

The 3D radar chart displays the performance of five optimization methods (A, B, C, D, E) across five criteria. The criteria are Temperature [C], Yield, Catalyst [hazardousness], Solvent [hazardousness], and  $[\eta]$ . The radial scale ranges from 0.00 to 1.00, with intermediate markers at 0.33 and 0.66. Method A (red solid line) shows high values in Temperature and Yield. Method E (cyan dashed line) shows high values in Catalyst and Solvent hazard. Method C (green dashed line) shows high values in Yield and Solvent hazard. Method D (blue dashed line) shows high values in Catalyst and Solvent hazard. Method B (orange solid line) shows high values in Temperature and Yield. The chart uses different colors and line styles (solid vs. dashed) to distinguish between the methods.

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