

**A
Bibliography
of the
ASTM Committee G4
Oxygen Safety
Collegium**

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Circa 2026

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Genesis

In 1995, this worker proposed ASTM Committee G4 distribute a bibliography he had compiled as one of a series of PC utilities, that included computational algorithms, model worksheets, and a newsletter. All were adopted and launched.

That bibliography started with a compilation of several hundred publications assembled from a Corporate library and was grown by adding some references cited in some of those resources. To this was added every paper presented in the G4 forum along with all resources cited in each of them. It was formatted as required for cited references in G4's form so that future citations can be searched, copied and pasted into new papers.

From 1995 until about 2005, the bibliography was revised in five versions ultimately listing 2335 references. At that time G4 entered a period of retrenchment and necessary support for the bibliography was lost. It has not been updated since then. It is not posted on the G4 Website and does not appear to be available.

In preparing the support materials for the doofof.com website, the bibliography was severely missed, especially in tracking down and citing papers from the G4 collegium. Although a full update of the bibliography is still not possible, this abbreviated bibliography has been prepared for whatever use can be made of it. This comes about after spending much time on the ASTM WebSite which offers all fifteen special technical publications for sale but for which this worker found less than optimum for tracking and citing papers therein, lacking a full collection of these rather pricey publications.

This is broken into two sections: (1) a pre-page list of the special technical publications each coordinated with G4's symposia along with dates, location of associated symposium, and list of editors, and current (2026 price) and (2) the table of contents for each paper in the fifteen symposia to date in the same format used to cite references in the papers themselves.

The first fifteen STPs were published between 1983 and 2021 and contained 374 papers including keynote addresses when present but not including overviews by the editors. One would hope that Committee G4 would again recognize the value of this file and would support it as a resource or even just marketing tool.

Abstracts from the papers could be included and would increase the usefulness substantially especially for searching topics but were not included due to potential copyright issues and this worker was not motivated to write his own abstracts. However, selective annotations and comments may be introduced at some point, since current pdf readers and MSWord allow basic searching for specific text.

Apologies for errors—entries are not vetted, at least some typos are likely.

List of STPs

Comma-Separated Format:

Symposium No., *STP No.*, Editor(s), Year of Publication, No. of Papers, Price (2026 USD)

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1, *STP 812*, B. L. Werley, 1983, 11, \$70

- 1, *STP 812*, B. L. Werley, 1983, 11, \$70**
- 2, *STP 910*, M. A. Benning, 1986, 15, \$68**
- 3, *STP 986*, D. W. Schroll, 1988, 29, \$84**
- 4, *STP 1040*, J. M. Stoltzfus, F. J. Benz, J. S. Stradling, 1989, 24, \$65**
- 5, *STP 1111*, J. M. Stoltzfus, K. McIlroy, 1991, 34, \$76**
- 6, *STP 1197*, D. D. Janoff and J. M. Stoltzfus, 1993, 27, \$94**
- 7, *STP 1267*, D. D. Janoff, W. T. Royals, M. V. Gunaji, 1996, 19, \$72**
- 8, *STP 1319*, W. T. Royals, T. C. Chou, T. A. Steinberg, 1997, 35, \$108**
- 9, *STP 1395*, T. A. Steinberg, B. E. Newton, H. D. Beeson, 2000, 31, \$194**
- 10, *STP 1454*, T. A. Steinberg, B. E. Newton, H. D. Beeson, 2003, 28, \$96**
- 11, *STP 1479*, D. B. Hirsch, R. Zawierucha, T. A. Steinberg, H. Barthélemy, 2006, 32, \$95**
- 12, *STP 1522*, H. Barthelelmy, T. Steinberg, C. Binder, S. Smith, 2009, 28, \$140**
- 13, *STP 1561*, S. E. Davis, T. A. Steinberg, 2012, 17, \$105**
- 14, *STP 1596*, S. E. Davis, T. A. Steinberg, 2016, 24, \$144**
- 15, *STP 1626*, T. A. Steinberg, G. J. Chiffoleau, 2021, 20, \$151**
- 16. *STP 1563*, T. A. Steinberg, G. J. Chiffoleau, 2026, 21, \$192**

Special Technical Publication 812

Flammability and Sensitivity of Materials in Oxygen-Enriched Atmospheres, ASTM STP 812, B. L. Werley, Ed., American Society for Testing and Materials, Philadelphia, 1983, pp.

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- [2] Bryan, C. J., "**NASA Mechanical Impact Testing in High-Pressure Oxygen**", *Flammability and Sensitivity of Materials in Oxygen-Enriched Atmospheres*, ASTM STP 812, B. L. Werley, Ed., American Society for Testing and Materials, Philadelphia, 1983, pp. 9-42.
- [3] McQuaid, R. W., Sheets, D. G., and Bieberich, M. J., "**Determination of Autogenous Ignition Temperatures of a Steam Turbine Lubricating Oil in Nitrogen and Oxygen Mixtures**", *Flammability and Sensitivity of Materials in Oxygen-Enriched Atmospheres*, ASTM STP 812, B. L. Werley, Ed., American Society for Testing and Materials, Philadelphia, 1983, pp. 43-55.
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Special Technical Publication 910

Flammability and Sensitivity of Materials in Oxygen-Enriched Atmospheres: Second Volume, ASTM STP 910, M. A. Benning, Ed., American Society for Testing and Materials, Philadelphia, 1986, pp.

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Special Technical Publication 986

Flammability and Sensitivity of Materials in Oxygen-Enriched Atmospheres: Third Volume, ASTM STP 986, D. W. Schroll, Ed., American Society for Testing and Materials, Philadelphia, 1988, pp.

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Special Technical Publication 1040

Flammability and Sensitivity of Materials in Oxygen-Enriched Atmospheres: Fourth Volume, ASTM STP 1040, Joel M. Stoltzfus, Frank J. Benz, and Jack S. Stradling, Editors., American Society for Testing and Materials, Philadelphia, 1989, pp.

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