TOP25 articles within the journal:

Journal of Aerosol Science

1. Physical characterization of particulate emissions from diesel engines: a review
   Burtscher, H.

2. Engines and nanoparticles - a review
   Journal of Aerosol Science, Volume 29, Issue 5-6, 1 June 1998, Pages 575-588
   Kittelson, D.B.

3. Measurement of ultrafine aerosol size distributions by a combination of diffusion screen separators and condensation particle counters
   Journal of Aerosol Science, Volume 37, Issue 5, 1 May 2006, Pages 577-597
   Feldpausch, P.; Fiebig, M.; Fritzsche, L.; Petzold, A.

4. Photoluminescence of Eu^3^+:Y''2O''3 as an indication of crystal structure and particle size in nanoparticles synthesized by flame spray pyrolysis
   Dosev, D.; Guo, B.; Kennedy, I.M.

5. Quantitative laser-induced breakdown spectroscopy for aerosols via internal calibration: Application to the oxidative coating of aluminum nanoparticles
   Journal of Aerosol Science, Volume 37, Issue 6, 1 June 2006, Pages 677-695
   Mukherjee, D.; Rai, A.; Zachariah, M.R.

6. Performance evaluation of long differential mobility analyzer (LDMA) in measurements of nanoparticles
   Journal of Aerosol Science, Volume 37, Issue 5, 1 May 2006, Pages 598-615
   Song, D.K.; Moon Lee, H.; Chang, H.; Soo Kim, S.; Shimada, M.; Okuyama, K.

7. Synthesis of nanoparticles in the gas phase for electronic, optical and magnetic applications-a review
   Journal of Aerosol Science, Volume 29, Issue 5-6, 1 June 1998, Pages 511-535
   Kruis, F.E.; Fissan, H.; Peled, A.

8. Evaluation of methods for the determination of diesel-generated fine particulate matter: Physical characterization results
   Journal of Aerosol Science, Volume 37, Issue 1, 1 January 2006, Pages 63-
9. **Generation and investigation of airborne silver nanoparticles with specific size and morphology by homogeneous nucleation, coagulation and sintering**

*Journal of Aerosol Science, Volume 37, Issue 4, 1 April 2006, Pages 452-470*

Ku, B.K.; Maynard, A.D.

10. **Formation and growth rates of ultrafine atmospheric particles: a review of observations**

*Journal of Aerosol Science, Volume 35, Issue 2, 1 March 2004, Pages 143-176*


11. **Nanoparticle coagulation via a Navier-Stokes/nodal methodology: Evolution of the particle field**

*Journal of Aerosol Science, Volume 37, Issue 5, 1 May 2006, Pages 555-576*

Garrick, S.C.; Lehtinen, K.E.J.; Zachariah, M.R.

12. **Utilization of natural electrical charges on airborne microorganisms for their collection by electrostatic means**

*Journal of Aerosol Science, Volume 37, Issue 4, 1 April 2006, Pages 513-527*

Yao, M.; Mainelis, G.

13. **Performance of a compact air-to-liquid aerosol collector with high concentration rate**

*Journal of Aerosol Science, Volume 37, Issue 5, 1 May 2006, Pages 645-657*

Mainelis, G.; Masquelier, D.A.; Willeke, K.; Makarewicz, A.; Dzenitis, J.; Milanovich, F.P.

14. **Multiple electrosprays emitted from an array of holes**

*Journal of Aerosol Science, Volume 36, Issue 12, 1 December 2005, Pages 1387-1399*

Bocanegra, R.; Galan, D.; Marquez, M.; Loscertales, I.G.; Barrero, A.

15. **Increase of electrospray throughput using multiplexed microfabricated sources for the scalable generation of monodisperse droplets**

*Journal of Aerosol Science, Volume 37, Issue 6, 1 June 2006, Pages 696-714*

Deng, W.; Klemic, J.F.; Li, X.; Reed, M.A.; Gomez, A.

16. **Characterization of metal-bearing diesel nanoparticles using single-particle mass spectrometry**

*Journal of Aerosol Science, Volume 37, Issue 1, 1 January 2006, Pages 88-110*


17. **Comparison of three methods of fractal analysis applied to soot aggregates from wood combustion**

*Journal of Aerosol Science, Volume 37, Issue 7, 1 July 2006, Pages 820-
18. **Controlled synthesis of nanostructured particles by flame spray pyrolysis**  
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Gwaze, P.; Schmid, O.; Annegarn, H.J.; Andreae, M.O.; Huth, J.; Helas, G.

19. **Determining the infiltration of outdoor particles in the indoor environment using a dynamic model**  
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20. **Effect of wall surface materials on deposition of particles with the aid of negative air ions**  
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Wu, C.C.; Lee, G.W.M.; Cheng, P.; Yang, S.; Yu, K.P.

21. **Thermophoretic deposition of aerosol particles in laminar tube flow with mixed convection**  
*Journal of Aerosol Science, Volume 37, Issue 6, 1 June 2006, Pages 715-734*  
Walsh, J.K.; Weimer, A.W.; Hrenya, C.M.

22. **Comparison of micro- and nano-size particle depositions in a human upper airway model**  
*Journal of Aerosol Science, Volume 36, Issue 2, 1 February 2005, Pages 211-233*  
Zhang, Z.; Kleinstreuer, C.; Donohue, J.F.; Kim, C.S.

23. **Prediction of aerosol deposition in 90° bends using LES and an efficient Lagrangian tracking method**  
*Journal of Aerosol Science*  
Breuer, M.; Baytekin, H.T.; Matida, E.A.

24. **Computational fluid dynamics investigation of particle inhalability**  
*Journal of Aerosol Science, Volume 37, Issue 6, 1 June 2006, Pages 750-765*  
Anthony, T.R.; Flynn, M.R.

25. **On-line measurement of ultrafine aggregate surface area and volume distributions by electrical mobility analysis: II. Comparison of measurements and theory**  
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Lall, A.A.; Seipenbusch, M.; Rong, W.; Friedlander, S.K.