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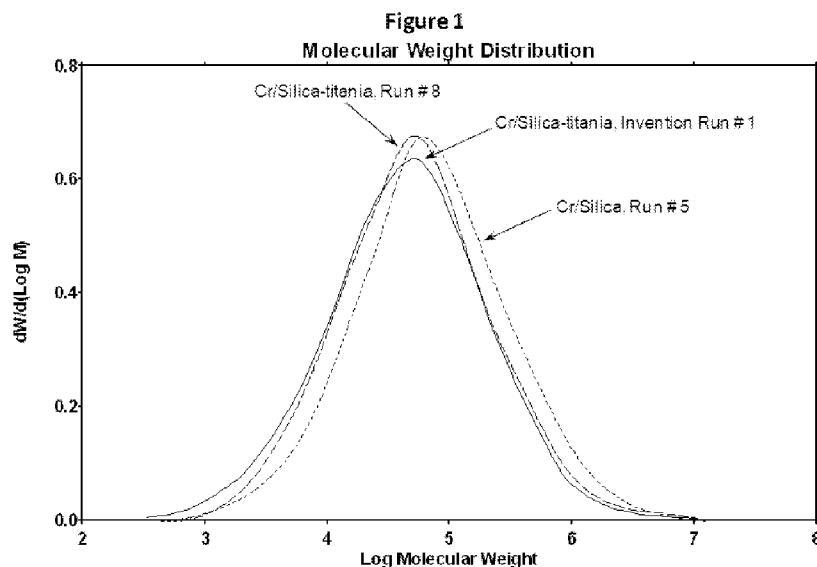
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(54) Title: METHODS OF PREPARING A CATALYST



(57) Abstract: A method of preparing a catalyst comprising contacting an acidic colloidal silica suspension with a titanium-containing compound to form a mixture, adjusting the pH of mixture to about neutral to form a catalyst support, and contacting the catalyst support with chromium-containing compound to form a chromium-supported catalyst. A catalyst support prepared by contacting a colloidal silica suspension and a titanium-containing compound under acidic conditions to form a mixture, and contacting the mixture with a basic material in an amount sufficient to increase the pH of the mixture to about 7.