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Removal of contaminants released from room surfaces by displacement and mixing ventilation: modeling and validation

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#	Paper	IF	Citations
53	Investigating Indoor Air Quality and Thermal Comfort Using a Numerical Thermal Manikin. <i>Indoor and Built Environment</i> , 2007 , 16, 7-17	1.8	49
52	Transport characteristics of expiratory droplets and droplet nuclei in indoor environments with different ventilation airflow patterns. <i>Journal of Biomechanical Engineering</i> , 2007 , 129, 341-53	2.1	57
51	A Method for Calculating a Ventilation Bypass Factor. <i>Indoor and Built Environment</i> , 2007 , 16, 472-481	1.8	1
50	Contaminants in ventilated filling boxes. <i>Journal of Fluid Mechanics</i> , 2007 , 591, 97-116	3.7	29
49	Study of expiratory droplet dispersion and transport using a new Eulerian modeling approach. <i>Atmospheric Environment</i> , 2007 , 41, 7473-7484	5.3	46
48	CFD boundary conditions for contaminant dispersion, heat transfer and airflow simulations around human occupants in indoor environments. <i>Building and Environment</i> , 2008 , 43, 294-303	6.5	97
47	Applications of high-resolution schemes based on normalized variable formulation for 3D indoor airflow simulations. <i>International Journal for Numerical Methods in Engineering</i> , 2008 , 73, 948-981	2.4	12
46	Effect of source location on particle dispersion in displacement ventilation rooms. <i>Particuology</i> , 2008 , 6, 362-368	2.8	5
45	Response surface models for CFD predictions of air diffusion performance index in a displacement ventilated office. <i>Energy and Buildings</i> , 2008 , 40, 774-781	7	43
44	Influence of cabin conditions on placement and response of contaminant detection sensors in a commercial aircraft. <i>Journal of Environmental Monitoring</i> , 2008 , 10, 71-81		31
43	Experimental Study on Displacement and Mixing Ventilation Systems for a Patient Ward. <i>HVAC and R Research</i> , 2009 , 15, 1175-1191		57
42	Numerical modeling of exhaled droplet nuclei dispersion and mixing in indoor environments. <i>Journal of Hazardous Materials</i> , 2009 , 167, 736-44	12.8	62
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37	Effects of ventilation strategies and source locations on indoor particle deposition. <i>Building and Environment</i> , 2010 , 45, 655-662	6.5	31

36	Effects of supply air temperature and inlet location on particle dispersion in displacement ventilation rooms. <i>Particuology</i> , 2011 , 9, 619-625	2.8	16
35	Numerical evaluation of louver configuration and ventilation strategies for the windcatcher system. <i>Building and Environment</i> , 2011 , 46, 1600-1616	6.5	40
34	Comparison of underfloor and overhead air distribution systems in an office environment. <i>Building and Environment</i> , 2011 , 46, 1415-1427	6.5	37
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26	Chair fan-enhanced displacement ventilation for high IAQ: Effects on particle inhalation and stratification height. <i>Building and Environment</i> , 2015 , 84, 68-79	6.5	19
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