

# Daniel Alvear

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

678  
citations

759233

12  
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610901

24  
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49  
all docs

49  
docs citations

49  
times ranked

471  
citing authors

#	ARTICLE	IF	CITATIONS
1	The evaluation of different evacuation models for assessing road tunnel safety analysis. <i>Tunnelling and Underground Space Technology</i> , 2012, 30, 74-84.	6.2	88
2	Round-robin study of a priori modelling predictions of the Dalmarnock Fire Test One. <i>Fire Safety Journal</i> , 2009, 44, 590-602.	3.1	84
3	A real-time stochastic evacuation model for road tunnels. <i>Safety Science</i> , 2013, 52, 73-80.	4.9	42
4	Decision support system for emergency management: Road tunnels. <i>Tunnelling and Underground Space Technology</i> , 2013, 34, 13-21.	6.2	39
5	Analysis of evacuation procedures in high speed trains fires. <i>Fire Safety Journal</i> , 2012, 49, 35-46.	3.1	34
6	Study of tunnel pavements behaviour in fire by using coupled cone calorimeter " FTIR analysis. <i>Fire Safety Journal</i> , 2016, 81, 1-7.	3.1	34
7	A Stochastic Approach for Simulating Human Behaviour During Evacuation Process in Passenger Trains. <i>Fire Technology</i> , 2012, 48, 911-925.	3.0	30
8	Real-time evacuation route selection methodology for complex buildings. <i>Fire Safety Journal</i> , 2017, 91, 947-954.	3.1	27
9	School egress data: comparing the configuration and validation of five egress modelling tools. <i>Fire and Materials</i> , 2017, 41, 535-554.	2.0	23
10	Methods for measuring collective behaviour in evacuees. <i>Safety Science</i> , 2016, 88, 54-63.	4.9	19
11	Testing a real-time intelligent evacuation guiding system for complex buildings. <i>Safety Science</i> , 2020, 132, 104970.	4.9	16
12	Real-time Stochastic Evacuation Models for Decision Support in Actual Emergencies. <i>Fire Safety Science</i> , 2014, 11, 1063-1076.	0.3	14
13	Heat release rate and computer fire modelling vs real-scale fire tests in passenger trains. <i>Fire and Materials</i> , 2008, 32, 213-229.	2.0	13
14	Scale Tests of Smoke Filling in Large Atria. <i>Fire Technology</i> , 2009, 45, 201-220.	3.0	13
15	A new method for assessing the application of deterministic or stochastic modelling approach in evacuation scenarios. <i>Fire Safety Journal</i> , 2014, 65, 11-18.	3.1	13
16	Bearing assessment tool for longitudinal bridge performance. <i>Journal of Civil Structural Health Monitoring</i> , 2020, 10, 1023-1036.	3.9	13
17	An experimental data-set on merging flows in rail tunnel evacuation. <i>Tunnelling and Underground Space Technology</i> , 2017, 70, 155-165.	6.2	12
18	A new approach to protect soft-targets from terrorist attacks. <i>Safety Science</i> , 2019, 120, 877-885.	4.9	12

#	ARTICLE	IF	CITATIONS
19	Alone or with others: Experiments on evacuation decision making. <i>Fire Safety Journal</i> , 2021, 120, 103018.	3.1	12
20	On the use of stochastic simulations to explore the impact of human parameters on mass public shooting attacks. <i>Safety Science</i> , 2019, 120, 941-949.	4.9	11
21	Future Challenges in Evacuation Modelling. , 2016, , 103-129.		9
22	Assessment of Physical Phenomena Associated to Fire Doors During Standard Tests. <i>Fire Technology</i> , 2013, 49, 357-378.	3.0	8
23	Assessing the influence of the input variables employed by fire dynamics simulator (FDS) software to model numerically solid-phase pyrolysis of cardboard. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 263-273.	3.6	8
24	The Impact of a Change on the Size of the Smoke Compartment in the Evacuation of Health Care Facilities. <i>Fire Technology</i> , 2018, 54, 335-354.	3.0	8
25	Numerical Simulation of Fire Growth, Transition to Flashover, and Post-Flashover Dynamics in the Dalmarnock Fire Test. <i>Fire Safety Science</i> , 2008, 9, 1377-1388.	0.3	8
26	An Evacuation Model for Risk Analysis in Spanish Road Tunnels. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 162, 208-217.	0.5	7
27	Assessment of fire behaviour of high-speed trains' interior materials: small-scale and full-scale fire tests. <i>Fire and Materials</i> , 2014, 38, 725-743.	2.0	7
28	Thermal oxidative decomposition estimation combining TGA and DSC as optimization targets for PMMA. <i>Journal of Physics: Conference Series</i> , 2018, 1107, 032011.	0.4	7
29	Influence of the STA boundary conditions on thermal decomposition of thermoplastic polymers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 2457-2468.	3.6	7
30	LLDPE kinetic properties estimation combining thermogravimetry and differential scanning calorimetry as optimization targets. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 2703-2713.	3.6	7
31	Pyrolysis Characterization of a Lineal Low Density Polyethylene. <i>Fire Safety Science</i> , 2011, 10, 877-888.	0.3	7
32	Assessment of Lightweight Concrete Thermal Properties at Elevated Temperatures. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10023.	2.5	7
33	Experimental review of oxygen content at mixing layer in cone calorimeter. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 639-654.	3.6	6
34	Evacuation Modeling Trends. , 2016, , .		6
35	Evacuation Modelling of Fire Scenarios in Passenger Trains. , 2010, , 705-711.		6
36	Gypsum board failure model based on cardboard behaviour. <i>Fire and Materials</i> , 2018, 42, 221-233.	2.0	5

#	ARTICLE	IF	CITATIONS
37	Intelligent emergency management system for railway transport. Transportation Research Procedia, 2021, 58, 193-200.	1.5	5
38	A Simple Direct Method to Obtain Kinetic Parameters for Polymer Thermal Decomposition. Applied Sciences (Switzerland), 2021, 11, 11300.	2.5	4
39	Thermal characterization of building assemblies by means of transient data assimilation. Energy and Buildings, 2017, 155, 128-142.	6.7	3
40	Innovations for smoke management in passenger trains. Journal of Fire Sciences, 2020, 38, 194-211.	2.0	1
41	ANÁLISIS EXPERIMENTAL DE HORMIGONES EXPUESTOS AL FUEGO. EVALUACIÓN DE VARIABLES HIDRO-TÉRMICAS. Dyna (Spain), 2011, 86, 575-584.	0.2	1
42	Modelado de las solicitaciones de los elementos estructurales de hormigón en edificios de gran altura en incendios reales. Informes De La Construcción, 2011, 63, 83-91.	0.3	1
43	Influencia del mallado en el modelado computacional de incendios en centrales nucleares. Informes De La Construcción, 2018, 70, 238.	0.3	1
44	Introduction to this Special Issue. Fire Technology, 2009, 45, 145-146.	3.0	0
45	A Method to Assess the Accuracy of Pseudo-Random Number Sampling Methods from Evacuation Datasets. Fire Technology, 2018, 54, 649-668.	3.0	0
46	The Influence of the Exterior Temperature on natural Venting Systems in Large Atria. Informes De La Construcción, 2008, 60, .	0.3	0