# J Ray Wells

List of Publications by Year
in descending order



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|---|---|---|---|
| 54 papers | 1,653 citations | 257101 24 h-index | 301761 39 g-index |
| 59 all docs | 59 docs citations | 59 times ranked | 1548 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Feasibility of a Selective Epoxidation Technique for Use in Quantification of Peracetic Acid in Air Samples Collected on Sorbent Tubes. Journal of Chemical Health and Safety, 2022, 29, 378-386. | 1.1 | 0 |
| 2 | Large-Format Additive Manufacturing and Machining Using High-Melt-Temperature Polymers. Part II: Characterization of Particles and Gases. Journal of Chemical Health and Safety, 2021, 28, 268-278. | 1.1 | 8 |
| 3 | Large-Format Additive Manufacturing and Machining Using High-Melt-Temperature Polymers. Part I: Real-Time Particulate and Gas-Phase Emissions. Journal of Chemical Health and Safety, 2021, 28, 190-200. | 1.1 | 8 |
| 4 | Indoor secondary organic aerosols: Towards an improved representation of their formation and composition in models. Atmospheric Environment, 2020, 240, 117784. | 1.9 | 16 |
| 5 | Indoor Surface Chemistry: Developing a Molecular Picture of Reactions on Indoor Interfaces. CheM, 2020, 6, 3203-3218. | 5.8 | 70 |
| 6 | Particle and vapor emissions from vat polymerization desktop-scale 3-dimensional printers. Journal of Occupational and Environmental Hygiene, 2019, 16, 519-531. | 0.4 | 32 |
| 7 | Insights Into Emissions and Exposures From Use of Industrial-Scale Additive Manufacturing Machines. Safety and Health at Work, 2019, 10, 229-236. | 0.3 | 37 |
| 8 | Evaluation of emissions and exposures at workplaces using desktop 3-dimensional printers. Journal of Chemical Health and Safety, 2019, 26, 19-30. | 1.1 | 45 |
| 9 | Three-dimensional printing with nano-enabled filaments releases polymer particles containing carbon nanotubes into air. Indoor Air, 2018, 28, 840-851. | 2.0 | 40 |
| 10 | Reactive indoor air chemistry and healthâ€"A workshop summary. International Journal of Hygiene and Environmental Health, 2017, 220, 1222-1229. | 2.1 | 28 |
| 11 | A chamber study of alkyl nitrate production formed by terpene ozonolysis in the presence of NO and alkanes. Atmospheric Environment, 2017, 171, 143-148. | 1.9 | 5 |
| 12 | Identification and quantification of carbonyl-containing Î±-pinene ozonolysis products using O-tert-butylhydroxylamine hydrochloride. Journal of Atmospheric Chemistry, 2017, 74, 325-338. | 1.4 | 10 |
| 13 | Limonene ozonolysis in the presence of nitric oxide: Gas-phase reaction products and yields. Atmospheric Environment, 2016, 132, 300-308. | 1.9 | 10 |
| 14 | Gas-phase reaction products and yields of terpinolene with ozone and nitric oxide using a new derivatization agent. Atmospheric Environment, 2015, 122, 513-520. | 1.9 | 9 |
| 15 | Diacetyl and 2,3-pentanedione exposure of human cultured airway epithelial cells: Ion transport effects and metabolism of butter flavoring agents. Toxicology and Applied Pharmacology, 2015, 289, 542-549. | 1.3 | 39 |
| 16 | A new agent for derivatizing carbonyl species used to investigate limonene ozonolysis. Atmospheric Environment, 2014, 99, 519-526. | 1.9 | 16 |
| 17 | Response to letter to the editor. Food and Chemical Toxicology, 2014, 70, 262-263. | 1.8 | 0 |
| 18 | Investigation of terpinoleneÂ+Âozone or terpinoleneÂ+Ânitrate radical reaction products using denuder/filter apparatus. Atmospheric Environment, 2013, 80, 524-532. | 1.9 | 6 |

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|---|---|---|---|
| 19 | Evaluation of the hypersensitivity potential of alternative butter flavorings. Food and Chemical Toxicology, 2013, 62, 373-381. | 1.8 | 23 |
| 20 | Toxicological analysis of limonene reaction products using an in vitro exposure system. Toxicology in Vitro, 2013, 27, 721-730. | 1.1 | 33 |
| 21 | Irritancy and Allergic Responses Induced by Exposure to the Indoor Air Chemical 4-Oxopentanal. Toxicological Sciences, 2012, 127, 371-381. | 1.4 | 63 |
| 22 | Use of denuder/filter apparatus to investigate terpene ozonolysis. Journal of Environmental Monitoring, 2012, 14, 1044. | 2.1 | 7 |
| 23 | 2â€“Butoxyethanol and benzyl alcohol reactions with the nitrate radical: Rate coefficients and gasâ€phase products. International Journal of Chemical Kinetics, 2012, 44, 778-788. | 1.0 | 15 |
| 24 | Reaction rates of ozone and terpenes adsorbed to model indoor surfaces. Indoor Air, 2011, 21, 319-327. | 2.0 | 36 |
| 25 | Hydroxyl radical yields from reactions of terpene mixtures with ozone. Indoor Air, 2011, 21, 400-409. | 2.0 | 36 |
| 26 | Investigating ozone-induced decomposition of surface-bound permethrin for conditions in aircraft cabins. Indoor Air, 2010, 20, 61-71. | 2.0 | 5 |
| 27 | Evaluation of Dicarbonyls Generated in a Simulated Indoor Air Environment Using an In Vitro Exposure System. Toxicological Sciences, 2010, 115, 453-461. | 1.4 | 55 |
| 28 | Surface chemistry reactions of Î±-terpineol [(R)-2-(4-methyl-3-cyclohexenyl)isopropanol] with ozone and air on a glass and a vinyl tile. Indoor Air, 2008, 18, 394-407. | 2.0 | 23 |
| 29 | Feasibility of detection and quantification of gas-phase carbonyls in indoor environments using PFBHA derivatization and solid-phase microextraction (SPME). Journal of Environmental Monitoring, 2008, 10, 853. | 2.1 | 14 |
| 30 | Kinetics and Reaction Products of Ozone and Surface-Bound Squalene. Journal of ASTM International, 2008, 5, 1-12. | 0.2 | 47 |
| 31 | Evaluation of the Contact and Respiratory Sensitization Potential of Volatile Organic Compounds Generated by Simulated Indoor Air Chemistry. Toxicological Sciences, 2007, 97, 355-363. | 1.4 | 106 |
| 32 | Field and laboratory emission cell automation and control system for investigating surface chemistry reactions. Review of Scientific Instruments, 2007, 78, 014101. | 0.6 | 9 |
| 33 | Use of solid-phase microextraction to detect and quantify gas-phase dicarbonyls in indoor environments. Journal of Chromatography A, 2006, 1131, 275-280. | 1.8 | 21 |
| 34 | Gas-phase chemistry of dihydromyrcenol with ozone and OH radical: Rate constants and products. International Journal of Chemical Kinetics, 2006, 38, 451-463. | 1.0 | 18 |
| 35 | Gas-Phase Chemistry of Î±-Terpineol with Ozone and OH Radical:Â Rate Constants and Products. Environmental Science & Technology, 2005, 39, 6937-6943. | 4.6 | 69 |
| 36 | The hydroxyl radical reaction rate constant and products of 3,5-dimethyl-1-hexyn-3-ol. International Journal of Chemical Kinetics, 2004, 36, 534-544. | 1.0 | 13 |

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|---|---|---|---|
| 37 | The hydroxyl radical reaction rate constant and products of cyclohexanol. International Journal of Chemical Kinetics, 2001, 33, 108-117. | 1.0 | 15 |
| 38 | Atmospheric transformation of volatile organic compounds. , 2000, 4036, 24. | | 1 |
| 39 | The hydroxyl radical reaction rate constant and atmospheric transformation products of 2-propoxyethanol. International Journal of Chemical Kinetics, 1999, 31, 315-322. | 1.0 | 8 |
| 40 | The hydroxyl radical reaction rate constant and products of methyl isobutyrate. International Journal of Chemical Kinetics, 1999, 31, 551-557. | 1.0 | 12 |
| 41 | The hydroxyl radical reaction rate constant and atmospheric transformation products of 2-butanol and 2-pentanol. International Journal of Chemical Kinetics, 1998, 30, 745-752. | 1.0 | 38 |
| 42 | The hydroxyl radical reaction rate constants and atmospheric reaction products of three siloxanes. International Journal of Chemical Kinetics, 1997, 29, 445-451. | 1.0 | 31 |
| 43 | The hydroxyl radical reaction rate constant and products of ethyl 3-ethoxypropionate. International Journal of Chemical Kinetics, 1997, 29, 637-644. | 1.0 | 9 |
| 44 | The products of the reaction of the hydroxyl radical with 2-ethoxyethyl acetate. International Journal of Chemical Kinetics, 1996, 28, 475-480. | 1.0 | 16 |
| 45 | Interaction of H2 and Prototypical Solvent Molecules with Cr(CO)5 in the Gas Phase. The Journal of Physical Chemistry, 1994, 98, 8343-8351. | 2.9 | 54 |
| 46 | A time-resolved Fourier transform infrared study of the catalytic hydrogenation of ethene following UV photolysis of mixtures of iron pentacarbonyl C2H4, and hydrogen. The Journal of Physical Chemistry, 1993, 97, 3084-3087. | 2.9 | 5 |
| 47 | Rare gas-metal carbonyl complexes: bonding of rare gas atoms to the Group VIB pentacarbonyls. Journal of the American Chemical Society, 1992, 114, 2783-2787. | 6.6 | 91 |
| 48 | Bond dissociation energies and kinetics for the reaction of tungsten pentacarbonyl with the unlikely ligands nitrous oxide and dichlorodifluoromethane. Journal of the American Chemical Society, 1991, 113, 1294-1299. | 6.6 | 24 |
| 49 | Kinetics of aqueous phase reactions of the SO<sub>4</sub><sup>â^'</sup> radical with potential importance in cloud chemistry. Journal of Geophysical Research, 1989, 94, 1085-1094. | 3.3 | 118 |
| 50 | Kinetics of the reactions of atomic fluorine(2P) and atomic chlorine(2P) with nitric acid. The Journal of Physical Chemistry, 1988, 92, 2223-2228. | 2.9 | 20 |
| 51 | Methanethiol photolysis at 248 nm. Hydrogen atom yield and rate constant for the H + CH3SH reaction. The Journal of Physical Chemistry, 1986, 90, 4033-4037. | 2.9 | 18 |
| 52 | Channel specific rate constants for reactions of O(1D) with HCl and HBr. Journal of Chemical Physics, 1986, 84, 1349-1354. | 1.2 | 58 |
| 53 | Kinetic study of the reaction of OH with HCl from 240-1055 K. International Journal of Chemical Kinetics, 1985, 17, 1281-1297. | 1.0 | 42 |
| 54 | The OH+HBr reaction revisited. Journal of Chemical Physics, 1985, 83, 447-448. | 1.2 | 28 |