

# Leszek Pstras

## List of Publications by Year in descending order

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18  
papers

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citations

1683934

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1199470

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19  
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19  
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times ranked

224  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dialysis therapies: Investigation of transport and regulatory processes using mathematical modelling. <i>Biocybernetics and Biomedical Engineering</i> , 2022, 42, 60-78.	3.3	2
2	Monitoring relative blood volume changes during hemodialysis: Impact of the priming procedure. <i>Artificial Organs</i> , 2021, 45, 1189-1194.	1.0	5
3	Calculation of the Gibbs-Donnan factors for multi-ion solutions with non-permeating charge on both sides of a permselective membrane. <i>Scientific Reports</i> , 2021, 11, 22150.	1.6	5
4	Transcapillary transport of water, small solutes and proteins during hemodialysis. <i>Scientific Reports</i> , 2020, 10, 18736.	1.6	11
5	Relative blood volume changes during haemodialysis estimated from haemoconcentration markers. <i>Scientific Reports</i> , 2020, 10, 14809.	1.6	11
6	FP623THE IMPACT OF INTER-INDIVIDUAL VARIATION IN THE FRANK-STARLING MECHANISM ON BLOOD PRESSURE RESPONSE TO HAEMODIALYSIS – A MODELLING STUDY. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, .	0.4	0
7	Mathematical Modelling of Haemodialysis. , 2019, , .		6
8	Introduction to Renal Replacement Therapy. , 2019, , 1-19.		0
9	Hemodialysis-induced changes in hematocrit, hemoglobin and total protein: Implications for relative blood volume monitoring. <i>PLoS ONE</i> , 2019, 14, e0220764.	1.1	14
10	Computational Simulations of Patient’s Response to Fluid and Solute Removal by Haemodialysis. , 2019, , 117-137.		0
11	Conclusions, Challenges and Directions for Future Research in Haemodialysis Modelling. , 2019, , 139-149.		0
12	Integrated Model of Cardiovascular System, Body Fluids and Haemodialysis Treatment: Structure, Equations and Parameters. , 2019, , 21-85.		0
13	Modeling Pathological Hemodynamic Responses to the Valsalva Maneuver. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	0.6	4
14	The Valsalva manoeuvre: physiology and clinical examples. <i>Acta Physiologica</i> , 2016, 217, 103-119.	1.8	115
15	A modification to the Valsalva manoeuvre improves its effectiveness in treating supraventricular tachycardia. <i>Evidence-based Nursing</i> , 2016, 19, 77-77.	0.1	1
16	Mathematical modelling of cardiovascular response to the Valsalva manoeuvre. <i>Mathematical Medicine and Biology</i> , 2016, 34, dqw008.	0.8	14
17	In search of the optimal Valsalva maneuver position for the treatment of supraventricular tachycardia. <i>American Journal of Emergency Medicine</i> , 2016, 34, 2247.	0.7	2
18	Valsalva manoeuvre using a syringe: physics and implications. <i>Emergency Medicine Journal</i> , 2016, 33, 831-831.	0.4	4