

# Kent W Stewart

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4875409/kent-w-stewart-publications-by-citations.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32 papers	211 citations	7 h-index	14 g-index
32 ext. papers	229 ext. citations	2 avg, IF	2.9 L-index

#	Paper	IF	Citations
32	Safety, efficacy and clinical generalization of the STAR protocol: a retrospective analysis. <i>Annals of Intensive Care</i> , <b>2016</b> , 6, 24	8.9	79
31	Generalisability of a Virtual Trials Method for Glycaemic Control in Intensive Care. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2018</b> , 65, 1543-1553	5	38
30	Nutrition delivery of a model-based ICU glycaemic control system. <i>Annals of Intensive Care</i> , <b>2018</b> , 8, 4	8.9	20
29	Stochastic Model Predictive (STOMP) glycaemic control for the intensive care unit: Development and virtual trial validation. <i>Biomedical Signal Processing and Control</i> , <b>2015</b> , 16, 61-67	4.9	17
28	A 3D insulin sensitivity prediction model enables more patient-specific prediction and model-based glycaemic control. <i>Biomedical Signal Processing and Control</i> , <b>2018</b> , 46, 192-200	4.9	16
27	Industrial robots for teleoperated surgery: A systematic review of existing approaches. <i>Current Directions in Biomedical Engineering</i> , <b>2019</b> , 5, 153-156	0.5	7
26	Nutrition delivery, workload and performance in a model-based ICU glycaemic control system. <i>Computer Methods and Programs in Biomedicine</i> , <b>2018</b> , 166, 9-18	6.9	7
25	Interpretation of Retrospective BG Measurements. <i>Journal of Diabetes Science and Technology</i> , <b>2018</b> , 12, 967-975	4.1	6
24	Estimation of the insulin sensitivity profile for the stochastic variant of the ICING model <b>2016</b> ,		4
23	<b>2016</b> ,		4
22	Creating smooth SI. B-spline basis function representations of insulin sensitivity. <i>Biomedical Signal Processing and Control</i> , <b>2018</b> , 44, 270-278	4.9	4
21	Analysis of Stochastic Noise of Blood-Glucose Dynamics. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 15157-15162	0.7	2
20	Stochastic Simulation and Parameter Estimation of the ICING Model**Research is supported by EU FP7 IRSES, Engineering Technology based Innovation in Medicine, Grant No. 318943 and Hungarian National Scientific Research Foundation, Grant No. K116574.. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 218-223	0.7	2
19	Smartphone-based low-cost microscope with monolithic focusing mechanism. <i>Current Directions in Biomedical Engineering</i> , <b>2018</b> , 4, 267-270	0.5	2
18	Evaluation of a plasma insulin model for glycaemic control in intensive care. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2015</b> , 2015, 4009-12	0.9	1
17	Generalizability of a Nonlinear Model-based Glycemic Controller. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 212-217	0.7	1
16	Unsupervised Classification based Analysis of the Temporal Pattern of Insulin Sensitivity and Modelling Noise of Patient Groups under Tight Glycemic Control. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 62-67	0.7	1

15	Telemanipulation of an Articulated Robotic Arm using a Commercial Virtual Reality Controller. <i>Current Directions in Biomedical Engineering</i> , <b>2020</b> , 6, 127-130	0.5	0
14	Investigation of a non-invasive venous blood flow measurement device. <i>Current Directions in Biomedical Engineering</i> , <b>2019</b> , 5, 179-182	0.5	
13	How should we interpret retrospective blood glucose measurements? Sampling and Interpolation. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 874-879	0.7	
12	The Effect of Variable vs Fixed Feeding on Glycaemic Control in the Adult ICU: Virtual Trial Evaluation. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 880-885	0.7	
11	Accuracy and optimization of a subcutaneous insulin model for less acute critical care patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2015</b> , 2015, 4435-8	0.9	
10	Assessment of a low-cost LED vein detection method. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 15976-15981	0.7	
9	Demonstrator of a Low-Cost Hand Prosthesis. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 15998-16003	0.7	
8	Compact Microscope Module for High- Throughput Microscopy. <i>Current Directions in Biomedical Engineering</i> , <b>2020</b> , 6, 530-533	0.5	
7	Investigation of vibration parameters for needle insertion force reduction. <i>Current Directions in Biomedical Engineering</i> , <b>2020</b> , 6, 608-611	0.5	
6	Diagnostic Capabilities of a Smartphone- Based Low-Cost Microscope. <i>Current Directions in Biomedical Engineering</i> , <b>2020</b> , 6, 522-525	0.5	
5	Development of a realistic venepuncture phantom. <i>Current Directions in Biomedical Engineering</i> , <b>2020</b> , 6, 402-405	0.5	
4	The effects of ICU specific nutrition management, as a human factor by using Stochastic Targeted glycaemic control**Research is supported by EU FP7 IRSES, Engineering Technology based Innovation in Medicine, Grant No. 318943 and Hungarian National Scientific Research Foundation, Grant No. K14-6574. Financial support is provided by the Hungarian Government and the Ministry of Human Resources Management.	0.7	
3	Towards automated and painless venipuncture Vibratory needle insertion techniques. <i>Current Directions in Biomedical Engineering</i> , <b>2019</b> , 5, 157-160	0.5	
2	Low-turbulence displacement-flow for an operating environment. <i>Current Directions in Biomedical Engineering</i> , <b>2019</b> , 5, 509-511	0.5	
1	Low-cost active knee orthoses in systematic evaluation. <i>Current Directions in Biomedical Engineering</i> , <b>2018</b> , 4, 649-652	0.5	