Lars Christian Gormsen

List of Publications by Year in descending order

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109 papers 3,248 citations

147801 31 h-index 52 g-index

114 all docs

 $\begin{array}{c} 114 \\ \text{docs citations} \end{array}$

times ranked

114

4464 citing authors

#	Article	IF	CITATIONS
1	Cardiovascular Effects of Treatment With the Ketone Body 3-Hydroxybutyrate in Chronic Heart Failure Patients. Circulation, 2019, 139, 2129-2141.	1.6	289
2	Three days of high-dose glucocorticoid treatment attenuates large-vessel 18F-FDG uptake in large-vessel giant cell arteritis but with a limited impact on diagnostic accuracy. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1119-1128.	6.4	159
3	Ketone Body Infusion With 3â€Hydroxybutyrate Reduces Myocardial Glucose Uptake and Increases Blood Flow in Humans: A Positron Emission Tomography Study. Journal of the American Heart Association, 2017, 6, .	3.7	144
4	Ghrelin Infusion in Humans Induces Acute Insulin Resistance and Lipolysis Independent of Growth Hormone Signaling. Diabetes, 2008, 57, 3205-3210.	0.6	138
5	Clinical Use of Coronary CTA–Derived FFRÂfor Decision-Making in Stable CAD. JACC: Cardiovascular Imaging, 2017, 10, 541-550.	5.3	126
6	A dual tracer 68Ga-DOTANOC PET/CT and 18F-FDG PET/CT pilot study for detection of cardiac sarcoidosis. EJNMMI Research, 2016, 6, 52.	2.5	112
7	In Vivo Imaging of Human $<$ sup $>$ 11 $<$ /sup $>$ C-Metformin in Peripheral Organs: Dosimetry, Biodistribution, and Kinetic Analyses. Journal of Nuclear Medicine, 2016, 57, 1920-1926.	5.0	106
8	Constant intravenous ghrelin infusion in healthy young men: clinical pharmacokinetics and metabolic effects. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1829-E1836.	3.5	87
9	Diagnostic Performance of Coronary CTÂAngiography and Myocardial PerfusionÂlmaging in Kidney Transplantation Candidates. JACC: Cardiovascular Imaging, 2015, 8, 553-562.	5.3	85
10	Growth hormone-induced insulin resistance is associated with increased intramyocellular triglyceride content but unaltered VLDL-triglyceride kinetics. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E920-E927.	3.5	84
11	Simple dichotomous assessment of cranial artery inflammation by conventional 18F-FDG PET/CT shows high accuracy for the diagnosis of giant cell arteritis: a case-control study. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 184-193.	6.4	81
12	[11C]-Labeled Metformin Distribution in the Liver and Small Intestine Using Dynamic Positron Emission Tomography in Mice Demonstrates Tissue-Specific Transporter Dependency. Diabetes, 2016, 65, 1724-1730.	0.6	69
13	Bile acid malabsorption investigated by selenium-75-homocholic acid taurine (75SeHCAT) scans: Causes and treatment responses to cholestyramine in 298 patients with chronic watery diarrhoea. European Journal of Internal Medicine, 2011, 22, e137-e140.	2.2	62
14	Regional cerebral effects of ketone body infusion with 3-hydroxybutyrate in humans: Reduced glucose uptake, unchanged oxygen consumption and increased blood flow by positron emission tomography. A randomized, controlled trial. PLoS ONE, 2018, 13, e0190556.	2. 5	59
15	Growth Hormone Signaling in Vivo in Human Muscle and Adipose Tissue: Impact of Insulin, Substrate Background, and Growth Hormone Receptor Blockade. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 2842-2850.	3.6	58
16	Limitations and Pitfalls of FDG-PET/CT in Infection and Inflammation. Seminars in Nuclear Medicine, 2021, 51, 633-645.	4.6	58
17	Human skeletal muscle CD90+ fibro-adipogenic progenitors are associated with muscle degeneration in type 2 diabetic patients. Cell Metabolism, 2021, 33, 2201-2214.e10.	16.2	54
18	Utility of interim and endâ€ofâ€treatment PET/CT in peripheral Tâ€cell lymphomas: A review of 124 patients. American Journal of Hematology, 2015, 90, 975-980.	4.1	51

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19	Basal and Insulin Mediated VLDL-Triglyceride Kinetics in Type 2 Diabetic Men. Diabetes, 2011, 60, 88-96.	0.6	48
20	PET/CT for Staging; Past, Present, and Future. Seminars in Nuclear Medicine, 2018, 48, 4-16.	4.6	48
21	Impact of radiation dose and standardized uptake value of (18)FDG PET on nodal control in locally advanced cervical cancer. Acta Oncológica, 2015, 54, 1567-1573.	1.8	47
22	Effects of exercise on VLDL-triglyceride oxidation and turnover. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E939-E944.	3.5	46
23	Metformin increases endogenous glucose production in non-diabetic individuals and individuals with recent-onset type 2 diabetes. Diabetologia, 2019, 62, 1251-1256.	6.3	43
24	Free fatty acids decrease circulating ghrelin concentrations in humans. European Journal of Endocrinology, 2006, 154, 667-673.	3.7	41
25	Diagnostic accuracy of ultrasound for detecting large-vessel giant cell arteritis using FDG PET/CT as the reference. Rheumatology, 2020, 59, 2062-2073.	1.9	41
26	Prognostic Value of Risk Factors, CalciumÂScore, Coronary CTA, MyocardialÂPerfusion Imaging, and InvasiveÂCoronary Angiography in KidneyÂTransplantation Candidates. JACC: Cardiovascular Imaging, 2018, 11, 842-854.	5. 3	39
27	Increased VLDL-Triglyceride Secretion Precedes Impaired Control of Endogenous Glucose Production in Obese, Normoglycemic Men. Diabetes, 2011, 60, 2257-2264.	0.6	37
28	Serum Ghrelin Levels Are Increased in Hypothyroid Patients and Become Normalized by I-Thyroxine Treatment. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 2277-2280.	3.6	36
29	Metformin targets brown adipose tissue in vivo and reduces oxygen consumption in vitro. Diabetes, Obesity and Metabolism, 2018, 20, 2264-2273.	4.4	35
30	Energy expenditure, insulin, and VLDL-triglyceride production in humans. Journal of Lipid Research, 2006, 47, 2325-2332.	4.2	34
31	Estradiol acutely inhibits whole body lipid oxidation and attenuates lipolysis in subcutaneous adipose tissue: a randomized, placebo-controlled study in postmenopausal women. European Journal of Endocrinology, 2012, 167, 543-551.	3.7	34
32	Clinical feasibility and impact of fully automated multiparametric PET imaging using direct Patlak reconstruction: evaluation of 103 dynamic whole-body 18F-FDG PET/CT scans. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 837-850.	6.4	34
33	Simvastatin Reduces Plasma Osteoprotegerin in Type 2 Diabetic Patients With Microalbuminuria. Diabetes Care, 2007, 30, 3122-3124.	8.6	33
34	Measuring VLDL-triglyceride turnover in humans using ex vivo-prepared VLDL tracer. Journal of Lipid Research, 2006, 47, 99-106.	4.2	32
35	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. Diabetes, 2021, 70, 800-808.	0.6	32
36	Impact of body composition on very-low-density lipoprotein-triglycerides kinetics. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E165-E173.	3. 5	28

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37	VLDL-TG kinetics: a dual isotope study for quantifying VLDL-TG pool size, production rates, and fractional oxidation in humans. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E1324-E1330.	3.5	27
38	Effects of free fatty acids, growth hormone and growth hormone receptor blockade on serum ghrelin levels in humans. Clinical Endocrinology, 2007, 66, 641-645.	2.4	26
39	Independent Effects of Testosterone on Lipid Oxidation and VLDL-TG Production. Diabetes, 2013, 62, 1409-1416.	0.6	26
40	Exercise and Fasting Activate Growth Hormone-Dependent Myocellular Signal Transducer and Activator of Transcription-5b Phosphorylation and Insulin-Like Growth Factor-I Messenger Ribonucleic Acid Expression in Humans. Journal of Clinical Endocrinology and Metabolism, 2010, 95, E64-E68.	3.6	25
41	Complete somatostatin-induced insulin suppression combined with heparin loading does not significantly suppress myocardial 18F-FDG uptake in patients with suspected cardiac sarcoidosis. Journal of Nuclear Cardiology, 2013, 20, 1108-1115.	2.1	23
42	Impact of ^{18 < sup>F-fluorodeoxyglucose positron emission tomography/computed tomography staging in newly diagnosed classical Hodgkin lymphoma: fewer cases with stage I disease and more with skeletal involvement. Leukemia and Lymphoma, 2014, 55, 2349-2355.}	1.3	23
43	Myocardial Perfusion Imaging Versus Computed Tomography Angiography–Derived Fractional Flow Reserve Testing in Stable Patients With Intermediateâ€Range Coronary Lesions: Influence on Downstream Diagnostic Workflows and Invasive Angiography Findings. Journal of the American Heart Association. 2017. 6	3.7	23
44	Whole-Body Biodistribution, Dosimetry, and Metabolite Correction of [¹¹ C]Palmitate: A PET Tracer for Imaging of Fatty Acid Metabolism. Molecular Imaging, 2017, 16, 153601211773448.	1.4	23
45	Thyroid hormone increases mannan-binding lectin levels. European Journal of Endocrinology, 2005, 153, 643-649.	3.7	22
46	Free Fatty Acids Inhibit Growth Hormone/Signal Transducer and Activator of Transcription-5 Signaling in Human Muscle: A Potential Feedback Mechanism. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 2204-2207.	3 . 6	21
47	Intravenous and oral copper kinetics, biodistribution and dosimetry in healthy humans studied by [64Cu]copper PET/CT. EJNMMI Radiopharmacy and Chemistry, 2020, 5, 15.	3.9	21
48	Decreased Lipid Intermediate Levels and Lipid Oxidation Rates Despite Normal Lipolysis in Patients with Hypothyroidism. Thyroid, 2010, 20, 843-849.	4.5	19
49	Using positron emission tomography to study human ketone body metabolism: A review. Metabolism: Clinical and Experimental, 2014, 63, 1375-1384.	3.4	19
50	Acute and Short-term Chronic Testosterone Fluctuation Effects on Glucose Homeostasis, Insulin Sensitivity, and Adiponectin: A Randomized, Double-Blind, Placebo-Controlled, Crossover Study. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E1088-E1096.	3.6	19
51	Hepatic exposure of metformin in patients with nonâ€alcoholic fatty liver disease. British Journal of Clinical Pharmacology, 2019, 85, 1761-1770.	2.4	19
52	Postabsorptive VLDLâ€₹G Fatty Acid Storage in Adipose Tissue in Lean and Obese Women. Obesity, 2010, 18, 1304-1311.	3.0	18
53	Metformin does not affect postabsorptive hepatic free fatty acid uptake, oxidation or resecretion in humans: A 3â€month placeboâ€controlled clinical trial in patients with type 2 diabetes and healthy controls. Diabetes, Obesity and Metabolism, 2018, 20, 1435-1444.	4.4	18
54	Normal values for 18F-FDG uptake in organs and tissues measured by dynamic whole body multiparametric FDG PET in 126 patients. EJNMMI Research, 2022, 12, 15.	2.5	17

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55	Successful Prediction of Positron Emission Tomography–Imaged Metformin Hepatic Uptake Clearance in Humans Using the Quantitative Proteomics–Informed Relative Expression Factor Approach. Drug Metabolism and Disposition, 2020, 48, 1210-1216.	3.3	15
56	The pathophysiology of Wilson's disease visualized: AÂhuman 64Cu PET study. Hepatology, 2022, 75, 1461-1470.	7.3	15
57	Effects of SGLT2 inhibition on lipid transport in adipose tissue in type 2 diabetes. Endocrine Connections, 2022, 11, .	1.9	15
58	Impaired Insulinâ€Mediated Antilipolysis and Lactate Release in Adipose Tissue of Upperâ€Body Obese Women. Obesity, 2012, 20, 57-64.	3.0	14
59	Increased VLDL-TG Fatty Acid Storage in Skeletal Muscle in Men With Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 831-839.	3.6	14
60	Cholinergic PET imaging in infections and inflammation using $11\mathrm{C}$ -donepezil and $18\mathrm{F}$ -FEOBV. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 449-458.	6.4	14
61	Metformin Biodistribution: A Key to Mechanisms of Action?. Journal of Clinical Endocrinology and Metabolism, 2020, 105, .	3.6	14
62	Danish study of Non-Invasive testing in Coronary Artery Disease 2 (Dan-NICAD 2): Study design for a controlled study of diagnostic accuracy. American Heart Journal, 2019, 215, 114-128.	2.7	13
63	Similar VLDL-TG Storage in Visceral and Subcutaneous Fat in Obese and Lean Women. Diabetes, 2011, 60, 2787-2791.	0.6	12
64	Ketogenic Diet and Cardiac Substrate Metabolism. Nutrients, 2022, 14, 1322.	4.1	12
65	Coronary Calcium Score May Replace Cardiovascular Risk Factors as Primary Risk Stratification Tool Before Kidney Transplantation. Transplantation, 2016, 100, 2177-2187.	1.0	11
66	Ketone Body Infusion Increases Circulating Erythropoietin and Bone Marrow Glucose Uptake. Diabetes Care, 2018, 41, e152-e154.	8.6	11
67	Preâ€treatment total metabolic tumour volumes in lymphoma: Does quantity matter?. British Journal of Haematology, 2022, 197, 139-155.	2.5	11
68	18F-Fluorodeoxyglucose PET/Computed Tomography in the Diagnosis and Monitoring of Giant Cell Arteritis. PET Clinics, 2020, 15, 135-145.	3.0	10
69	The Combination of Pixantrone, Etoposide, Bendamustine and, in CD20+ Tumors, Rituximab (PREBEN) Shows Promising Feasibility/Efficacy in Heavily Pre-Treated Aggressive Lymphomas of B- and T-Cell Phenotype - Results of the Pre-Trial Experience Leading to a Nordic Phase 1/2 Study (the PREBEN Trial). Blood, 2016, 128, 1782-1782.	1.4	10
70	Oral lactate slows gastric emptying and suppresses appetite in young males. Clinical Nutrition, 2022, 41, 517-525.	5.0	10
71	A comparative study of standardized quantitative and visual assessment for predicting tumor volume and outcome in newly diagnosed diffuse large B-cell lymphoma staged with 18F-FDG PET/CT. EJNMMI Research, 2019, 9, 36.	2.5	9
72	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. Metabolism: Clinical and Experimental, 2021, 123, 154862.	3.4	9

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73	Reduced Expression of Uncoupling Protein 2 in Adipose Tissue in Patients with Hypothyroidism. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 3537-3541.	3.6	8
74	Reverse Mismatch Pattern in Cardiac 18F-FDG Viability PET/CT Is Not Associated With Poor Outcome of Revascularization. Clinical Nuclear Medicine, 2016, 41, e428-e435.	1.3	8
75	Focal skeletal <scp>FDG</scp> uptake indicates poor prognosis in <scp>cHL</scp> regardless of extent and firstâ€ine chemotherapy. British Journal of Haematology, 2019, 186, 431-439.	2.5	8
76	Myocardial Viability Testing by Positron Emission Tomography: Basic Concepts, Mini-Review of the Literature and Experience From a Tertiary PET Center. Seminars in Nuclear Medicine, 2020, 50, 248-259.	4.6	8
77	Myocardial efficiency in patients with different aetiologies and stages of heart failure. European Heart Journal Cardiovascular Imaging, 2022, 23, 328-337.	1.2	8
78	Lean body mass, not FFA, predicts VLDL-TG secretion rate in healthy men. Obesity, 2015, 23, 1379-1385.	3.0	7
79	Acute Hyperketonemia Does Not Affect Glucose or Palmitate Uptake in Abdominal Organs or Skeletal Muscle. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 1785-1790.	3.6	7
80	Acute estrogen exposure does not affect basal very low-density lipoprotein–triglyceride production or oxidation in postmenopausal women. European Journal of Endocrinology, 2010, 163, 421-426.	3.7	6
81	Effect of Recent Contrast-Enhanced CT and Patient Age on Image Quality of Thyroid Scintigraphy. Clinical Nuclear Medicine, 2015, 40, 297-302.	1.3	6
82	Concomitant Polymyalgia Rheumatica and Large-Vessel Vasculitis Visualized on 18F-FDG PET/CT. Diagnostics, 2018, 8, 27.	2.6	6
83	Preliminary Clinical Experience on the Efficacy and Feasibility of a New Combination Regimen Consisting of Pixantrone, Etoposide, and Bendamustine with or without the Addition of Rituximab in Patients with Relapsed/Refractory Aggressive Non-Hodgkin Lymphomas. Blood, 2014, 124, 5435-5435.	1.4	6
84	Quantitative PET of liver functions. American Journal of Nuclear Medicine and Molecular Imaging, 2018, 8, 73-85.	1.0	6
85	Clinical feasibility and impact of data-driven respiratory motion compensation studied in 200 whole-body 18F-FDG PET/CT scans. EJNMMI Research, 2022, 12, 16.	2.5	6
86	Active ulcerative colitis diagnosed by 18F-FDG PET/CT in an anti-TNF alpha treated patient with no visible luminal lesions on colonoscopy. International Journal of Colorectal Disease, 2014, 29, 643-644.	2.2	5
87	Patient Preparation and Patient-related Challenges with FDG-PET/CT in Infectious and Inflammatory Disease. PET Clinics, 2020, 15, 125-134.	3.0	5
88	Self-limiting reactive disease mimicking polymyalgia rheumatica following Moderna COVID-19 vaccine. Scandinavian Journal of Rheumatology, 2022, 51, 411-413.	1.1	5
89	Challenging but Clinically Useful: Fluorodeoxyglucose PET/Computed Tomography in Inflammatory and Infectious Diseases. PET Clinics, 2020, 15, xi-xii.	3.0	4
90	Metformin is distributed to tumor tissue in breast cancer patients in vivo: A 11C-metformin PET/CT study. Breast Cancer Research and Treatment, 2020, 181, 107-113.	2.5	3

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91	Hepatic bile acid transport increases in the postprandial state: AÂfunctional 11C-CSar PET/CT study in healthy humans. JHEP Reports, 2021, 3, 100288.	4.9	3
92	Prognostic value of myocardial perfusion imaging after first-line coronary computed tomography angiography: A multi-center cohort study. Journal of Cardiovascular Computed Tomography, 2022, 16, 34-40.	1.3	3
93	Using FDG-PET/CT to Detect Vascular Inflammation in Patients with Psoriasis: Where to Look? And for What??. Journal of Investigative Dermatology, 2017, 137, 2236-2237.	0.7	2
94	Imaging in Pharmacogenetics. Advances in Pharmacology, 2018, 83, 95-107.	2.0	2
95	Cardiac hypoxic resistance and decreasing lactate during maximum apnea in elite breath hold divers. Scientific Reports, 2021, 11, 2545.	3.3	2
96	Extreme Hypoxia Causing Brady-Arrythmias During Apnea in Elite Breath-Hold Divers. Frontiers in Physiology, 2021, 12, 712573.	2.8	2
97	Noninvasive Fractional Flow Reserve for the Diagnosis of Lesion-specific Ischemia: A Case Example. Journal of Clinical Imaging Science, 2015, 5, 3.	1.1	1
98	3-Hydroxybutyrate administration elevates plasma parathyroid hormone in a pilot human randomized, controlled, cross over trial. Bone, 2021, 153, 116166.	2.9	1
99	Incidental <scp>FDG</scp> â€Avid Focuses in Palatine Tonsils on <scp>PET</scp> / <scp>CT</scp> . Laryngoscope, 2022, 132, 2370-2378.	2.0	1
100	Clinical use of cardiac 18ÂF-FDG viability PET: a retrospective study of 44 patients undergoing post-test revascularization. International Journal of Cardiovascular Imaging, 2022, 38, 2447-2458.	0.6	1
101	Reply to Russell: VLDL-TG kinetics: how to interpret a dual-isotope study. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E253-E253.	3.5	О
102	The Authors Reply:. JACC: Cardiovascular Imaging, 2016, 9, 329-330.	5.3	0
103	Classical Hodgkin Lymphoma Presenting with Severe, Recurrent Hypothermic Episodes. Case Reports in Hematology, 2018, 2018, 1-3.	0.4	O
104	Value of detecting bone marrow involvement in Hodgkin lymphoma ―Response to Adams and Kwee. British Journal of Haematology, 2019, 187, 396-397.	2.5	0
105	The International Prognostic Index Predicts Outcome In Patients With Untreated Nodal Peripheral T-Cell Lymphomas Staged With PET/CT. Blood, 2013, 122, 5077-5077.	1.4	O
106	Diffusely Increased Bone Marrow 18F-FDG Uptake Is an Independent Predictor of Focal Bone Lesions in Patients with Newly Diagnosed Classical Hodgkin Lymphoma. Blood, 2014, 124, 5360-5360.	1.4	0
107	PCI of LAD Improved Inferoseptal Perfusion in RCA CTO Patient. Journal of Coronary Artery Disease, 2020, 26, 44-47.	0.3	0
108	Comment on: Diagnostic accuracy of ultrasound for detecting large vessel giant cell arteritis using FDG PET/CT as the reference: reply. Rheumatology, 2021, 60, e67-e68.	1.9	0

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109	Acetylcholinesterase-associated inflammation in patients with giant cell arteritis. Evaluation by histology and 11C-donepezil PET/CT. Clinical and Experimental Rheumatology, 2019, 37 Suppl 117, 20-25.	0.8	0