

# Daniel Alvear

## List of Publications by Year in descending order

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49  
docs citations

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times ranked

471  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alone or with others: Experiments on evacuation decision making. Fire Safety Journal, 2021, 120, 103018.	3.1	12
2	Assessment of Lightweight Concrete Thermal Properties at Elevated Temperatures. Applied Sciences (Switzerland), 2021, 11, 10023.	2.5	7
3	A Simple Direct Method to Obtain Kinetic Parameters for Polymer Thermal Decomposition. Applied Sciences (Switzerland), 2021, 11, 11300.	2.5	4
4	Intelligent emergency management system for railway transport. Transportation Research Procedia, 2021, 58, 193-200.	1.5	5
5	Assessing the influence of the input variables employed by fire dynamics simulator (FDS) software to model numerically solid-phase pyrolysis of cardboard. Journal of Thermal Analysis and Calorimetry, 2020, 140, 263-273.	3.6	8
6	Innovations for smoke management in passenger trains. Journal of Fire Sciences, 2020, 38, 194-211.	2.0	1
7	Testing a real-time intelligent evacuation guiding system for complex buildings. Safety Science, 2020, 132, 104970.	4.9	16
8	Bearing assessment tool for longitudinal bridge performance. Journal of Civil Structural Health Monitoring, 2020, 10, 1023-1036.	3.9	13
9	Influence of the STA boundary conditions on thermal decomposition of thermoplastic polymers. Journal of Thermal Analysis and Calorimetry, 2019, 138, 2457-2468.	3.6	7
10	On the use of stochastic simulations to explore the impact of human parameters on mass public shooting attacks. Safety Science, 2019, 120, 941-949.	4.9	11
11	A new approach to protect soft-targets from terrorist attacks. Safety Science, 2019, 120, 877-885.	4.9	12
12	LLDPE kinetic properties estimation combining thermogravimetry and differential scanning calorimetry as optimization targets. Journal of Thermal Analysis and Calorimetry, 2019, 138, 2703-2713.	3.6	7
13	Gypsum board failure model based on cardboard behaviour. Fire and Materials, 2018, 42, 221-233.	2.0	5
14	A Method to Assess the Accuracy of Pseudo-Random Number Sampling Methods from Evacuation Datasets. Fire Technology, 2018, 54, 649-668.	3.0	0
15	Thermal oxidative decomposition estimation combining TGA and DSC as optimization targets for PMMA. Journal of Physics: Conference Series, 2018, 1107, 032011.	0.4	7
16	The Impact of a Change on the Size of the Smoke Compartment in the Evacuation of Health Care Facilities. Fire Technology, 2018, 54, 335-354.	3.0	8
17	Influencia del mallado en el modelado computacional de incendios en centrales nucleares. Informes De La Construccion, 2018, 70, 238.	0.3	1
18	Real-time evacuation route selection methodology for complex buildings. Fire Safety Journal, 2017, 91, 947-954.	3.1	27

#	ARTICLE	IF	CITATIONS
19	Thermal characterization of building assemblies by means of transient data assimilation. Energy and Buildings, 2017, 155, 128-142.	6.7	3
20	An experimental data-set on merging flows in rail tunnel evacuation. Tunnelling and Underground Space Technology, 2017, 70, 155-165.	6.2	12
21	Experimental review of oxygen content at mixing layer in cone calorimeter. Journal of Thermal Analysis and Calorimetry, 2017, 129, 639-654.	3.6	6
22	School egress data: comparing the configuration and validation of five egress modelling tools. Fire and Materials, 2017, 41, 535-554.	2.0	23
23	Methods for measuring collective behaviour in evacuees. Safety Science, 2016, 88, 54-63.	4.9	19
24	Study of tunnel pavements behaviour in fire by using coupled cone calorimeter " FTIR analysis. Fire Safety Journal, 2016, 81, 1-7.	3.1	34
25	Evacuation Modeling Trends. , 2016, , .		6
26	Future Challenges in Evacuation Modelling. , 2016, , 103-129.		9
27	An Evacuation Model for Risk Analysis in Spanish Road Tunnels. Procedia, Social and Behavioral Sciences, 2014, 162, 208-217.	0.5	7
28	A new method for assessing the application of deterministic or stochastic modelling approach in evacuation scenarios. Fire Safety Journal, 2014, 65, 11-18.	3.1	13
29	Assessment of fire behaviour of high-speed trains' interior materials: small-scale and full-scale fire tests. Fire and Materials, 2014, 38, 725-743.	2.0	7
30	Real-time Stochastic Evacuation Models for Decision Support in Actual Emergencies. Fire Safety Science, 2014, 11, 1063-1076.	0.3	14
31	Decision support system for emergency management: Road tunnels. Tunnelling and Underground Space Technology, 2013, 34, 13-21.	6.2	39
32	A real-time stochastic evacuation model for road tunnels. Safety Science, 2013, 52, 73-80.	4.9	42
33	Assessment of Physical Phenomena Associated to Fire Doors During Standard Tests. Fire Technology, 2013, 49, 357-378.	3.0	8
34	A Stochastic Approach for Simulating Human Behaviour During Evacuation Process in Passenger Trains. Fire Technology, 2012, 48, 911-925.	3.0	30
35	Analysis of evacuation procedures in high speed trains fires. Fire Safety Journal, 2012, 49, 35-46.	3.1	34
36	The evaluation of different evacuation models for assessing road tunnel safety analysis. Tunnelling and Underground Space Technology, 2012, 30, 74-84.	6.2	88

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37	Pyrolysis Characterization of a Lineal Low Density Polyethylene. Fire Safety Science, 2011, 10, 877-888.	0.3	7
38	ANÁLISIS EXPERIMENTAL DE HORMIGONES EXPUESTOS AL FUEGO. EVALUACIÓN DE VARIABLES HIDRO-TÉRMICAS. Dyna (Spain), 2011, 86, 575-584.	0.2	1
39	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
40	Evacuation Modelling of Fire Scenarios in Passenger Trains. , 2010, , 705-711.		6
41	Scale Tests of Smoke Filling in Large Atria. Fire Technology, 2009, 45, 201-220.	3.0	13
42	Introduction to this Special Issue. Fire Technology, 2009, 45, 145-146.	3.0	0
43	Round-robin study of a priori modelling predictions of the Dalmarnock Fire Test One. Fire Safety Journal, 2009, 44, 590-602.	3.1	84
44	Heat release rate and computer fire modelling vs real scale fire tests in passenger trains. Fire and Materials, 2008, 32, 213-229.	2.0	13
45	Numerical Simulation of Fire Growth, Transition to Flashover, and Post-Flashover Dynamics in the Dalmarnock Fire Test. Fire Safety Science, 2008, 9, 1377-1388.	0.3	8
46	The Influence of the Exterior Temperature on natural Venting Systems in Large Atria. Informes De La Construcción, 2008, 60, .	0.3	0