

Ренета Димитрова

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Научни публикации в списания с импакт-фактор: 11

Доклади на международни конференции: 14

Други научни публикации: 11

I. Научни публикации в списания с импакт-фактор

1. Wenbo, T., Knutson, B., Mahalov, A., **Dimitrova, R.**, 2011: The geometry of internal particle mixing in urban flows, from deterministic and random displacement models, *Physics of Fluids*, приета за публикация с минимални поправки
2. **Dimitrova, R.**, Webb, S., Fernando, H.J.S., Pol, S., 2012: Simulations of double-diffusive convection in narrow container, *Engineering and Computational Mechanics*, v.164, Issue 2, EACM-D-10-00027 в процес на отпечатване
3. Fernando, H.J.S., Mammarella, M.C., Grandoni, G., Fedele, P., Di Marco, R., **Dimitrova, R.**, Hyde P., 2012: Forecasting PM10 in Metropolitan Areas: Efficacy Neural Networks, *Environmental Pollution*, v.163, 62-67
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4. **Dimitrova, R.**, Lurpoglukana, N., Hyde, P., Fernando, H.J.S., Runger, G., Hedquist, B., Anderson, J., Bannister, W., Johnson, W., 2011. Relationship between Particulate Matter and Childhood Asthma – basis of a future warning system for Central Phoenix, *Atmos. Chem. Phys. Discuss.*, v.11, 1-35; doi:10.5194/acpd-11-1-2011, приета за публикация в *Atmos. Chem. Phys.*
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1. Fernando, H.J.S., **Dimitrova, R.**, Sentic S., 2012: Climate Change Meets Urban Environment, , Fernando, H.J.S., Klaić, Z., McCulley, J.L. (Eds.), *National Security and Human Health Implications of Climate Change NATO Science for Peace and Security Series C: Environmental Security*, 2012, 115-133, doi:10.1007/978-94-007-2430-3_11;
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2. **Dimitrova, R.**, Hedquist, B.C., Hyde, P., Fernando, H. J. S., Anderson, J., 2009: Air Quality Modeling in Support of Children's Health Studies, *Proc. of the 89th American Meteorological Society Annual Meeting*, Phoenix, Arizona, J20.1;
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12. Gromkova, N., Ganev, K., Yordanov, D., Georgieva, E., **Dimitrova, R.**, Miloshev, N., 2002: Dispersion regulatory model for designing new industrial stacks – software, *Proc. of the 8th Intern. Conf. on Harmonization within Atmospheric Dispersion Modelling for Regulatory purposes*, Sofia, Bulgaria, 14-17 Oct. 2002., pp. 180-184
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III. Други научни публикации

1. **Dimitrova, R.**, Sini, J.-F., Richards, K., Schatzmann, M., 2007: CFD investigation of airflow around a simple obstacle with single heating wall. *EURASAP Newsletter*, v.63, 1-35; <http://www.eurasap.org/UserFiles/File/nl-63.pdf>
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4. ***Dimitrova, R.**, 2001: Air flows and pollution transport in the Sofia valley under highly stable background conditions, *Bulg. Geoph. J.*, XXVII, No 1-4, 124-136
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7. ***Dimitrova, R.**, 1999: Numerical simulation of flow data over two-dimensional hills and valley and comparison with wind tunnel experiment data, *Bulg. Geoph. J.*, XXV, No 1-4, 32-43
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Забележка: Работите означени със звездичка са включени в списъка към дисертацията за получаване на научна степен "Доктор на физическите науки".