hydroxybutyrate Reduces Myocardial Glucose Uptake and Increases Blood Flow in Humans: A Positron Emission Tomography Study. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	144
4	Optical detection of singlet oxygen from single cells. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4280.	2.8	123
5	Time-resolved Singlet Oxygen Phosphorescence Measurements from Photosensitized Experiments in Single Cells: Effects of Oxygen Diffusion and Oxygen Concentration. <i>Photochemistry and Photobiology</i> , 2008, 84, 1284-1290.	2.5	119
6	Singlet Oxygen Microscope: From Phase-Separated Polymers to Single Biological Cells. <i>Accounts of Chemical Research</i> , 2004, 37, 894-901.	15.6	75
7	Photosensitized production of singlet oxygen: spatially-resolved optical studies in single cells. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 442-452.	2.9	66
8	Three-Dimensional Energy Transport in Highly Luminescent Host-Guest Crystals: A Quantitative Experimental and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2007, 129, 8585-8593.	13.7	62
9	Direct Optical Detection of Singlet Oxygen from a Single Cell. <i>Photochemistry and Photobiology</i> , 2004, 79, 319.	2.5	60
10	Conifer fibers as reinforcing materials for polypropylene-based composites. <i>Journal of Applied Polymer Science</i> , 2001, 80, 2833-2841.	2.6	47
11	Influence of an Intermolecular Charge-Transfer State on Excited-State Relaxation Dynamics: Solvent Effect on the Methylanthalene-Oxygen System and its Significance for Singlet Oxygen Production. <i>Journal of Physical Chemistry A</i> , 2009, 113, 9965-9973.	2.5	41
12	Singlet Oxygen Images of Heterogeneous Samples: Examining the Effect of Singlet Oxygen Diffusion across the Interfacial Boundary in Phase-Separated Liquids and Polymers. <i>Langmuir</i> , 2003, 19, 8927-8933.	3.5	40
13	Design of π -Conjugated Organic Materials for One-Dimensional Energy Transport in Nanochannels. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4872-4880.	2.6	40
14	A randomised, double-blind, placebo-controlled trial of metformin on myocardial efficiency in insulin-resistant chronic heart failure patients without diabetes. <i>European Journal of Heart Failure</i> , 2020, 22, 1628-1637.	7.1	39
15	Oxygen Diffusion in Glassy Polymer Films: Effects of Other Gases and Changes in Pressure. <i>Journal of Physical Chemistry A</i> , 2000, 104, 2573-2580.	2.5	38
16	A Singlet Oxygen Image with 2.5 μ m Resolution. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8488-8490.	2.5	34
17	Oxygen Diffusion in Copolymers of Ethylene and Norbornene. <i>Macromolecules</i> , 2003, 36, 7189-7198.	4.8	33
18	Effect of Polymer Cross-Links on Oxygen Diffusion in Glassy PMMA Films. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 661-667.	8.0	32

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19	Metoprolol Reduces Hemodynamic and Metabolic Overload in Asymptomatic Aortic Valve Stenosis Patients. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	32
20	Heart failure patients with prediabetes and newly diagnosed diabetes display abnormalities in myocardial metabolism. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 169-176.	2.1	32
21	SGLT2 Inhibition Does Not Affect Myocardial Fatty Acid Oxidation or Uptake, but Reduces Myocardial Glucose Uptake and Blood Flow in Individuals With Type 2 Diabetes: A Randomized Double-Blind, Placebo-Controlled Crossover Trial. <i>Diabetes</i> , 2021, 70, 800-808.	0.6	32
22	Nanometric scale investigation of the nonlinear efficiency of perhydrotriphenylene inclusion compounds. <i>Chemical Physics</i> , 2005, 318, 12-20.	1.9	29
23	Noninvasive Detection of Cardiac Allograft Vasculopathy by Stress Exercise Echocardiographic Assessment of Myocardial Deformation. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 480-490.	2.8	29
24	Inotropic myocardial reserve deficiency is the predominant feature of exercise haemodynamics in cardiac amyloidosis. <i>European Journal of Heart Failure</i> , 2017, 19, 1457-1465.	7.1	29
25	¹⁸ Fluorodeoxyglucose Accumulation in Arterial Tissues Determined by PET Signal Analysis. <i>Journal of the American College of Cardiology</i> , 2019, 74, 1220-1232.	2.8	26
26	Automatic calculation of myocardial external efficiency using a single ¹¹ C-acetate PET scan. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1937-1944.	2.1	25
27	Myocardial Oxygen Consumption and Efficiency in Aortic Valve Stenosis Patients With and Without Heart Failure. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	24
28	Myocardial Oxygen Consumption and Efficiency in Patients With Cardiac Amyloidosis. <i>Journal of the American Heart Association</i> , 2018, 7, e009974.	3.7	24
29	Complete somatostatin-induced insulin suppression combined with heparin loading does not significantly suppress myocardial ¹⁸ F-FDG uptake in patients with suspected cardiac sarcoidosis. <i>Journal of Nuclear Cardiology</i> , 2013, 20, 1108-1115.	2.1	23
30	Whole-Body Biodistribution, Dosimetry, and Metabolite Correction of [¹¹ C]Palmitate: A PET Tracer for Imaging of Fatty Acid Metabolism. <i>Molecular Imaging</i> , 2017, 16, 153601211773448.	1.4	23
31	Quantitative Tumor Perfusion Imaging with ⁸² Rb PET/CT in Prostate Cancer: Analytic and Clinical Validation. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1059-1065.	5.0	23
32	Theoretical Characterization and Design of End-Substituted Distyrylbenzenes as Excitation Shuttles in One-Dimensional Channels. <i>Advanced Materials</i> , 2004, 16, 1193-1197.	21.0	22
33	Oxygen Diffusion in Bilayer Polymer Films. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13885-13891.	2.6	21
34	Spatial Control of 3D Energy Transfer in Supramolecular Nanostructured Host-Guest Architectures. <i>Journal of Physical Chemistry B</i> , 2009, 113, 10566-10570.	2.6	21
35	Oligophenylenevinylenes in Spatially Confined Nanochannels: Monitoring Intermolecular Interactions by UV/Vis and Raman Spectroscopy. <i>Advanced Functional Materials</i> , 2008, 18, 915-921.	14.9	20
36	Treatment with a human recombinant monoclonal IgG antibody against oxidized LDL in atherosclerosis-prone pigs reduces cathepsin S in coronary lesions. <i>International Journal of Cardiology</i> , 2016, 215, 506-515.	1.7	20

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37	Photoinduced Degradation of the Herbicide Clomazone Model Reactions for Natural and Technical Systems. <i>Photochemistry and Photobiology</i> , 2009, 85, 686-692.	2.5	18
38	Automatic extraction of forward stroke volume using dynamic PET/CT: a dual-tracer and dual-scanner validation in patients with heart valve disease. <i>EJNMMI Physics</i> , 2015, 2, 25.	2.7	18
39	Metformin does not affect postabsorptive hepatic free fatty acid uptake, oxidation or resecretion in humans: A 3-month placebo-controlled clinical trial in patients with type 2 diabetes and healthy controls. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1435-1444.	4.4	18
40	Effect of liraglutide on myocardial glucose uptake and blood flow in stable chronic heart failure patients: A double-blind, randomized, placebo-controlled LIVE sub-study. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 585-597.	2.1	18
41	Evaluation of ECG-gated [11C]acetate PET for measuring left ventricular volumes, mass, and myocardial external efficiency. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 670-679.	2.1	17
42	Abnormal Coronary Flow Velocity Reserve and Decreased Myocardial Contractile Reserve Are Main Factors in Relation to Physical Exercise Capacity in Cardiac Amyloidosis. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 71-78.	2.8	17
43	Test-retest repeatability of myocardial oxidative metabolism and efficiency using standalone dynamic 11C-acetate PET and multimodality approaches in healthy controls. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1929-1936.	2.1	15
44	Automatic Extraction of Myocardial Mass and Volume Using Parametric Images from Dynamic Nongated PET. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1382-1387.	5.0	14
45	Clinical features, exercise hemodynamics, and determinants of left ventricular elevated filling pressure in heart-transplanted patients. <i>Transplant International</i> , 2016, 29, 196-206.	1.6	13
46	Diet-Induced Abdominal Obesity, Metabolic Changes, and Atherosclerosis in Hypercholesterolemic Minipigs. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-12.	2.3	12
47	Effect of remote ischemic conditioning on myocardial perfusion in patients with suspected ischemic coronary artery disease. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 887-896.	2.1	10
48	Spatial and Temporal Electrochemical Control of Singlet Oxygen Production and Decay in Photosensitized Experiments. <i>Langmuir</i> , 2008, 24, 1070-1079.	3.5	9
49	Ischemic heart failure mortality is not predicted by cardiac insulin resistance but by diabetes per se and coronary flow reserve: A retrospective dynamic cardiac 18F-FDG PET study. <i>Metabolism: Clinical and Experimental</i> , 2021, 123, 154862.	3.4	9
50	Characterizing the Behavior and Properties of an Excited Electronic State: Electron-Transfer Mediated Quenching of Fluorescence. <i>Journal of Chemical Education</i> , 2003, 80, 819.	2.3	8
51	Reverse Mismatch Pattern in Cardiac 18F-FDG Viability PET/CT Is Not Associated With Poor Outcome of Revascularization. <i>Clinical Nuclear Medicine</i> , 2016, 41, e428-e435.	1.3	8
52	Myocardial Viability Testing by Positron Emission Tomography: Basic Concepts, Mini-Review of the Literature and Experience From a Tertiary PET Center. <i>Seminars in Nuclear Medicine</i> , 2020, 50, 248-259.	4.6	8
53	Myocardial efficiency in patients with different aetiologies and stages of heart failure. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 328-337.	1.2	8
54	Non-invasive quantification of tumor blood flow in prostate cancer using O-HO PET/CT. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 8, 292-302.	1.0	7

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55	Levosimendan improves cardiac function and myocardial efficiency in rats with right ventricular failure. <i>Pulmonary Circulation</i> , 2018, 8, 1-7.	1.7	6
56	Tumour blood flow for prediction of human prostate cancer aggressiveness: a study with Rubidium-82 PET, MRI and Na ⁺ /K ⁺ -ATPase-density. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 532-542.	6.4	6
57	Repeatability of tumor blood flow quantification with 82Rubidium PET/CT in prostate cancer – A test-retest study. <i>EJNMMI Research</i> , 2019, 9, 58.	2.5	5
58	Potential synergy between PSMA uptake and tumour blood flow for prediction of human prostate cancer aggressiveness. <i>EJNMMI Research</i> , 2021, 11, 12.	2.5	5
59	Right ventricular hemodynamics and performance in relation to perfusion during first year after heart transplantation. <i>ESC Heart Failure</i> , 2021, 8, 4018-4025.	3.1	5
60	The relationship between tumor aggressiveness and cholinergic PET imaging in prostate cancer tissue. A proof-of-concept study. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 9, 185-192.	1.0	4
61	Influence of a novel castor oil derived additive on the mechanical properties and oxygen diffusivity of polystyrene. <i>Journal of Applied Polymer Science</i> , 2010, 118, 1643-1650.	2.6	2
62	Renal Potassium Excretion Visualized on 82Rubidium PET/CT. <i>Nuclear Medicine and Molecular Imaging</i> , 2020, 54, 120-122.	1.0	2
63	Tissue volume and activity mapping using total intensity projection of PET/CT images. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 9, 1-11.	1.0	2
64	Quantitative applications in positron emission tomography achieved through signal modelling. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 9, 140-155.	1.0	1
65	A CT-, PET- and MR-imaging-compatible hyperbaric pressure chamber for baromedical research. <i>Diving and Hyperbaric Medicine</i> , 2015, 45, 247-54.	0.5	1