Paul Stewart

List of Publications by Year
in descending order

44 papers	630 citations	840776 11 h-index	610901 24 g-index
49 all docs	49 docs citations	49 times ranked	569 citing authors

#	ARTICLE	IF	CITATIONS
1	An Analysis of Frequency of Continuous Blood Pressure Variation and Haemodynamic Responses during Haemodialysis. Blood Purification, 2022, 51, 435-449.	1.8	4
2	A Feasibility Study of Non-Invasive Continuous Estimation of Brachial Pressure Derived From Arterial and Venous Lines During Dialysis. IEEE Journal of Translational Engineering in Health and Medicine, 2021, 9, 1-9.	3.7	10
3	Noninvasive continuous intradialytic blood pressure monitoring. Current Opinion in Nephrology and Hypertension, 2021, Publish Ahead of Print, 559-562.	2.0	0
4	Application of the Lomb-Scargle Periodogram to InvestigateHeart Rate Variability during Haemodialysis. Journal of Healthcare Engineering, 2020, 2020, 1-18.	1.9	5
5	SP541MEASURING PRESSURE WAVES IN DIALYSIS LINES TO DERIVE CONTINUOUS ARTERIAL BLOOD PRESSURE: PILOT WORK IN AN IN VITRO AND IN SILICO MODEL. Nephrology Dialysis Transplantation, 2019, 34, .	0.7	1
6	FP630DEVELOPMENT OF AN IN VITRO SIMULATION MODEL TO INVESTIGATE HAEMODYNAMIC RESPONSES DURING HAEMODIALYSIS. Nephrology Dialysis Transplantation, 2019, 34, .	0.7	1
7	Condition Parameter Estimation for Photovoltaic Buck Converters Based on Adaptive Model Observers. IEEE Transactions on Reliability, 2017, 66, 148-160.	4.6	44
8	Primary and Albedo Solar Energy Sources for High Altitude Persistent Air Vehicle Operation. Energies, 2017, 10, 573.	3.1	6
9	Electrical Power and Energy Systems for Transportation Applications. Energies, 2016, 9, 545.	3.1	1
10	Toward a More Realistic, Cost-Effective, and Greener Ground Movement Through Active Routing: A Multiobjective Shortest Path Approach. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 3524-3540.	8.0	36
11	A new aircraft architecture based on the ACHEON Coanda effect nozzle: flight model and energy evaluation. European Transport Research Review, 2016, 8, .	4.8	8
12	Integrated flight/thrust vectoring control for jet-powered unmanned aerial vehicles with ACHEON propulsion. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 1057-1075.	1.3	13
13	A heuristic approach to greener airport ground movement. , 2014, , .		13
14	Aircraft taxi time prediction: Comparisons and insights. Applied Soft Computing Journal, 2014, 14, 397-406.	7.2	47
15	A review of thrust-vectoring in support of a V/STOL non-moving mechanical propulsion system. Open Engineering, 2013, 3, .	1.6	21
16	The trade-off between taxi time and fuel consumption in airport ground movement. Public Transport, 2013, 5, 25-40.	2.7	94
17	Energy harvesting and power network architectures for the multibody advanced airship for transport high altitude cruiserâ€"feeder airship concept. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2013, 227, 586-598.	1.3	9
18	Real-time thermal management of permanent magnet synchronous motors by resistance estimation. IET Electric Power Applications, 2012, 6, 716.	1.8	9

#	Article	IF	Citations
19	MAAT high altitude cruiser feeder airship concept. , 2012, , .		1
20	Trend extraction based on Hilbert-Huang transform. , 2012, , .		0
21	A controlled migration genetic algorithm operator for hardware-in-the-loop experimentation. Engineering Applications of Artificial Intelligence, 2011, 24, 586-594.	8.1	7
22	Internal combustion engine control for series hybrid electric vehicles by parallel and distributed genetic programming/multiobjective genetic algorithms. International Journal of Systems Science, 2011, 42, 249-261.	5.5	7
23	Planning aircraft taxiing trajectories via a multi-ojective immune optimisation. , 2011, , .		15
24	Study of near consensus complex social networks using eigen theory. , 2011, , .		0
25	A novel genetic programming approach to the design of engine control systems for the voltage stabilization of hybrid electric vehicle generator outputs. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2011, 225, 1334-1346.	1.9	6
26	Comparison of two novel MRAS based strategies for identifying parameters in permanent magnet synchronous motors. International Journal of Automation and Computing, 2010, 7, 516-524.	4.5	29
27	Multi-objective evolutionary—fuzzy augmented flight control for an F16 aircraft. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2010, 224, 293-309.	1.3	11
28	Improved decision support for engine-in-the-loop experimental design optimization. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2010, 224, 201-218.	1.9	5
29	Methods of Resistance Estimation in Permanent Magnet Synchronous Motors for Real-Time Thermal Management. IEEE Transactions on Energy Conversion, 2010, 25, 698-707.	5.2	88
30	Generator voltage stabilisation for series-hybrid electric vehicles. ISA Transactions, 2008, 47, 222-228.	5.7	6
31	Multiobjective analysis for the design and control of an electromagnetic valve actuator. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2007, 221, 567-577.	1.9	17
32	Generator Voltage Stabilisation for the Series-Hybrid Vehicle. , 2007, , .		1
33	Generator voltage stabilisation for the series-hybrid vehicle. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 97-102.	0.4	0
34	Automotive drive by wire controller design by multi-objective techniques. Control Engineering Practice, 2005, 13, 257-264.	5.5	26
35	Design of robust fuzzy-logic control systems by multi-objective evolutionary methods with hardware in the loop. Engineering Applications of Artificial Intelligence, 2004, 17, 275-284.	8.1	33
36	Dynamic model tracking design for low inertia, high speed permanent magnet ac motors. ISA Transactions, 2004, 43, 111-122.	5.7	5

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37	Drive-by-Wire Control of Automotive Driveline Oscillations by Response Surface Methodology. IEEE Transactions on Control Systems Technology, 2004, 12, 737-741.	5.2	9
38	Commutation of permanent-magnet synchronous AC motors for military and traction applications. IEEE Transactions on Industrial Electronics, 2003, 50, 629-630.	7.9	2
39	Real-time simulation and control systems design by the Response Surface Methodology and designed experiments. International Journal of Systems Science, 2003, 34, 837-850.	5.5	4
40	Torque Maximisation Of The Pmac Motor For High Performance, Low Inertia Operation. Asian Journal of Control, 2003, 5, 58-64.	3.0	0
41	Tailoring force-displacement characteristics in medium-stroke linear variable reluctance actuators. IEEE Transactions on Magnetics, 2002, 38, 3267-3269.	2.1	10
42	The Response Surface Methodology for Real-time Distributed Simulation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 128-133.	0.4	4
43	Dynamic model reference PI control of permanent magnet AC motor drives. Control Engineering Practice, 2001, 9, 1255-1263.	5.5	22
44	Multifunctional Unmanned Reconnaissance Aircraft for Low-Speed and STOL Operations. , 0, , .		0