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Ping Liu*, Y.Y.Tseng Functional Analysis Research Center, and School of Mathematical Science, Harbin Normal University, Harbin, Heilongjia 150025, Peoples Rep of China, and **Junping Shi** and **Yuwen Wang**. *Abstract analytical bifurcation theory and its applications*.

We review several old and new abstract bifurcation theorems, based on implicit function theorem. Some examples are shown to demonstrate the applications of these results. (Received September 16, 2011)