

# Frank Markert

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

344  
citations

759233

12  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of the failure probability of the overhead power line exposed to large-scale jet fires induced by high-pressure gas leakage. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 2413-2431.	7.1	10
2	Thermogravimetric analysis, differential scanning calorimetry and time-to-ignition of wood materials treated with water glass flame retardants. <i>Wood Research</i> , 2021, 66, 15-26.	0.6	1
3	Ceiling jet velocity during the whole process of fire development in a tunnel. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021, 212, 104588.	3.9	4
4	Study on the effect of tunnel dimensions on the smoke layer thickness in naturally ventilated short tunnel fires. <i>Tunnelling and Underground Space Technology</i> , 2021, 112, 103941.	6.2	13
5	The necessity of accelerated ageing in fire performance assessments of composite materials. <i>Safety Science</i> , 2021, 141, 105358.	4.9	5
6	Experimental study of heat exhaust efficiency with natural ventilation in tunnel fire: Impact of shaft height and heat release rate. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020, 201, 104173.	3.9	24
7	Risk and sustainability analysis of complex hydrogen infrastructures. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 7698-7706.	7.1	28
8	Numerical analysis of accidental hydrogen releases from high pressure storage at low temperatures. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 7356-7364.	7.1	12
9	Achievements of the EC network of excellence HySafe. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 2656-2665.	7.1	19
10	Safety-barrier diagrams as a tool for modelling safety of hydrogen applications. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 5862-5868.	7.1	24
11	Safety aspects of future infrastructure scenarios with hydrogen refuelling stations. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 2227-2234.	7.1	53
12	Airbag for the closing of pipelines on explosions and leakages. <i>Journal of Loss Prevention in the Process Industries</i> , 2007, 20, 589-598.	3.3	4
13	Combustion products generated by hetero-organic fuels on four different fire test scales. <i>Fire Safety Journal</i> , 2005, 40, 439-465.	3.1	29
14	Assessment of technologies for disposing explosive waste. <i>Journal of Hazardous Materials</i> , 2002, 90, 137-153.	12.4	34
15	SAFETYNET – a European network for process safety. <i>Journal of Hazardous Materials</i> , 2001, 87, 1-10.	12.4	1
16	Assessment and mitigation of the consequences of fires in chemical warehouses. <i>Safety Science</i> , 1998, 30, 33-44.	4.9	12
17	Airborne releases from fires involving chemical waste – A multidisciplinary case study. <i>Journal of Hazardous Materials</i> , 1998, 57, 259-275.	12.4	7
18	UV spectra and kinetics of radicals produced in the gas phase reactions of Cl, F and OH with toluene. <i>Chemical Physics Letters</i> , 1993, 209, 445-454.	2.6	40

#	ARTICLE	IF	CITATIONS
19	Rate constants for the reaction of OH radicals with 1-chloroalkanes at 295 K. Chemical Physics Letters, 1992, 189, 171-174.	2.6	10
20	The reactions of OH radicals with chloroalkanes in the temperature range 295â€“360 K. Chemical Physics Letters, 1992, 194, 123-127.	2.6	14