

Bernd Schultes

List of Publications by Year in descending order

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115
papers

8,324
citations

61945

43
h-index

46771

89
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122
all docs

122
docs citations

122
times ranked

9419
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Laparoscopic Sleeve Gastrectomy vs Laparoscopic Roux-en-Y Gastric Bypass on Weight Loss in Patients With Morbid Obesity. <i>JAMA - Journal of the American Medical Association</i> , 2018, 319, 255.	3.8	882
2	Intranasal insulin improves memory in humans. <i>Psychoneuroendocrinology</i> , 2004, 29, 1326-1334.	1.3	615
3	Short-term sleep loss decreases physical activity under free-living conditions but does not increase food intake under time-deprived laboratory conditions in healthy men. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 1476-1482.	2.2	322
4	Early Results of the Swiss Multicentre Bypass or Sleeve Study (SM-BOSS). <i>Annals of Surgery</i> , 2013, 258, 690-695.	2.1	309
5	A single night of sleep deprivation increases ghrelin levels and feelings of hunger in normal-weight healthy men. <i>Journal of Sleep Research</i> , 2008, 17, 331-334.	1.7	283
6	Intranasal Insulin Improves Memory in Humans: Superiority of Insulin Aspart. <i>Neuropsychopharmacology</i> , 2007, 32, 239-243.	2.8	262
7	Hypoglycemia Unawareness in Older Compared With Middle-Aged Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2009, 32, 1513-1517.	4.3	257
8	Differential Sensitivity of Men and Women to Anorexigenic and Memory-Improving Effects of Intranasal Insulin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 1339-1344.	1.8	252
9	Intranasal Insulin Reduces Body Fat in Men but not in Women. <i>Diabetes</i> , 2004, 53, 3024-3029.	0.3	251
10	Acute Sleep Deprivation Enhances the Brain's Response to Hedonic Food Stimuli: An fMRI Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E443-E447.	1.8	249
11	The metabolic burden of sleep loss. <i>Lancet Diabetes and Endocrinology</i> , 2015, 3, 52-62.	5.5	240
12	Evidence for the Necessity to Systematically Assess Micronutrient Status Prior to Bariatric Surgery. <i>Obesity Surgery</i> , 2009, 19, 66-73.	1.1	218
13	Acute sleep deprivation reduces energy expenditure in healthy men. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 1229-1236.	2.2	199
14	Hypoxia Causes Glucose Intolerance in Humans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 169, 1231-1237.	2.5	189
15	Laparoscopic Sleeve Gastrectomy Versus Roux-Y-Gastric Bypass for Morbid Obesity—3-Year Outcomes of the Prospective Randomized Swiss Multicenter Bypass Or Sleeve Study (SM-BOSS). <i>Annals of Surgery</i> , 2017, 265, 466-473.	2.1	189
16	Hedonic hunger is increased in severely obese patients and is reduced after gastric bypass surgery. <i>American Journal of Clinical Nutrition</i> , 2010, 92, 277-283.	2.2	178
17	Sleep characteristics in type 1 diabetes and associations with glycemic control: systematic review and meta-analysis. <i>Sleep Medicine</i> , 2016, 23, 26-45.	0.8	155
18	Intranasal Insulin to Improve Memory Function in Humans. <i>Neuroendocrinology</i> , 2007, 86, 136-142.	1.2	146

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19	Concomitant Cholecystectomy During Laparoscopic Roux-en-Y Gastric Bypass in Obese Patients Is Not Justified: A Meta-Analysis. <i>Obesity Surgery</i> , 2013, 23, 397-407.	1.1	136
20	Intranasal insulin as a therapeutic option in the treatment of cognitive impairments. <i>Experimental Gerontology</i> , 2011, 46, 112-115.	1.2	134
21	Intranasal Insulin Enhances Postprandial Thermogenesis and Lowers Postprandial Serum Insulin Levels in Healthy Men. <i>Diabetes</i> , 2011, 60, 114-118.	0.3	117
22	Differential Changes in Dietary Habits after Gastric Bypass Versus Gastric Banding Operations. <i>Obesity Surgery</i> , 2009, 19, 274-280.	1.1	115
23	Disturbed Glucoregulatory Response to Food Intake After Moderate Sleep Restriction. <i>Sleep</i> , 2011, 34, 371-377.	0.6	106
24	Sleep Loss Alters Basal Metabolic Hormone Secretion and Modulates the Dynamic Counterregulatory Response to Hypoglycemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 3044-3051.	1.8	103
25	Roux-en Y Gastric Bypass Surgery Reduces Hedonic Hunger and Improves Dietary Habits in Severely Obese Subjects. <i>Obesity Surgery</i> , 2013, 23, 50-55.	1.1	99
26	Metabolomic fingerprint of severe obesity is dynamically affected by bariatric surgery in a procedure-dependent manner. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 1313-1322.	2.2	96
27	Sleep timing may modulate the effect of sleep loss on testosterone. <i>Clinical Endocrinology</i> , 2012, 77, 749-754.	1.2	86
28	Cortisol correlates with metabolic disturbances in a population study of type 2 diabetic patients. <i>European Journal of Endocrinology</i> , 2006, 154, 325-331.	1.9	85
29	Defective Awakening Response to Nocturnal Hypoglycemia in Patients with Type 1 Diabetes Mellitus. <i>PLoS Medicine</i> , 2007, 4, e69.	3.9	83
30	Evidence for a Relationship between VEGF and BMI Independent of Insulin Sensitivity by Glucose Clamp Procedure in a Homogenous Group Healthy Young Men. <i>PLoS ONE</i> , 2010, 5, e12610.	1.1	72
31	Altered Neuroendocrine Sleep Architecture in Patients With Type 1 Diabetes. <i>Diabetes Care</i> , 2008, 31, 1183-1188.	4.3	68
32	Modulation of Hunger by Plasma Glucose and Metformin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 1133-1141.	1.8	63
33	Euglycemic Infusion of Insulin Detemir Compared With Human Insulin Appears to Increase Direct Current Brain Potential Response and Reduces Food Intake While Inducing Similar Systemic Effects. <i>Diabetes</i> , 2010, 59, 1101-1107.	0.3	58
34	Use and effectiveness of a fixed-ratio combination of insulin degludec/liraglutide (IDegLira) in a real-world population with type 2 diabetes: Results from a European, multicentre, retrospective chart review study. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 954-962.	2.2	54
35	Is Routine Cholecystectomy Justified in Severely Obese Patients Undergoing a Laparoscopic Roux-en-Y Gastric Bypass Procedure? A Comparative Cohort Study. <i>Obesity Surgery</i> , 2011, 21, 1870-1878.	1.1	53
36	C-Reactive Protein 2 Days After Laparoscopic Gastric Bypass Surgery Reliably Indicates Leaks and Moderately Predicts Morbidity. <i>Journal of Gastrointestinal Surgery</i> , 2012, 16, 1128-1135.	0.9	53

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37	An Untargeted Metabolomics Approach to Characterize Short-Term and Long-Term Metabolic Changes after Bariatric Surgery. <i>PLoS ONE</i> , 2016, 11, e0161425.	1.1	51
38	Distal gastric bypass surgery for the treatment of hypothalamic obesity after childhood craniopharyngioma. <i>European Journal of Endocrinology</i> , 2009, 161, 201-206.	1.9	50
39	Transcortical Direct Current Potential Shift Reflects Immediate Signaling of Systemic Insulin to the Human Brain. <i>Diabetes</i> , 2004, 53, 2202-2208.	0.3	49
40	Mild Sleep Restriction Acutely Reduces Plasma Glucagon Levels in Healthy Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 5169-5173.	1.8	48
41	Changes in blood pressure and plasma catecholamine levels during prolonged hyperinsulinemia. <i>Metabolism: Clinical and Experimental</i> , 2005, 54, 391-396.	1.5	47
42	Towards the therapeutic use of intranasal neuropeptide administration in metabolic and cognitive disorders. <i>Regulatory Peptides</i> , 2008, 149, 79-83.	1.9	47
43	Diurnal Rhythm of Circulating Nicotinamide Phosphoribosyltransferase (Nampt/Misfatin/PBEF): Impact of Sleep Loss and Relation to Glucose Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E218-E222.	1.8	45
44	Hypoglycemia Counterregulation During Sleep. <i>Sleep</i> , 2003, 26, 55-59.	0.6	44
45	A Novel Distal Very Long Roux-en Y Gastric Bypass (DVLRYGB) as a Primary Bariatric Procedure—Complication Rates, Weight Loss, and Nutritional/Metabolic Changes in the First 355 Patients. <i>Obesity Surgery</i> , 2012, 22, 1427-1436.	1.1	44
46	Differential Changes in Exercise Performance After Massive Weight Loss Induced by Bariatric Surgery. <i>Obesity Surgery</i> , 2013, 23, 365-371.	1.1	40
47	Effect of High Sugar Intake on Glucose Transporter and Weight Regulating Hormones in Mice and Humans. <i>PLoS ONE</i> , 2014, 9, e101702.	1.1	40
48	Hypoglycemia During Sleep Impairs Consolidation of Declarative Memory in Type 1 Diabetic and Healthy Humans. <i>Diabetes Care</i> , 2007, 30, 2040-2045.	4.3	39
49	Dual Source CT Coronary Angiography in Severely Obese Patients. <i>Investigative Radiology</i> , 2009, 44, 720-727.	3.5	38
50	A European, multicentre, retrospective, non-interventional study (EU-TREAT) of the effectiveness of insulin degludec after switching basal insulin in a population with type 1 or type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 689-697.	2.2	37
51	Continuous positive airway pressure therapy decreases evening cortisol concentrations in patients with severe obstructive sleep apnea. <i>Metabolism: Clinical and Experimental</i> , 2009, 58, 848-853.	1.5	36
52	Early morning rise in hypothalamic-pituitary-adrenal activity: A role for maintaining the brain's energy balance. <i>Psychoneuroendocrinology</i> , 2009, 34, 455-462.	1.3	34
53	Seasonal Variation in the Deficiency of 25-Hydroxyvitamin D3 in Mildly to Extremely Obese Subjects. <i>Obesity Surgery</i> , 2009, 19, 180-183.	1.1	34
54	Take Control: A randomized trial evaluating the efficacy and safety of self- versus physician-managed titration of insulin glargine 300 U/mL in patients with uncontrolled type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 1615-1624.	2.2	33

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55	Awakening and Counterregulatory Response to Hypoglycemia During Early and Late Sleep. <i>Diabetes</i> , 2007, 56, 1938-1942.	0.3	31
56	A Genetic Risk Score Is Associated with Weight Loss Following Roux-en Y Gastric Bypass Surgery. <i>Obesity Surgery</i> , 2016, 26, 2183-2189.	1.1	31
57	Gut Protein Uptake and Mechanisms of Meal-Induced Cortisol Release. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 1692-1696.	1.8	29
58	Basal Serum Prolactin Levels in Obesity are Unrelated to Parameters of the Metabolic Syndrome and Unchanged After Massive Weight Loss. <i>Obesity Surgery</i> , 2009, 19, 1159-1162.	1.1	28
59	Pituitary-Gonadal and Pituitary-Thyroid Axis Hormone Concentrations before and during a Hypoglycemic Clamp after Sleep Deprivation in Healthy Men. <i>PLoS ONE</i> , 2013, 8, e54209.	1.1	27
60	Real-world use of once-weekly semaglutide in patients with type 2 diabetes: Results from the SURE Switzerland multicentre, prospective, observational study. <i>Diabetes Research and Clinical Practice</i> , 2021, 178, 108931.	1.1	27
61	Roux-En Y Gastric Bypass Surgery Induces Genome-Wide Promoter-Specific Changes in DNA Methylation in Whole Blood of Obese Patients. <i>PLoS ONE</i> , 2015, 10, e0115186.	1.1	27
62	Reduced Circulating Androgen Levels After Gastric Bypass Surgery in Severely Obese Women. <i>Obesity Surgery</i> , 2013, 23, 602-607.	1.1	26
63	Poor prediction of resting energy expenditure in obese women by established equations. <i>Metabolism: Clinical and Experimental</i> , 2010, 59, 1181-1189.	1.5	25
64	Processing of food stimuli is selectively enhanced during insulin-induced hypoglycemia in healthy men. <i>Psychoneuroendocrinology</i> , 2005, 30, 496-504.	1.3	24
65	Lactate infusion during euglycemia but not hypoglycemia reduces subsequent food intake in healthy men. <i>Appetite</i> , 2012, 58, 818-821.	1.8	24
66	Enhanced Thermic Effect of Food After Roux-en-Y Gastric Bypass Surgery. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 3776-3784.	1.8	23
67	Resting energy expenditure after Roux-en Y gastric bypass surgery. <i>Surgery for Obesity and Related Diseases</i> , 2018, 14, 191-199.	1.0	23
68	Preoperative Nutritional Deficiencies in Severely Obese Bariatric Candidates are not Linked to Gastric Helicobacter pylori Infection. <i>Obesity Surgery</i> , 2013, 23, 698-702.	1.1	21
69	Intranasal Atrial Natriuretic Peptide Acts as Central Nervous Inhibitor of the Hypothalamo-Pituitary-Adrenal Stress System in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 4642-4648.	1.8	20
70	Timing Modulates the Effect of Sleep Loss on Glucose Homeostasis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 2801-2808.	1.8	20
71	Meal anticipation potentiates postprandial ghrelin suppression in humans. <i>Psychoneuroendocrinology</i> , 2012, 37, 1096-1100.	1.3	19
72	Waist Circumference and Related Anthropometric Indices Are Associated with Metabolic Traits in Severely Obese Subjects. <i>Obesity Surgery</i> , 2014, 24, 777-782.	1.1	19

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73	Preserved circadian rhythm of serum insulin concentration at low plasma glucose during fasting in lean and overweight humans. <i>Metabolism: Clinical and Experimental</i> , 2004, 53, 1449-1453.	1.5	18
74	Persistent suppression of resting energy expenditure after acute hypoxia. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 669-675.	1.5	18
75	The Role of FTO and Vitamin D for the Weight Loss Effect of Roux-en-Y Gastric Bypass Surgery in Obese Patients. <i>Obesity Surgery</i> , 2015, 25, 2071-2077.	1.1	18
76	Modulation of Food Intake by Glucose in Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2005, 28, 2884-2889.	4.3	17
77	Glycemic increase induced by intravenous glucose infusion fails to affect hunger, appetite, or satiety following breakfast in healthy men. <i>Appetite</i> , 2016, 105, 562-566.	1.8	17
78	Real-world use of once-weekly semaglutide in patients with type 2 diabetes: pooled analysis of data from four SURE studies by baseline characteristic subgroups. <i>BMJ Open Diabetes Research and Care</i> , 2022, 10, e002619.	1.2	17
79	Eating behaviour in treatment-seeking obese subjects – Influence of sex and BMI classes. <i>Appetite</i> , 2015, 95, 96-100.	1.8	16
80	QT Interval Shortening After Bariatric Surgery Depends on the Applied Heart Rate Correction Equation. <i>Obesity Surgery</i> , 2017, 27, 973-982.	1.1	16
81	Influence of captopril on symptomatic and hormonal responses to hypoglycaemia in humans. <i>British Journal of Clinical Pharmacology</i> , 2003, 55, 347-353.	1.1	14
82	Differences between nighttime and daytime hypoglycemia counterregulation in healthy humans. <i>Metabolism: Clinical and Experimental</i> , 2004, 53, 894-898.	1.5	14
83	Divergent effects of hyper- and hypoglycemia on circulating vascular endothelial growth factor in humans. <i>Metabolism: Clinical and Experimental</i> , 2008, 57, 90-94.	1.5	13
84	Effect of morbid obesity, gastric banding and gastric bypass on esophageal symptoms, mucosa and function. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 552-560.	1.3	13
85	Partial sleep restriction modulates secretory activity of thyrotropic axis in healthy men. <i>Journal of Sleep Research</i> , 2013, 22, 166-169.	1.7	12
86	Transient hypoxia and downregulation of circulating prohepcidin concentrations in healthy young men. <i>Haematologica</i> , 2007, 92, 125-126.	1.7	11
87	A genetic variant in proximity to the gene LYPLAL1 is associated with lower hunger feelings and increased weight loss following Roux-en-Y gastric bypass surgery. <i>Scandinavian Journal of Gastroenterology</i> , 2016, 51, 1050-1055.	0.6	11
88	Lactate overrides central nervous but not β -cell glucose sensing in humans. <i>Metabolism: Clinical and Experimental</i> , 2008, 57, 1733-1739.	1.5	10
89	Increased serum brain-derived neurotrophic factor protein upon hypoxia in healthy young men. <i>Journal of Neural Transmission</i> , 2009, 116, 1221-1225.	1.4	10
90	Comprehensive assessment of physical functioning in bariatric surgery candidates compared with subjects without obesity. <i>Surgery for Obesity and Related Diseases</i> , 2016, 12, 642-650.	1.0	10

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91	Hormonal, subjective, and neurocognitive responses to brief hypoglycemia in postmenopausal women and age-matched men with type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 331-338.	1.5	9
92	Type 2 Diabetes is Associated with Lower Cardiorespiratory Fitness Independent of Pulmonary Function in Severe Obesity. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2017, 125, 301-306.	0.6	9
93	Preserved inhibitory effect of recurrent hypoglycaemia on the male gonadotrophic axis. <i>Clinical Endocrinology</i> , 2005, 62, 217-222.	1.2	7
94	Blocking NMDA receptor signaling does not decrease hormonal counterregulation to hypoglycemia in humans. <i>Psychoneuroendocrinology</i> , 2008, 33, 1069-1076.	1.3	7
95	Pharmacological Interventions against Obesity: Current Status and Future Directions. <i>Visceral Medicine</i> , 2016, 32, 347-351.	0.5	7
96	Sagittal Abdominal Diameter does not Predict Metabolic Traits Better than Waist Circumference-Related Measures of Abdominal Obesity in Obese Subjects. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2018, 126, 619-627.	0.6	6
97	Chronobiological aspects of sleep restriction modulate subsequent spontaneous physical activity. <i>Physiology and Behavior</i> , 2020, 215, 112795.	1.0	6
98	Growth hormone-releasing hormone facilitates hypoglycemia-induced release of cortisol. <i>Regulatory Peptides</i> , 2002, 110, 85-91.	1.9	4
99	Sleep loss does not aggravate the deteriorating effect of hypoglycemia on neurocognitive function in healthy men. <i>Psychoneuroendocrinology</i> , 2010, 35, 624-628.	1.3	4
100	Increased Trimethylamine-N-Oxide (TMAO) Levels After Roux-en Y Gastric Bypass Surgery—Should We Worry About It?. <i>Obesity Surgery</i> , 2017, 27, 2170-2173.	1.1	4
101	Sleep deprivation prevents counterregulatory adaptation to recurrent hypoglycaemia. <i>Diabetologia</i> , 2022, 65, 1212-1221.	2.9	4
102	Reply to J-P Chaput et al. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 823-824.	2.2	3
103	Subjective and objective physical activity patterns after Roux-en Y gastric bypass surgery compared with non-operated obese and non-obese control women. <i>Obesity Research and Clinical Practice</i> , 2016, 10, 49-55.	0.8	3
104	Switching “Real-World” Diabetes Patients to Degludec from Other Basal Insulins Provides Different Clinical Benefits According to Their Baseline Glycemic Control. <i>Advances in Therapy</i> , 2019, 36, 1201-1210.	1.3	3
105	Response to the Letter to the Editor “Bariatric Surgery and the Assessment of Copper and Zinc Nutriture” by Leslie M. Klevay. <i>Obesity Surgery</i> , 2010, 20, 674-675.	1.1	2
106	Resting energy expenditure values assessed by a multi-sensor armband show a low accuracy in obese subjects. <i>E-SPEN Journal</i> , 2013, 8, e246-e250.	0.5	2
107	Letter to the Editor: Circulating Adult Stem and Progenitor Cells After Roux-en-Y Gastric Bypass Surgery in Myotonic Dystrophy. <i>Obesity Surgery</i> , 2019, 29, 311-315.	1.1	2
108	Comment on: Longitudinal trends in hedonic hunger following Roux-en-Y gastric bypass in adolescents. <i>Surgery for Obesity and Related Diseases</i> , 2014, 10, 130-131.	1.0	1

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109	Spiroergometric assessment of cardiorespiratory fitness in subjects with severe obesity: A challenge of reference. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2019, 29, 1382-1389.	1.1	1
110	Cardiorespiratory Fitness is Associated with Glycated Hemoglobin and Triglyceride Levels in Severely Obese Men: A Retrospective Clinical Data Analysis. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2020, 128, 15-19.	0.6	1
111	QT Interval Shortening After Bariatric Surgery: Mind the Heart Rate Correction Equation. <i>Obesity Surgery</i> , 2021, 31, 4637-4637.	1.1	1
112	Sleep loss, obesity and diabetes: a fatal connection?. <i>Expert Review of Endocrinology and Metabolism</i> , 2007, 2, 713-715.	1.2	0
113	Nutrient-Induced Inflammation - A Concept for Novel Therapies in Polycystic Ovary Syndrome?. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e2998-e2999.	1.8	0
114	Treating hypercholesterinemia in a patient with maternally inherited diabetes and deafness (MIDD) by the proprotein convertase subtilisin/kexin type 9 (PCSK9) inhibitor alirocumab. <i>Acta Diabetologica</i> , 2021, 58, 1575-1577.	1.2	0
115	K�rpergewicht. <i>Springer Reference Medizin</i> , 2020, , 1-3.	0.0	0