

Genesis and dynamics of complex networks



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- Topological properties and growth mechanisms of weighted, dynamic, and multiplex networks
- Scientific and artistic collaborations
 - Effects of inter-disciplinarity and genre-spanning collaborations
 - Open versus closed structures on scientific and artistic success
- Rich-club structures in weighted complex networks
- Scaling phenomena and long-memory processes in online communication
- Effects of homophily and cognitive similarity on the structure and dynamics of social interaction