

Angela Violi's Conferences Previous to 2005

- 31.** A. Violi, G.A. Voth, A., A.F. Sarofim, "A time-scale problem for the formation of soot precursors in premixed flames" Preprints of Symposia - American Chemical Society, Division of Fuel Chemistry 48(2): 545-547 (2003).
- 30.** A. Violi, G.A. Voth, A.F. Sarofim, "A Molecular Dynamic Approach to Study Aromatic Growth Pathways" Proceedings of the third International Mediterranean Combustion Symposium June 8-13 2003 Marrakech, Morocco, p. 831-836.
- 29.** A. Violi, H. Xie, G.A. Voth, A.F. Sarofim, "KMC-MD Modeling of Soot Inception" Proceedings of the Third International Mediterranean Combustion Symposium June 8-13 2003 Marrakech, Morocco, p.887-896.
- 28.** J.A. Cooke, M.D. Smooke, M. Bellucci, A. Gomez, A. Violi, T. Faravelli, E. Ranzi, "Computational and Experimental Study of a JP-8 Counterflow Diffusion Flame" Proceedings of The Third Joint Meeting of the U.S. Sections of the Combustion Institute March 16-19 2003 Chicago, Illinois.
- 27.** A. Violi, M. Cuma, G.A. Voth, A.F. Sarofim, "Identification of Pathways for Polyaromatic Growth Using Molecular Dynamics" Third Joint Meeting of the U.S. Sections of the Combustion Institute March 16-19 2003 Chicago, Illinois.
- 26.** H.R. Zhang, A. Violi, A.F. Sarofim, and M. Frenklach, "A Simulation of Soot Formation Using Particle Dynamics with One Dimensional Nucleation Mode" Third Joint Meeting of the U.S. Sections of the Combustion Institute March 16-19 2003 Chicago, Illinois.
- 25.** A. Violi, A. Kubota, W.J. Pitz, C.K. Westbrook, A.F. Sarofim, "Fully-integrated Molecular Dynamics – Kinetic Monte Carlo code: a new tool for the study of soot precursor growth in combustion conditions" Preprints of Symposia – American Chemical Society, Division of Fuel Chemistry 47(2): 771-772 (2002).
- 24.** A. Violi, A. Kubota, W.J. Pitz, C.K. Westbrook, A.F. Sarofim, "Fully-integrated Molecular Dynamics – Kinetic Monte Carlo code: a new tool for the study of soot precursor growth in combustion conditions" Abstracts of Papers, 224th ACS National Meeting, Boston MA, August 18-22 (2002).
- 23.** A. Violi, S. Yan, E.G. Eddings, A.F. Sarofim, S. Granata, T. Faravelli, E. Ranzi "Experimental formulation and kinetic model for JP-8 surrogate mixtures", Proceeding of the 2nd Mediterranean Combustion Symposium, Sharm El-Sheikh, Egypt, January 6-11 2002, p.961-971.
- 22.** A. Violi, A.F. Sarofim, T.N. Truong " Mechanistic Pathways to Explain H/C ratio of soot precursors", Proceeding of the 2nd Mediterranean Combustion Symposium , Sharm El-Sheikh, Egypt, January 6-11 2002, p.1161-1169.
- 21.** A. Violi, A.F. Sarofim, A. D'Anna, A. D'Alessio "Aerosol Formation Mechanism and Empirical Analysis of its Optical Properties", Proceeding of the Western State Section of The Combustion Institute, 2001 Fall Meeting, University of Utah, Salt Lake City, UT, October 15-16, 2001.

20. A. Violi, A.F. Sarofim, A. D'Anna, A. D'Alessio " Modeling of Particulate Formation in Opposed Diffusion Flames", Proceeding of the 5th International Conference on Internal Combustion Engines (ICE 2001), Capri (NA) Italy, September 23-27 2001.

19. A. Violi, A. D'Anna, A. D'Alessio, A. F. Sarofim, "Aerosol Formation and Oxidation in Counter-flow Diffusion Flames", Proceeding of the 24th Event of the Italian Section of the Combustion Institute – Combustion and the Environment, Santa Margherita Ligure (GE), Italy, September 16-19 2001.

18. A. Violi, A. D'Anna, A. D'Alessio, A.F. Sarofim, "Quantum mechanic study of high molecular mass compounds in combustion conditions", 7th International Congress on Combustion By-products: Origins, Fate, and Health Effects, North Caroline, June 4-6, 2001.

17. A. Violi, T.N. Truong, A. D'Anna, A. D'Alessio, A.F. Sarofim, "Quantum mechanic study of high molecular mass compounds in combustion conditions", Proceeding of the 2nd Joint Meeting of the US Sections of the Combustion Institute, Oakland, California, March 25-28, 2001, paper # 104.

16. A. Violi, A. D'Anna, T.N. Truong, A. D'Alessio, A.F. Sarofim, "The formation of particulate matter in combustion conditions: a molecular approach", Proceeding of the AIChE 2000 Annual Meeting, Los Angeles, California, November 12-17, 2000.

15. A. Violi, T.N. Truong, A.F. Sarofim, "Density functional study of aromatic radical reactions in combustion systems", Proceeding of the West Coast Theoretical Chemistry Conference, Salt Lake City, Utah, June 26-28, 2000.

14. Corcione F.E., D'Alessio A., D'Anna A., Merola S.S., Vaglieco B.M., Violi, A., "Ultrafine Particle Formation in Diesel-like conditions", Proceeding of the Combustion Meeting Italian Section, Ischia, Italy, May 22-25, 2000.

13. A. Violi, A. D'Anna, A. D'Alessio, "Kinetic modeling of polycyclic aromatic hydrocarbons in laminar premixed ethylene flames", Proceeding of the Combustion Meeting Italian Section, Ischia, Italy, May 22-25, 2000.

12. A. Violi, A. D'Anna, A. D'Alessio, "A kinetic model of particulate carbon formation in rich premixed flames of ethylene and benzene", Proceeding of The Fifth International Conference on Technologies and Combustion for a Clean environment, Lisbon (Portugal), July 12-15, 1999.

11. A. Violi, A. Anna, A. D'Alessio, M. Astarita, B.M. Vaglieco, "Detailed kinetic modeling of particulate formation in high pressure conditions", Proceeding of the 4th International Conference on Internal Combustion Engines: Experiments and Modeling, Capri (Italy), September 12-16, 1999.

10. A. Violi, A. D'Anna, A. D'Alessio, "Chemical kinetic modeling of opposed flow diffusion flames", Proceeding of the Combustion Meeting Italian Section, paper V.8, Firenze (Italy), May 2-5, 1999.

9. A. Violi, A. D'Anna, A. D'Alessio, "Modeling of rich combustion of hydrocarbons", Mediterranean Combustion Symposium, Antalya (Turkey), June 20-25, 1999.
8. A. Violi, A. D'Anna, A. D'Alessio, "Aspetti modellistici della formazione di composti aromatici nella combustione ricca di idrocarburi", GRICU 1998, AIDIC Associazione Italiana di Ingegneria Chimica, Ferrara (Italy), September 23-25, 1998.
7. A. D'Alessio, A. D'Anna, G. Gambi, P. Minutolo, A. Violi, "Formation of aromatic structures in rich non-sooting premixed flames: experimental investigation and modeling", 21st Event of the Italian Section of the Combustion Institute, Ravello, Italy, May 26-29 1998, Combustion Meeting '98.
6. A. Violi, A. D'Anna, "Modeling of aromatics formation in rich premixed ethylene flames", 21st Event of the Italian Section of the Combustion Institute, Ravello, Italy, May 26-29 1998, Combustion Meeting '98, p.249.
5. A. D'Anna, A. Violi, "Kinetic evaluation of high molecular weight aromatic formation in rich premixed ethylene flames", Fourth International Conference on Chemical Kinetics, Gaithersburg, Maryland USA, July 14-18, 1997.
4. A. D'Anna, A. Violi, A. D'Alessio, "Formation of high molecular mass structures in premixed laminar flames", 3rd International Conference on Internal Combustion Engines: Experiments and Modeling, Capri, Italy September 17-19 1997.
3. A. D'Anna, A. Violi, "Modeling of high molecular mass hydrocarbon formation in rich premixed flames", FRANTIC 97, Cagliari, Italy July 2-5 1997.
2. A. D'Anna, A. Violi, A. D'Alessio, "Kinetic evaluations of aromatic-ring formation in rich premixed ethylene flames", 3° Convegno Nazionale di Informatica Chimica, Napoli, Italy, February 27th – March 1st 1997.
1. A. Tregrossi, A. Violi, A. Ciajolo, A. D'Anna, "Oxidative and pyrolytic regimes in rich premixed ethylene combustion", Combustion Meeting '95 Italian Section, paper # 5.14, Napoli, Italy – July 25-28 1995.