

Felix Schmid

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

691
citations

759233

12
h-index

552781

26
g-index

37
all docs

37
docs citations

37
times ranked

532
citing authors

#	ARTICLE	IF	CITATIONS
1	A reliability centered approach to remote condition monitoring. A railway points case study. Reliability Engineering and System Safety, 2003, 80, 33-40.	8.9	114
2	An assessment of available measures to reduce traction energy use in railway networks. Energy Conversion and Management, 2015, 106, 1149-1165.	9.2	98
3	A knowledge graph-based approach for exploring railway operational accidents. Reliability Engineering and System Safety, 2021, 207, 107352.	8.9	52
4	A digital filter-based approach to the remote condition monitoring of railway turnouts. Reliability Engineering and System Safety, 2007, 92, 830-840.	8.9	44
5	Understanding railway operational accidents using network theory. Reliability Engineering and System Safety, 2019, 189, 218-231.	8.9	44
6	RCM2 predictive maintenance of railway systems based on unobserved components models. Reliability Engineering and System Safety, 2004, 83, 103-110.	8.9	41
7	Unobserved Component models applied to the assessment of wear in railway points: A case study. European Journal of Operational Research, 2007, 176, 1703-1712.	5.7	41
8	Wear assessment employing remote condition monitoring: a case study. Wear, 2003, 255, 1209-1220.	3.1	33
9	A Topology-Based Model for Railway Train Control Systems. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 819-827.	8.0	30
10	Multisensor Integration Methods in the Development of a Fault-Tolerant Train Navigation System. Journal of Navigation, 2003, 56, 385-398.	1.7	24
11	Modeling and Solving Real-Time Train Rescheduling Problems in Railway Bottleneck Sections. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1896-1904.	8.0	22
12	Benchmarking and evaluation of railway operations performance. Journal of Rail Transport Planning and Management, 2015, 5, 274-293.	1.4	15
13	A novel framework for supporting the design of moving block train control system schemes. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2014, 228, 784-793.	2.0	13
14	Overcoming barriers to transferring systems engineering practices into the rail sector. Systems Engineering, 2012, 15, 203-212.	2.7	12
15	Delay management and energy consumption minimisation on a single-track railway. IET Intelligent Transport Systems, 2016, 10, 50-57.	3.0	12
16	Development issues for impact safety of rail vehicles: Robustness of crashworthy designs, effect of structural crashworthiness on passenger safety and behaviour characterisation of vehicle materials. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 461-470.	2.0	12
17	Feasibility of discontinuous electrification on the Great Western Main Line determined by train simulation. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2013, 227, 296-306.	2.0	11
18	Managing incidents in a complex system: a railway case study. Cognition, Technology and Work, 2014, 16, 171-185.	3.0	11

#	ARTICLE	IF	CITATIONS
19	Evaluation of Permanent Magnet Motor energy saving technology for different types of railways. , 2016, , .		8
20	Rail vehicle impact analysis: A critique of the suitability of the rigid wall model and the assumption of symmetrical behaviour. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2015, 229, 173-185.	2.0	7
21	Standardised approach to energy consumption calculations for high-speed rail. IET Electrical Systems in Transportation, 2016, 6, 179-189.	2.4	7
22	Carbon-reduction potential of electrification on China's railway transport: An analysis of three possible future scenarios. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2021, 235, 226-235.	2.0	7
23	Rail vehicle impact analysis: The instable propensity of structural responses and the critical scenarios of structural failure. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2016, 230, 681-696.	2.0	6
24	Voltage transient management for Alternating Current trains with vacuum circuit breakers. IET Electrical Systems in Transportation, 2022, 12, 1-14.	2.4	6
25	Tangential force variation due to the bogie direction reversal procedure. Vehicle System Dynamics, 2007, 45, 359-373.	3.7	5
26	Optimised Headway Distance Moving Block with Capacity Analysis. , 2018, , .		5
27	Applying metamodeling techniques in the design and optimization of train wheel detector. Sensor Review, 2012, 32, 327-336.	1.8	3
28	Driving style for better fuel economy. Proceedings of the Institution of Civil Engineers: Transport, 2017, 170, 131-139.	0.6	3
29	Special issue on freight: Part 2. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2001, 215, i-vii.	2.0	2
30	A systems study of influential railway strategy documents. Proceedings of the Institution of Civil Engineers: Transport, 2016, 169, 272-282.	0.6	1
31	A systems approach to developing a new metro for megalopoleis. Proceedings of the Institution of Civil Engineers: Transport, 2016, 169, 249-261.	0.6	1
32	IEEE International Conference on Intelligent Rail Transportation [Conference Report]. IEEE Intelligent Transportation Systems Magazine, 2014, 6, 74-75.	3.8	0
33	Application of system dynamics tools to model 24-hour metro systems: Integration of system engineering and operation management. , 2016, , .		0
34	Analysis of the robustness of terminal turnaround arrangements for railways. IET Intelligent Transport Systems, 2016, 10, 41-49.	3.0	0
35	Establishing the relationship between railway safety and operational performance. International Journal of Transport Development and Integration, 2017, 2, 98-114.	0.9	0