

CONTENTS

Number 1

- | | | |
|--|----|---|
| Shanna Ratnesar-Shumate, Chang-Yu Wu, Joe Wander, Dale Lundgren, Sam Farrah, Jin-Hwa Lee, Prinda Wanakule, Matthew Blackburn, Mei-Fang Lan | 1 | Evaluation of Physical Capture Efficiency and Disinfection Capability of an Iodinated Biocidal Filter Medium |
| Hamilton Tsang, Roger Kwok, Antonio H. Miguel | 19 | Pedestrian Exposure to Ultrafine Particles in Hong Kong Under Heavy Traffic Conditions |
| Paradee Chuaybamroong, Piyapong Choomseer, Pipat Sribenjalux | 28 | Comparison between Hospital Single Air Unit and Central Air Unit for Ventilation Performances and Airborne Microbes |
| Elias Vouitsis, Leonidas Ntziachristos, Zissis Samaras | 37 | Theoretical Investigation of the Nucleation Mode Formation Downstream of Diesel After-treatment Devices |
| Neha Dubey, Shamsh Pervez | 54 | Investigation of Variation in Ambient PM ₁₀ Levels within an Urban-Industrial Environment |
| Z.L. Gu, J. Qiu, Y.Z. Zhao, X.P. Hou | 65 | Analysis on Dust Devil Containing Loess Dusts of Different Sizes |
| Xiaohong Xu, Noor-A-Faiza Barsha, Jia Li | 78 | Analyzing Regional Influence of Particulate Matter on the City of Beijing, China |
| Dinesh K. Saxena, Shivom Singh, Kajal Srivastava | 94 | Atmospheric Heavy Metal Deposition in Garhwal Hill Area (India): Estimation Based on Native Moss Analysis |

Number 2

- | | | |
|--|-----|---|
| W. C. Wang, K. S. Chen, S. J. Chen, C. C. Lin, J. H. Tsai, C. H. Lai, S. K. Wang | 112 | Characteristics and Receptor Modeling of Atmospheric PM _{2.5} at Urban and Rural Sites in Pingtung, Taiwan |
| Yuanxun Zhang, Tauseef Quraishi, James Jay Schauer | 130 | Daily Variations in Sources of Carbonaceous Aerosol in Lahore, Pakistan during a High Pollution Spring Episode |
| Ujjwal Kumar, Amit Prakash, V. K. Jain | 147 | A Photochemical Modelling Approach to Investigate O ₃ Sensitivity to NO _x and VOC _s in the Urban Atmosphere of Delhi |
| Su-Jung (Candace) Tsai, Ali Ashter, | 160 | Airborne Nanoparticle Release Associated with |

Earl Ada, Joey L. Mead, Carol F. Barry, Michael J. Ellenbecker		the Compounding of Nanocomposites using Nanoalumina as Fillers
Wen-Hsi Cheng	178	Adsorption Characteristics of Granular Activated Carbon and SPME Indication of VOC _s Breakthrough
Arun Srivastava, Sandeep Gupta, V. K. Jain	188	Source Apportionment of Total Suspended Particulate Matter in Coarse and Fine Size Ranges Over Delhi
Mikhail Titov, Andrew Sturman	201	Evaluation of Proposed Winter PM Concentration Reduction Strategies Using the MM5 and CAMx4 Modelling System - Christchurch, New Zealand, 2005–2013
Fan Mei, Da-Ren Chen	218	Operational Modes of Dual-capillary Electro spraying and the Formation of the Stable Compound Cone-jet Mod

Number 3

Ching-Ho Lin, Yee-Lin Wu, Chin-Hsing Lai, John G. Watson, Judith C. Chow	233	Air Quality Measurements from the Southern Particulate Matter Supersite in Taiwan
Perapong Tekasakul, Masami Furuuchi, Surajit Tekasakul, Jiraporn Chomane, Yoshio Otani	265	Characteristics of PAHs in Particulates in the Atmospheric Environment of Hat Yai City, Thailand, and Relationship with Rubber-wood Burning in Rubber Sheet Production
Duoxing Yang, Zhongqiong Wang, Renjian Zhang	279	Estimating Air Quality Impacts of Elevated Point Source Emissions in Chongqing, China
K E Ganesh, T K Umesh, B Narasimhamurthy	295	Site Specific Aerosol Optical Thickness Characteristics over Mysore
Hsi-Hsien Yang, Ho-Wen Chen, Tze-Wen Chi, Pao-Yu Chuang	308	Analysis of Atmospheric Ozone Concentration Trends as Measured by Eighth Highest Values
W. C. Wang, K. S. Chen	319	Modeling and Analysis of Source Contribution of PM ₁₀ during Severe Pollution Events in Southern Taiwan
Ren-jian Zhang, Zhen-xing Shen, Han Zou, Wei Wang, Yuemei Han, Juan Zhou	339	Study of Elemental Mass Size Distributions of Aerosol in Lijiang, a Background Site in Southwest China
Surajit Tekasakul, Puninda Suwanwong, Yoshio Otani, Perapong Tekasakul	348	Pressure Drop Evolution of a Medium-Performance Fibrous Filter during Loading of Mist Aerosol Particles

Number 4

- | | | |
|---|-----|---|
| M. Alonso, F.J. Alguacil | 366 | Particle Size Distribution Modification During and After Electrical Charging: Comparison between a Corona Ionizer and a Radioactive Neutralizer |
| Chung-Kung Lee, Shu-Chen Lin | 381 | Chaos in Air Pollutant Concentration (APC) Time Series |
| Vladimír Ždímal, Marek Brabec, Zdeněk Wagner | 392 | Comparison of Two Approaches to Modeling Atmospheric Aerosol Particle Size Distributions |
| K. Park, Y. Heo, H. E. Putra | 411 | Ultrafine Metal Concentration in Atmospheric Aerosols in Urban Gwangju, Korea |
| P. Kothai, I.V. Saradhi, P. Prathibha, Philip K. Hopke, G.G. Pandit, V.D. Puranik | 423 | Source Apportionment of Coarse and Fine Particulate Matter at Navi Mumbai, India |
| S. K. Sahu, G. G. Pandit, V. D. Puranik | 437 | Dry Deposition of Polycyclic Aromatic Hydrocarbons Associated with Atmospheric Particulate Matters in an Urban Site, Mumbai, India |
| Chang-Mao Hung | 448 | Catalytic Decomposition of Ammonia over Bimetallic CuO/CeO ₂ Nanoparticle Catalyst |
| A. K. Srivastava, P. C. S. Devara, Y. Jaya Rao, Y. Bhavanikumar, D. N. Rao | 460 | Aerosol Optical Depth, Ozone and Water Vapor Measurements over Gadanki, A Tropical Station in Peninsular India |

AUTHOR INDEX

- Ada, Earl. 160
 Alguacil, F.J. 366
 Alonso, M. 366
 Ashter, Ali. 160

 Barry, Carol F. 160
 Barsha, Noor-A-Faiza. 78
 Bhavanikumar, Y. 460
 Blackburn, Matthew. 1
 Brabec, Marek. 392

 Chen, Da-Ren. 218
 Chen, Ho-Wen. 308
 Chen, K. S. 112
 Chen, K. S. 319
 Chen, S. J. 112
 Cheng, Wen-Hsi. 178
 Chi, Tze-Wen. 308
 Chomanee, Jiraporn. 265
 Choomseer, Piyapong. 28
 Chow, Judith C. 233
 Chuang, Pao-Yu. 308
 Chuaybamroong, Paradee. 28

 Devara, P. C. S. 460
 Dubey, Neha. 54

 Ellenbecker, Michael J. 160

 Farrah, Sam. 1
 Furuuchi, Masami. 265

 Ganesh, K E. 295
 Gu, Z.L. 65
 Gupta, Sandeep. 188

 Han, Yuemei. 339
 Heo, Y. 411
 Hopke, Philip K. 423
 Hou, X.P. 65
 Hung, Chang-Mao. 448

 Jain, V. K. 147
 Jain, V. K. 188

 Kothai, P. 423
 Kumar, Ujjwal. 147
 Kwok, Roger. 19

 Lai, C. H. 112
 Lai, Chin-Hsing. 233
 Lan, Mei-Fang. 1
 Lee, Chung-Kung. 381
 Lee, Jin-Hwa. 1
 Li, Jia. 78
 Lin, C. C. 112
 Lin, Ching-Ho. 233
 Lin, Shu-Chen. 381
 Lundgren, Dale. 1

 Mead, Joey L. 160
 Mei, Fan. 218
 Miguel, Antonio H. 19

 Narasimhamurthy, B. 295
 Ntziachristos, Leonidas. 37

 Otani, Yoshio. 265
 Otani, Yoshio. 348
 Pandit, G. G. 437

 Pandit, G.G. 423
 Park, K. 411
 Pervez, Shamsh. 54
 Prakash, Amit. 147
 Prathibha, P. 423
 Puranik, V. D. 437
 Puranik, V.D. 423
 Putra, H. E. 411

 Qiu, J. 65
 Quraishi, Tauseef. 130

 Rao, D. N. 460
 Rao, Y. Jaya. 460
 Ratnesar-Shumate, Shanna. 1

 Sahu, S. K. 437
 Samaras, Zissis. 37
 Saradhi, I.V. 423
 Saxena, Dinesh K. 78
 Saxena, Dinesh K. 94
 Schauer, James Jay. 130
 Shen, Zhen-xing. 339
 Singh, Shivom. 78
 Singh, Shivom. 94
 Sribenjalux, Pipat. 28
 Srivastava, A. K. 460
 Srivastava, Arun. 188
 Srivastava, Kajal. 78
 Srivastava, Kajal. 94
 Sturman, Andrew. 201
 Suwanwong, Punnida. 348

 Tekasakul, Perapong. 265
 Tekasakul, Perapong. 348

Tekasakul, Surajit. 265	Wanakule, Prinda. 1	Yang, Duoxing. 279
Tekasakul, Surajit. 348	Wander, Joe. 1	Yang, Hsi-Hsien. 308
Titov, Mikhail. 201	Wang, S. K. 112	
Tsai, J. H. 112	Wang, W. C. 112	Ždímal, Vladimír. 392
Tsai, Su-Jung (Candace). 160	Wang, W. C. 319	Zhang, Renjian. 279
Tsang, Hamilton. 19	Wang, Wei. 339	Zhang, Ren-jian. 339
	Wang, Zhongqiong. 279	Zhang, Yuanxun. 130
Umesh, T K. 295	Watson, John G. 233	Zhao, Y.Z. 65
	Wu, Chang-Yu. 1	Zhou, Juan. 339
Vouitsis, Elias. 37	Wu, Yee-Lin. 233	Zou, Han. 339
Wagner, Zdeněk. 392	Xu, Xiaohong. 78	