

# Ingeborg D Welters

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

2,693  
citations

201385

27  
h-index

189595

50  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3779  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute respiratory distress syndrome subphenotypes and differential response to simvastatin: secondary analysis of a randomised controlled trial. <i>Lancet Respiratory Medicine</i> , 2018, 6, 691-698.	5.2	455
2	Changes in blood lymphocyte populations after multiple trauma. <i>Critical Care Medicine</i> , 1999, 27, 733-740.	0.4	192
3	Cell-Surface Estrogen Receptors Mediate Calcium-Dependent Nitric Oxide Release in Human Endothelia. <i>Circulation</i> , 2000, 101, 1594-1597.	1.6	165
4	Circulating Histones Are Major Mediators of Cardiac Injury in Patients With Sepsis*. <i>Critical Care Medicine</i> , 2015, 43, 2094-2103.	0.4	135
5	Endogenous morphine. <i>Trends in Neurosciences</i> , 2000, 23, 436-442.	4.2	123
6	Effectiveness of a national quality improvement programme to improve survival after emergency abdominal surgery (EPOCH): a stepped-wedge cluster-randomised trial. <i>Lancet</i> , 2019, 393, 2213-2221.	6.3	123
7	Impact of prolonged elevated heart rate on incidence of major cardiac events in critically ill patients with a high risk of cardiac complications*. <i>Critical Care Medicine</i> , 2005, 33, 81-88.	0.4	101
8	Assessment and clinical course of hypocalcemia in critical illness. <i>Critical Care</i> , 2013, 17, R106.	2.5	97
9	Basal nitric oxide limits immune, nervous and cardiovascular excitation: human endothelia express a mu opiate receptor. <i>Progress in Neurobiology</i> , 2000, 60, 513-530.	2.8	94
10	A Novel Assay for Neutrophil Extracellular Trap Formation Independently Predicts Disseminated Intravascular Coagulation and Mortality in Critically Ill Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 869-880.	2.5	85
11	Estradiol-stimulated nitric oxide release in human granulocytes is dependent on intracellular calcium transients: evidence of a cell surface estrogen receptor. <i>Blood</i> , 2000, 95, 3951-3958.	0.6	66
12	Biomarker-guided antibiotic stewardship in suspected ventilator-associated pneumonia (VAPrapid2): a randomised controlled trial and process evaluation. <i>Lancet Respiratory Medicine</i> , 2020, 8, 182-191.	5.2	65
13	Endogenous Morphine Levels Are Increased in Sepsis: A Partial Implication of Neutrophils. <i>PLoS ONE</i> , 2010, 5, e8791.	1.1	59
14	The Hippocampal Cholinergic Neurostimulating Peptide, the N-terminal Fragment of the Secreted Phosphatidylethanolamine-binding Protein, Possesses a New Biological Activity on Cardiac Physiology. <i>Journal of Biological Chemistry</i> , 2004, 279, 13054-13064.	1.6	58
15	Heart rate variability: Measurement and emerging use in critical care medicine. <i>Journal of the Intensive Care Society</i> , 2020, 21, 148-157.	1.1	51
16	Natural history, trajectory, and management of mechanically ventilated COVID-19 patients in the United Kingdom. <i>Intensive Care Medicine</i> , 2021, 47, 549-565.	3.9	49
17	Ketamine Inhibits Transcription Factors Activator Protein 1 and Nuclear Factor- $\kappa$ B, Interleukin-8 Production, as well as CD11b and CD16 Expression: Studies in Human Leukocytes and Leukocytic Cell Lines. <i>Anesthesia and Analgesia</i> , 2010, 110, 934-941.	1.1	48
18	Human limb skeletal muscle wasting and architectural remodeling during five to ten days intubation and ventilation in critical care – an observational study using ultrasound. <i>BMC Anesthesiology</i> , 2016, 16, 119.	0.7	47

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19	Reduction of Postoperative Nausea and Vomiting by Dimenhydrinate Suppositories after Strabismus Surgery in Children. <i>Anesthesia and Analgesia</i> , 2000, 90, 311-314.	1.1	44
20	Endotoxaemia leads to major increases in inflammatory adipokine gene expression in white adipose tissue of mice. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 457, 731-741.	1.3	43
21	Circulating Histone Concentrations Differentially Affect the Predominance of Left or Right Ventricular Dysfunction in Critical Illness. <i>Critical Care Medicine</i> , 2016, 44, e278-e288.	0.4	37
22	A narrative review of diaphragm ultrasound to predict weaning from mechanical ventilation: where are we and where are we heading?. <i>Ultrasound Journal</i> , 2019, 11, 2.	1.3	33
23	Identification of Morphine-6-glucuronide in Chromaffin Cell Secretory Granules. <i>Journal of Biological Chemistry</i> , 2006, 281, 8082-8089.	1.6	32
24	Processing of Proenkephalin-A in Bovine Chromaffin Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 38355-38362.	1.6	30
25	The role of the protein C-thrombomodulin system and fibrinolysis during cardiovascular surgery: Influence of acute preoperative plasmapheresis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1996, 10, 482-489.	0.6	29
26	Major sources of critical incidents in intensive care. <i>Critical Care</i> , 2011, 15, R232.	2.5	29
27	Circulating anti-inflammatory adipokines High Molecular Weight Adiponectin and Zinc- $\alpha$ 2-glycoprotein (ZAG) are inhibited in early sepsis, but increase with clinical recovery: a pilot study. <i>BMC Anesthesiology</i> , 2014, 14, 124.	0.7	28
28	The clinical and functional relevance of microparticles induced by activated protein C treatment in sepsis. <i>Critical Care</i> , 2011, 15, R195.	2.5	25
29	Hypercoagulopathy in Severe COVID-19: Implications for Acute Care. <i>Thrombosis and Haemostasis</i> , 2020, 120, 1654-1667.	1.8	25
30	Influence of long-term continuous intravenous administration of pentoxifylline on endothelial-related coagulation in critically ill patients. <i>Critical Care Medicine</i> , 1996, 24, 940-946.	0.4	21
31	Effect of Isoflurane on Echocardiographic Left-Ventricular Relaxation Indices in Patients With Diastolic Dysfunction Due to Concentric Hypertrophy and Ischemic Heart Disease. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2006, 20, 509-514.	0.6	18
32	Performance and customization of 4 prognostic models for postoperative onset of nausea and vomiting in ear, nose, and throat surgery. <i>Journal of Clinical Anesthesia</i> , 2006, 18, 256-263.	0.7	16
33	Is immunomodulation by opioid drugs of clinical relevance?. <i>Current Opinion in Anaesthesiology</i> , 2003, 16, 509-513.	0.9	15
34	Augmented Passive Immunotherapy with P4 Peptide Improves Phagocyte Activity in Severe Sepsis. <i>Shock</i> , 2016, 46, 635-641.	1.0	15
35	Assessment of peripheral muscle thickness and architecture in healthy volunteers using hand-held ultrasound devices; a comparison study with standard ultrasound. <i>BMC Medical Imaging</i> , 2019, 19, 69.	1.4	15
36	Concentration of cefamandole in plasma and tissues of patients undergoing cardiac surgery: The influence of different cefamandole dosage. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1997, 11, 565-570.	0.6	14

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37	Hemodynamic effects of dobutamine and dopexamine after cardiopulmonary bypass in pediatric cardiac surgery*. Paediatric Anaesthesia, 2009, 19, 862-871.	0.6	14
38	Exploring the translational disconnect between the murine and human inflammatory response: analysis of LPS dose&ndash;response relationship in murine versus human cell lines and implications for translation into murine models of sepsis. Journal of Inflammation Research, 2015, 8, 201.	1.6	13
39	Estradiol-stimulated nitric oxide release in human granulocytes is dependent on intracellular calcium transients: evidence of a cell surface estrogen receptor. Blood, 2000, 95, 3951-3958.	0.6	11
40	Lipopolysaccharide induces a downregulation of adiponectin receptors<i>in-vitro</i>and<i>in-vivo</i>. PeerJ, 2015, 3, e1428.	0.9	11
41	Management of new onset atrial fibrillation in critically unwell adult patients: a systematic review and narrative synthesis. British Journal of Anaesthesia, 2021, , .	1.5	10
42	Strategies to enhance recruitment and consent to intensive care studies: a qualitative study with researchers and patientâ€“public involvement contributors. BMJ Open, 2021, 11, e048193.	0.8	7
43	Response to delivery stress is not mediated by beta-endorphin (1â€“31). European Journal of Obstetrics, Gynecology and Reproductive Biology, 2008, 136, 39-45.	0.5	6
44	Comparison of serum and lithiumâ€“heparinate plasma for the accurate measurements of endogenous and exogenous morphine concentrations. British Journal of Clinical Pharmacology, 2012, 74, 381-383.	1.1	6
45	Standard- versus intermediate-dose enoxaparin for anti-factor Xa guided thromboprophylaxis in critically ill patients with COVID-19. Thrombosis Journal, 2021, 19, 87.	0.9	5
46	PROcalcitonin and NEWS2 evaluation for Timely identification of sepsis and Optimal use of antibiotics in the emergency department (PRONTO): protocol for a multicentre, open-label, randomised controlled trial. BMJ Open, 2022, 12, e063424.	0.8	5
47	Protocol for a systematic review and network meta-analysis of the management of new onset atrial fibrillation in critically unwell adult patients. Systematic Reviews, 2019, 8, 242.	2.5	4
48	More research is required to understand factors influencing antibiotic prescribing in complex conditions like suspected ventilator-associated pneumonia. Annals of Translational Medicine, 2020, 8, 840-840.	0.7	4
49	Point of care ultrasound in acutely breathless patients-A qualitative study of the enablers and challenges in a teaching hospital in Kenya. , 0, 2, 130-139.		4
50	Endogenous morphineâ€“glucuronide (M6G) is present in the plasma of patients: Validation of a specific antiâ€“M6G antibody for clinical and basic research. BioFactors, 2014, 40, 113-120.	2.6	3
51	International survey on the perioperative management of pulmonary endarterectomy: the perfusion perspective. Perfusion (United Kingdom), 2018, 33, 53-61.	0.5	3
52	Response of proopiomelanocortin and gonado- or lactotroph systems to in-vitro fertilisation procedures stress. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2008, 141, 137-142.	0.5	2
53	Letter by Hamilton et al Regarding Article, â€œComparison of Venous Thromboembolism Risks Between COVID-19 Pneumonia and Community-Acquired Pneumonia Patientsâ€“. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, e309-e310.	1.1	1
54	Anticoagulation strategies in critical care for the treatment of atrial fibrillation: a protocol for a systematic review and meta-analysis. BMJ Open, 2020, 10, e037591.	0.8	1

#	ARTICLE	IF	CITATIONS
55	A Novel Assay of Neutrophil Extracellular Traps (NETs) Formation Independently Predicts DIC and Identifies the Rationale for Anti-IL-8 Therapies. <i>Blood</i> , 2019, 134, 440-440.	0.6	1
56	Correspondence Regarding: BIS Monitoring in Intensive Care. <i>Journal of the Intensive Care Society</i> , 2013, 14, 366-367.	1.1	0
57	A novel assay of neutrophil extracellular trap (NET) formation identifies anti-IL-8 therapies to reduce disseminated intravascular coagulation and mortality in the intensive care unit. <i>Clinical Medicine</i> , 2020, 20, s114-s115.	0.8	0
58	Can Beta-D-Glucan testing as part of the diagnostic pathway for Invasive Fungal Infection reduce anti-fungal treatment costs?. <i>Medical Mycology</i> , 2022, , .	0.3	0