

Johannes W Dietrich

List of Publications by Year in descending order

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82
papers

2,478
citations

218677

26
h-index

223800

46
g-index

97
all docs

97
docs citations

97
times ranked

2375
citing authors

#	ARTICLE	IF	CITATIONS
1	Selenium Supplementation in Patients with Autoimmune Thyroiditis Decreases Thyroid Peroxidase Antibodies Concentrations. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 1687-1691.	3.6	304
2	Thyroid Allostasis—Adaptive Responses of Thyrotropic Feedback Control to Conditions of Strain, Stress, and Developmental Programming. <i>Frontiers in Endocrinology</i> , 2017, 8, 163.	3.5	132
3	Higher incidence of esophageal lesions after ablation of atrial fibrillation related to the use of esophageal temperature probes. <i>Heart Rhythm</i> , 2015, 12, 1464-1469.	0.7	113
4	Calculated Parameters of Thyroid Homeostasis: Emerging Tools for Differential Diagnosis and Clinical Research. <i>Frontiers in Endocrinology</i> , 2016, 7, 57.	3.5	113
5	Homeostatic Control of the Thyroid—Pituitary Axis: Perspectives for Diagnosis and Treatment. <i>Frontiers in Endocrinology</i> , 2015, 6, 177.	3.5	108
6	TSH and Thyrotropic Agonists: Key Actors in Thyroid Homeostasis. <i>Journal of Thyroid Research</i> , 2012, 2012, 1-29.	1.3	104
7	Nonthyroidal Illness Syndrome in Cardiac Illness Involves Elevated Concentrations of 3,5-Diiodothyronine and Correlates with Atrial Remodeling. <i>European Thyroid Journal</i> , 2015, 4, 129-137.	2.4	67
8	The proteomic signature of insulin-resistant human skeletal muscle reveals increased glycolytic and decreased mitochondrial enzymes. <i>Diabetologia</i> , 2012, 55, 1114-1127.	6.3	66
9	Homeostatic equilibria between free thyroid hormones and pituitary thyrotropin are modulated by various influences including age, body mass index and treatment. <i>Clinical Endocrinology</i> , 2014, 81, 907-915.	2.4	64
10	Recent Advances in Thyroid Hormone Regulation: Toward a New Paradigm for Optimal Diagnosis and Treatment. <i>Frontiers in Endocrinology</i> , 2017, 8, 364.	3.5	55
11	The Parathyroid as a Target for Radiation Damage. <i>New England Journal of Medicine</i> , 2011, 365, 676-678.	27.0	49
12	Bridge Technology with TSH Receptor Chimera for Sensitive Direct Detection of TSH Receptor Antibodies Causing Graves' Disease: Analytical and Clinical Evaluation. <i>Hormone and Metabolic Research</i> , 2015, 47, 880-888.	1.5	49
13	Generation of Novel Single-Chain Antibodies by Phage-Display Technology to Direct Imaging Agents Highly Selective to Pancreatic β^2 - or β^1 -Cells In Vivo. <i>Diabetes</i> , 2009, 58, 2324-2334.	0.6	48
14	Is pituitary TSH an adequate measure of thyroid hormone-controlled homeostasis during thyroxine treatment?. <i>European Journal of Endocrinology</i> , 2013, 168, 271-280.	3.7	48
15	Integration of Peripheral and Glandular Regulation of Triiodothyronine Production by Thyrotropin in Untreated and Thyroxine-Treated Subjects. <i>Hormone and Metabolic Research</i> , 2015, 47, 674-680.	1.5	45
16	Correlation Between Total Atrial Conduction Time Estimated via Tissue Doppler Imaging (PA-ETDI) and Left Atrial Volume. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 626-631.	1.7	44
17	Abnormal thyroid function is common in takotsubo syndrome and depends on two distinct mechanisms: results of a multicentre observational study. <i>Journal of Internal Medicine</i> , 2021, 289, 675-687.	6.0	42
18	THYROTROPIC FEEDBACK CONTROL: EVIDENCE FOR AN ADDITIONAL ULTRASHORT FEEDBACK LOOP FROM FRACTAL ANALYSIS. <i>Cybernetics and Systems</i> , 2004, 35, 315-331.	2.5	39

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19	A novel minimal mathematical model of the hypothalamusâ€“pituitaryâ€“thyroid axis validated for individualized clinical applications. <i>Mathematical Biosciences</i> , 2014, 249, 1-7.	1.9	38
20	Association of left atrial low-voltage area and thromboembolic risk in patients with atrial fibrillation. <i>Europace</i> , 2018, 20, f359-f365.	1.7	37
21	Mathematical Modeling of the Pituitaryâ€“Thyroid Feedback Loop: Role of a TSH-T3-Shunt and Sensitivity Analysis. <i>Frontiers in Endocrinology</i> , 2018, 9, 91.	3.5	37
22	Absorption Kinetics of Levothyroxine Is Not Altered by Proton-pump Inhibitor Therapy. <i>Hormone and Metabolic Research</i> , 2006, 38, 57-59.	1.5	36
23	Failure to achieve disease control in acromegaly: cause analysis by a registry-based survey. <i>European Journal of Endocrinology</i> , 2015, 172, 351-356.	3.7	35
24	The role of functional thyroid capacity in pituitary thyroid feedback regulation. <i>European Journal of Clinical Investigation</i> , 2018, 48, e13003.	3.4	34
25	The AQUA-FONTIS study: protocol of a multidisciplinary, cross-sectional and prospective longitudinal study for developing standardized diagnostics and classification of non-thyroidal illness syndrome. <i>BMC Endocrine Disorders</i> , 2008, 8, 13.	2.2	33
26	Time for a reassessment of the treatment of hypothyroidism. <i>BMC Endocrine Disorders</i> , 2019, 19, 37.	2.2	30
27	Physiological states and functional relation between thyrotropin and free thyroxine in thyroid health and disease: in vivo and in silico data suggest a hierarchical model. <i>Journal of Clinical Pathology</i> , 2013, 66, 335-342.	2.0	29
28	Relational Stability in the Expression of Normality, Variation, and Control of Thyroid Function. <i>Frontiers in Endocrinology</i> , 2016, 7, 142.	3.5	29
29	Relational Stability of Thyroid Hormones in Euthyroid Subjects and Patients with Autoimmune Thyroid Disease. <i>European Thyroid Journal</i> , 2016, 5, 171-179.	2.4	29
30	Derivation of a multivariate reference range for pituitary thyrotropin and thyroid hormones: diagnostic efficiency compared with conventional single-reference method. <i>European Journal of Endocrinology</i> , 2016, 174, 735-743.	3.7	27
31	Functional and Symptomatic Individuality in the Response to Levothyroxine Treatment. <i>Frontiers in Endocrinology</i> , 2019, 10, 664.	3.5	26
32	Exchanging Catheters Over a Single Transseptal Sheath During Left Atrial Ablation is Associated with a Higher Risk for Silent Cerebral Events. <i>Indian Pacing and Electrophysiology Journal</i> , 2014, 14, 240-249.	0.6	25
33	Total Atrial Conduction Time Assessed by Tissue Doppler Imaging (PAâ€“TDI Interval) to Predict Early Recurrence of Persistent Atrial Fibrillation After Successful Electrical Cardioversion. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 161-167.	1.7	23
34	Impact of periprocedural anticoagulation strategy on the incidence of new-onset silent cerebral events after radiofrequency catheter ablation of atrial fibrillation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2016, 46, 203-211.	1.3	23
35	Individualised requirements for optimum treatment of hypothyroidism: complex needs, limited options. <i>Drugs in Context</i> , 2019, 8, 1-18.	2.2	23
36	Hypothalamusâ€“Pituitaryâ€“Thyroid Feedback Control: Implications of Mathematical Modeling and Consequences for Thyrotropin (TSH) and Free Thyroxine (FT4) Reference Ranges. <i>Bulletin of Mathematical Biology</i> , 2014, 76, 1270-1287.	1.9	22

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37	Usefulness of Serum Free Thyroxine Concentration to Predict Ventricular Arrhythmia Risk in Euthyroid Patients With Structural Heart Disease. <i>American Journal of Cardiology</i> , 2020, 125, 1162-1169.	1.6	21
38	Variation in the biochemical response to l-thyroxine therapy and relationship with peripheral thyroid hormone conversion efficiency. <i>Endocrine Connections</i> , 2015, 4, 196-205.	1.9	20
39	Symptomatic Relief is Related to Serum Free Triiodothyronine Concentrations during Follow-up in Levothyroxine-Treated Patients with Differentiated Thyroid Cancer. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2018, 126, 546-552.	1.2	20
40	Variation in the biochemical response to l-thyroxine therapy and relationship with peripheral thyroid hormone conversion efficiency. <i>Endocrine Connections</i> , 2015, 4, 196-205.	1.9	20
41	Increased Preoperative Serum Apoptosis Marker Fas Ligand Correlates With Histopathology and New Onset of Atrial Fibrillation in Patients After Cardiac Surgery. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 1110-1115.	1.7	17
42	Normal values for longitudinal function of the right ventricle in healthy women >70 years of age. <i>European Journal of Echocardiography</i> , 2010, 11, 725-728.	2.3	15
43	Letter by Dietrich et al Regarding Article, "Thyroid Dysfunction in Heart Failure and Cardiovascular Outcomes". <i>Circulation: Heart Failure</i> , 2019, 12, e005854.	3.9	15
44	Editorial: "Homeostasis and Allostasis of Thyroid Function". <i>Frontiers in Endocrinology</i> , 2018, 9, 287.	3.5	14
45	Thyroid Related Quality of Life in Elderly with Subclinical Hypothyroidism and Improvement on Levothyroxine is Distinct from that in Young Patients (TSAGE). <i>Hormone and Metabolic Research</i> , 2019, 51, 568-574.	1.5	14
46	Hemodynamics of paradoxical severe aortic stenosis: insight from a pressure-volume loop analysis. <i>Clinical Research in Cardiology</i> , 2019, 108, 931-939.	3.3	14
47	Reverse Remodelling of the Atria After Treatment of Obstructive Sleep Apnoea with Continuous Positive Airway Pressure: Evidence from Electro-mechanical and Endocrine Markers. <i>Heart Lung and Circulation</i> , 2016, 25, 53-60.	0.4	13
48	Advances in applied homeostatic modelling of the relationship between thyrotropin and free thyroxine. <i>PLoS ONE</i> , 2017, 12, e0187232.	2.5	13
49	Lessons from Randomised Clinical Trials for Triiodothyronine Treatment of Hypothyroidism: Have They Achieved Their Objectives?. <i>Journal of Thyroid Research</i> , 2018, 2018, 1-9.	1.3	13
50	The Quest for System-Theoretical Medicine in the COVID-19 Era. <i>Frontiers in Medicine</i> , 2021, 8, 640974.	2.6	13
51	In vitro phage display in a rat beta cell line: a simple approach for the generation of a single-chain antibody targeting a novel beta cell-specific epitope. <i>Diabetologia</i> , 2010, 53, 1384-1394.	6.3	12
52	Association between left atrial low-voltage area, serum apoptosis, and fibrosis biomarkers and incidence of silent cerebral events after catheter ablation of atrial fibrillation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2015, 44, 55-62.	1.3	11
53	Dual control of pituitary thyroid stimulating hormone secretion by thyroxine and triiodothyronine in athyreotic patients. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2017, 8, 83-95.	3.2	11
54	Alterations in Titin Properties and Myocardial Fibrosis Correlate With Clinical Phenotypes in Hemodynamic Subgroups of Severe Aortic Stenosis. <i>JACC Basic To Translational Science</i> , 2018, 3, 335-346.	4.1	11

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55	The Two Faces of Janus: Why Thyrotropin as a Cardiovascular Risk Factor May Be an Ambiguous Target. <i>Frontiers in Endocrinology</i> , 2020, 11, 542710.	3.5	10
56	Reverse atrial remodeling in patients who maintain sinus rhythm after electrical cardioversion: evidence derived from the measurement of total atrial conduction time assessed by PA-TDI interval. <i>Journal of Echocardiography</i> , 2014, 12, 142-150.	0.8	9
57	Thyroid examination in highly radiation-exposed workers after the Chernobyl accident. <i>European Journal of Endocrinology</i> , 2009, 160, 625-630.	3.7	8
58	Estimation of insulin sensitivity in diabetic Göttingen Minipigs. <i>Control Engineering Practice</i> , 2016, 55, 80-90.	5.5	8
59	Triiodothyronine secretion in early thyroid failure: The adaptive response of central feedforward control. <i>European Journal of Clinical Investigation</i> , 2020, 50, e13192.	3.4	8
60	Optimal Hormone Replacement Therapy in Hypothyroidism - A Model Predictive Control Approach. <i>Frontiers in Endocrinology</i> , 0, 13, .	3.5	8
61	Protection from diabetes development by single-chain antibody-mediated delivery of a NF- κ B inhibitor specifically to β -cells in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 301, E83-E90.	3.5	7
62	Second degree AV block and severely impaired contractility in cardiac myxedema: a case report. <i>Thyroid Research</i> , 2015, 8, 6.	1.5	7
63	Of rats and men: thyroid homeostasis in rodents and human beings. <i>Lancet Diabetes and Endocrinology</i> , the, 2015, 3, 932-933.	11.4	6
64	Principles of Endocrine Regulation: Reconciling Tensions Between Robustness in Performance and Adaptation to Change. <i>Frontiers in Endocrinology</i> , 0, 13, .	3.5	6
65	Compared to limb pain of other origin, ultrasonographic osteodensitometry reveals loss of bone density in complex regional pain syndrome. <i>Pain</i> , 2019, 160, 1261-1269.	4.2	5
66	Who is afraid of non-normal data? Choosing between parametric and non-parametric tests: a response. <i>European Journal of Endocrinology</i> , 2020, 183, L1-L3.	3.7	5
67	Thyroxine in Goiter, H. pylori Infection, and Gastritis. <i>New England Journal of Medicine</i> , 2006, 355, 1177-1177.	27.0	3
68	We miss the opportunity: Pretreatment of osteoporosis in a German trauma center. <i>PLoS ONE</i> , 2018, 13, e0207122.	2.5	3
69	Heterogenous biochemical expression of hormone activity in subclinical/overt hyperthyroidism and exogenous thyrotoxicosis. <i>Journal of Clinical and Translational Endocrinology</i> , 2020, 19, 100219.	1.4	3
70	Letter to the Editor: Comment on "Reconciling the Log-Linear and Non-Linear Aspects of the TSH-Free T4 Relationship: Intra-Individual Analysis of a Large Population" by Rothacker K.M., et al.. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, L40-L41.	3.6	3
71	Understanding the restrictions in the prescription and use of potentially beneficial diabetes medications associated with low socio-economic status. <i>Lancet Regional Health - Europe</i> , The, 2022, 14, 100318.	5.6	3
72	Syndrome of Inadequate Antidiuretic Hormone Secretion in Pulmonary Tuberculosis - a Therapeutic Challenge. <i>Pneumologie</i> , 2013, 67, 219-222.	0.1	2

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73	The Boston AF Symposium 2014 Abstracts. Journal of Cardiovascular Electrophysiology, 2014, 25, 556-577.	1.7	2
74	Stand-alone mapping using different transluminal mapping cathetersâ€”an accurate and safe way to isolate all pulmonary veins with the cryoballoon?. Journal of Interventional Cardiac Electrophysiology, 2015, 42, 33-41.	1.3	2
75	Profiling retrospective thyroid function data in complete thyroidectomy patients to investigate the HPT axis set point (PREDICT-IT). Journal of Endocrinological Investigation, 2021, 44, 969-977.	3.3	2
76	A novel de novo mutation in the thyroid hormone receptor-beta gene. Experimental and Clinical Endocrinology and Diabetes, 2015, 122, .	1.2	2
77	Abnormal Cardiac Repolarization in Thyroid Diseases: Results of an Observational Study. Frontiers in Cardiovascular Medicine, 2021, 8, 738517.	2.4	2
78	Do Thyroid-Stimulating Hormone, Body Weight, or Body Mass Index Serve as Adequate Markers to Guide Levothyroxine Dose Titration?. Journal of the American College of Surgeons, 2013, 217, 752-753.	0.5	1
79	â€œStill crazy after all these yearsâ€•â€” Tuberculosis as an Old Disease with Diverse Facets in a Thirty-five-year-old Male Patient. Pneumologie, 2014, 68, 206-207.	0.1	0
80	Letter to the Editor:Hoermann Response to Fitzgerald et al. (DOI: 10.1089/thy.2019.0535). Thyroid, 2020, 30, 1837-1838.	4.5	0
81	Comment on â€œLevothyroxine® New and Old Formulations: Are They Switchable for Millions of Patients?â€•. Clinical Pharmacokinetics, 2020, 59, 655-657.	3.5	0
82	Treatment options for subclinical hypothyroidism. European Journal of Endocrinology, 2021, 185, L5-L6.	3.7	0