

# Felician Campean

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

325  
citations

1163117

8  
h-index

996975

15  
g-index

41  
all docs

41  
docs citations

41  
times ranked

279  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive review of VPPs planning, operation and scheduling considering the uncertainties related to renewable energy sources. IET Energy Systems Integration, 2019, 1, 147-157.	1.8	57
2	Performance evaluation of metamodelling methods for engineering problems: towards a practitioner guide. Structural and Multidisciplinary Optimization, 2020, 61, 159-186.	3.5	31
3	Quantum ReLU activation for Convolutional Neural Networks to improve diagnosis of Parkinson's disease and COVID-19. Expert Systems With Applications, 2022, 187, 115892.	7.6	30
4	Function modeling using the system state flow diagram. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2017, 31, 413-435.	1.1	22
5	Supporting designers: moving from method managerie to method ecosystem. Design Science, 2020, 6, .	2.1	21
6	Enhanced Sequence Diagram for Function Modelling of Complex Systems. Procedia CIRP, 2017, 60, 273-278.	1.9	14
7	Diagnostics and prognostics for complex systems: A review of methods and challenges. Quality and Reliability Engineering International, 2021, 37, 3746-3778.	2.3	14
8	Towards a Data Quality Framework for Heterogeneous Data. , 2017, , .		12
9	Implementing Failure Mode Avoidance. , 0, , .		11
10	A Function Failure Approach to Fault Tree Analysis for Automotive Systems. , 0, , .		10
11	Towards an Integrated Approach to Verification and Model-Based Testing in System Engineering. , 2017, , .		10
12	A comparison of two methods of analysing staircase fatigue test data. Quality and Reliability Engineering International, 2008, 24, 485-497.	2.3	9
13	Application of permutation genetic algorithm for sequential model building's model validation design of experiments. Soft Computing, 2016, 20, 3023-3044.	3.6	8
14	Design Verification as a Key Deliverable of Function Failure Avoidance. SAE International Journal of Materials and Manufacturing, 0, 3, 445-453.	0.3	7
15	A Structured Approach for Function Based Decomposition of Complex Multi-disciplinary Systems. Lecture Notes in Production Engineering, 2013, , 113-123.	0.4	7
16	Analytical Target Cascading Framework for Diesel Engine Calibration Optimisation. , 2014, , .		6
17	Automotive IVHM: Towards Intelligent Personalised Systems Healthcare. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 857-866.	0.6	6
18	Evaluation of zero-dimensional stochastic reactor modelling for a Diesel engine application. International Journal of Engine Research, 2020, 21, 592-609.	2.3	6

#	ARTICLE	IF	CITATIONS
19	PermGA algorithm for a sequential optimal space filling DoE framework. , 2014, , .		5
20	Formal Modelling of Cruise Control System Using Event-B and Rodin Platform. , 2018, , .		5
21	Design for Reliability of an Engine Timing Chain. , 2009, , .		4
22	Ergonomic Data Measuring System for Driver-Pedals Interaction. SAE International Journal of Passenger Cars - Mechanical Systems, 2009, 2, 1071-1078.	0.4	4
23	A framework for complex product architecture analysis using an integrated approach. Concurrent Engineering Research and Applications, 2016, 24, 195-210.	3.2	4
24	A Systems Approach to the Development of Enhanced Learning for Engineering Systems Design Analysis. Procedia CIRP, 2017, 60, 530-535.	1.9	4
25	Exponential age sensitive method for failure rank estimation. Quality and Reliability Engineering International, 2000, 16, 291-300.	2.3	3
26	Analytical Life Prediction Modelling of an Automotive Timing Belt. , 2008, , .		3
27	Reliability-inspired species conservation for multimodal functions. , 2010, , .		3
28	Functional modelling of complex multi-disciplinary systems using the enhanced sequence diagram. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2020, 31, 429-448.	2.1	3
29	Function-Based Conceptual Design Expert (CDE) Systems: Development Trend and Gaps Identification. Applied Mechanics and Materials, 0, 564, 590-596.	0.2	2
30	Simultaneous Uniform DoEs for Model Building and Validation in the Multidisciplinary Optimization Framework. , 2006, , .		1
31	Vehicle Foresight: Customer Correlation of Engine Components Tests Using Life Prediction Modelling. , 0, , .		0
32	Automotive Customer Satisfaction Data Analysis Using Logistic Regression. , 0, , .		0
33	Use of Transfer Functions to Investigate the Robustness of an In-Tank Fuel Delivery system. SAE International Journal of Engines, 0, 1, 1020-1027.	0.4	0
34	Evaluation of Camshaft Control Strategies for a GDI Engine using a Multidisciplinary Optimisation Framework. , 2014, , .		0
35	Truss topology optimization with species conserving genetic algorithm. , 2014, , .		0
36	An Axiomatic Categorisation Framework for the Dynamic Alignment of Disparate Functions in Cyber-physical Systems. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 3581-3590.	0.6	0

#	ARTICLE	IF	CITATIONS
37	Engineering Data& ModelDriven Applications: <sc>EDMA</sc>â€2017 special issue editorial. Expert Systems, 2021, 38, e12745.	4.5	0
38	Application of Analytical Target Cascading for Engine Calibration Optimization Problem. , 2014, , .		0
39	Co-modelling Strategy for Development of Airpath Metamodel on Multi-physics Simulation Platform. Advances in Intelligent Systems and Computing, 2020, , 504-516.	0.6	0
40	Validation of a multi-physics simulation platform for engine emissions modelling. International Journal of Engine Research, 2023, 24, 672-687.	2.3	0