Juan Francisco Sanchez Perez

List of Publications by Year
in descending order

26 papers	305 citations	933447 10 h-index	888059 17 g-index
26 all docs	26 docs citations	26 times ranked	166 citing authors

#	Article	IF	Citations
1	Simultaneous determination of the position, release time and mass release rate of an unknown gas emission source in short-term emissions by inverse problem. Chemical Engineering Journal, 2022, 445, 136782.	12.7	1
2	Design of a Thermal Measurement System with Vandal Protection Used for the Characterization of New Asphalt Pavements through Discriminated Dimensionless Analysis. Mathematics, 2022, 10, 1924.	2.2	2
3	A Network Model for Electroosmotic and Pressure-Driven Flow in Porous Microfluidic Channels. Mathematics, 2022, 10, 2301.	2.2	1
4	Study of the application of PCM to thermal insulation of UUV hulls using Network Simulation Method. AEJ - Alexandria Engineering Journal, 2021, 60, 4627-4637.	6.4	9
5	Proposal and verification of a new isotherm based on exponential-asymptotic dependence between free and bound chlorides in reinforced concrete. Construction and Building Materials, 2020, 264, 120204.	7.2	2
6	Mathematical Modeling and Simulation of a Gas Emission Source Using the Network Simulation Method. Mathematics, 2020, 8, 1996.	2.2	6
7	Study of Transition Zones in the Carbon Monoxide Catalytic Oxidation on Platinum Using the Network Simulation Method. Mathematics, 2020, 8, 1413.	2.2	2
8	Study of Lotka–Volterra Biological or Chemical Oscillator Problem Using the Normalization Technique: Prediction of Time and Concentrations. Mathematics, 2020, 8, 1324.	2.2	12
9	Modelling of Alumina Splat Solidification on Preheated Steel Substrate Using the Network Simulation Method. Mathematics, 2020, 8, 1568.	2.2	3
10	Universal curves for the solution of chlorides penetration in reinforced concrete, water-saturated structures with bound chloride. Communications in Nonlinear Science and Numerical Simulation, 2020, 84, 105201.	3.3	10
11	Simultaneous determination of initial porosity and diffusivity of water-saturated reinforced concrete subject to chloride penetration by inverse problem. Construction and Building Materials, 2020, 259, 120412.	7.2	4
12	Study of main parameters affecting pitting corrosion in a basic medium using the network method. Results in Physics, 2019, 12, 1015-1025.	4.1	10
13	Relationship between ultraviolet index (UVI) and first-, second- and third-degree sunburn using the Probit methodology. Scientific Reports, 2019, 9, 733.	3.3	29
14	On the nondimensionalization of coupled, nonlinear ordinary differential equations. Nonlinear Dynamics, 2016, 84, 91-105.	5.2	19
15	Numerical Simulation of High-Temperature Oxidation of Lubricants Using the Network Method. Chemical Engineering Communications, 2015, 202, 982-991.	2.6	13
16	An efficient and reliable model based on network method to simulate CO_2 corrosion with protective iron carbonate films. Computers and Chemical Engineering, 2012, 39, 57-64.	3.8	19
17	New Probit equations for the calculation of thermal effects on humans. Chemical Engineering Research and Design, 2010, 88, 109-113.	5.6	8
18	Consequence analysis to buildings from bursting cylindrical vessels. Process Safety Progress, 2009, 28, 179-189.	1.0	2

#	Article	IF	Citations
19	Consequence analysis by means of characteristic curves to determine the damage to humans from bursting spherical vessels. Chemical Engineering Research and Design, 2008, 86, 121-129.	5.6	19
20	Consequence analysis by means of characteristic curves to determine the damage to buildings from bursting spherical vessels. Chemical Engineering Research and Design, 2008, 86, 175-181.	5.6	5
21	Consequence analysis to determine damage to buildings from vapour cloud explosions using characteristic curves. Journal of Hazardous Materials, 2008, 159, 264-270.	12.4	17
22	Consequence analysis by means of characteristic curves to determine the damage to buildings from the detonation of explosive substances as a function of TNT equivalence. Journal of Loss Prevention in the Process Industries, 2008, 21, 74-81.	3.3	15
23	Consequence analysis by means of characteristic curves to determine the damage to humans from the detonation of explosive substances as a function of TNT equivalence. Journal of Loss Prevention in the Process Industries, 2007, 20, 187-193.	3.3	9
24	Characteristic overpressure–impulse–distance curves for vessel burst. Process Safety Progress, 2006, 25, 250-254.	1.0	9
25	Characteristic overpressure–impulse–distance curves for vapour cloud explosions using the TNO Multi-Energy model. Journal of Hazardous Materials, 2006, 137, 734-741.	12.4	39
26	Characteristic overpressure–impulse–distance curves for the detonation of explosives, pyrotechnics or unstable substances. Journal of Loss Prevention in the Process Industries, 2006, 19, 724-728.	3.3	40