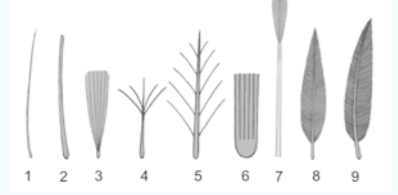
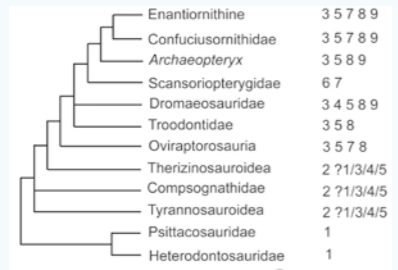
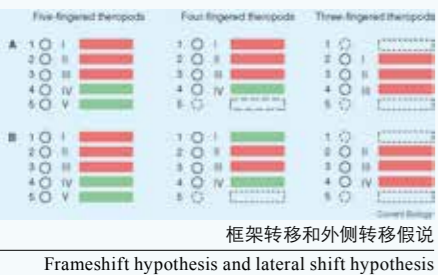
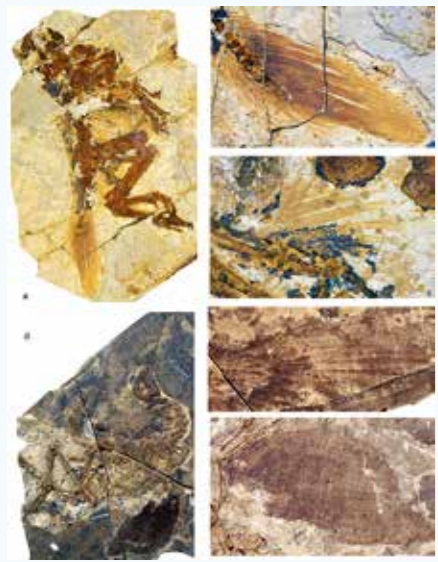


Xu Xing, Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences

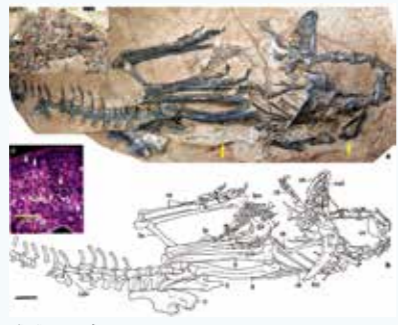
Dr. Xu Xing has conducted fieldwork in northern China and many other areas, and his efforts have led to the discovery of numerous Mesozoic terrestrial vertebrate fossils and the collection of a large amount of geological data. His research has greatly enriched our knowledge of Jurassic and Cretaceous terrestrial ecosystems. He has made significant contributions to research on key issues surrounding dinosaur evolution and bird origins, including the “temporal paradox” problem, questions of homology across the transition to birds, and the pattern of evolution of major avian characteristics including flight and feathers. He has published over 120 articles in SCI journals, including 35 in Nature and Science. His work has been featured repeatedly in annual lists of noteworthy research achievements: twice in ‘top ten news on Chinese basic science research’, three times in ‘top ten news on advancement of Chinese science and technology’, three times in ‘top 100 science news’ by Discover, and once in ‘top ten scientific discoveries’ by Time. Important results of his research have also been mentioned multiple times in textbooks and other books published in western countries.



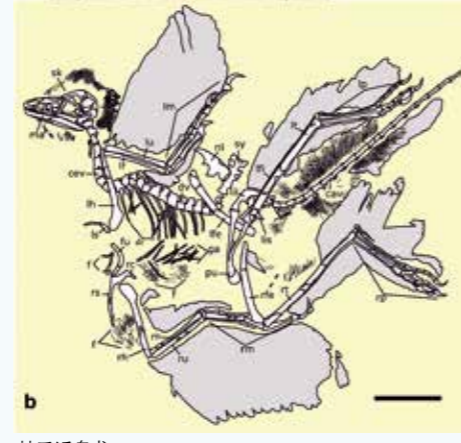
主要早期羽毛形态的演化序列  
Evolutionary sequence of the major early feather morphotypes



两件近似鸟龙标本显示羽毛在发育过程中的变化  
Two specimens of *Similicaudipteryx* showing the ontogenetic changes of the flight feathers



难逃泥潭龙  
*Limosaurus inextricabilis*



赫氏近鸟龙  
*Anchiornis huxleyi*



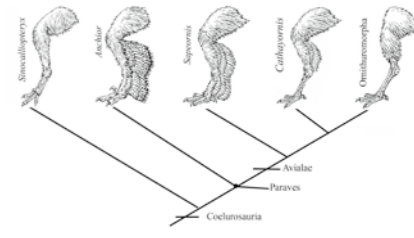
徐星在观察恐龙化石  
Dr. Xing Xu observes a dinosaur fossil.

徐星

中国科学院古脊椎动物与古人类研究所

主要科技贡献：

徐星同志在中国北方和其他地区开展的野外考察采集到大量中生代陆相脊椎动物化石标本和地质数据，相关工作极大丰富了我们对于侏罗纪和白垩纪陆相生态系统的认识。在恐龙演化和鸟类起源研究方向，做出了一系列具有世界影响的成果，推动了包括“时间悖论”和“同源矛盾”等重要问题的解决，恢复包括飞行和羽毛在内的鸟类主要特征的演化模式。在SCI刊物上发表文章120余篇，其中35篇在英国《自然》和美国《科学》上。研究成果两次入选“中国基础科学研究十大新闻”，三次入选“中国十大科技进展新闻”，三次入选美国《发现》杂志“年度百项科学新闻”，一次入选美国《时代》杂志“世界十大科技发现”，以及多次入选欧美国家生物学教材等出版物。



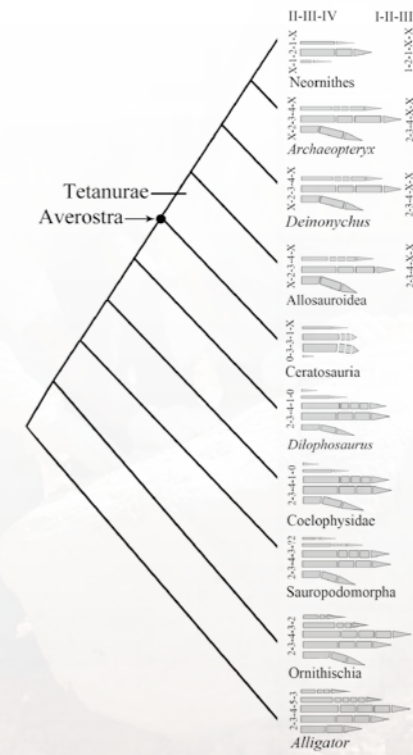
虚骨龙类腿羽演化  
Evolution of leg feathers in coelurosaurian dinosaurs



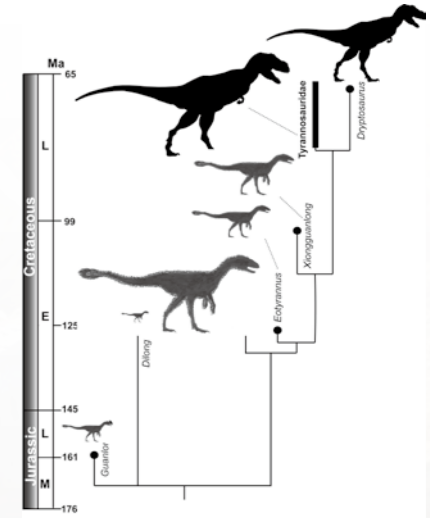
2005年准噶尔盆地野外考察部分队员合影  
Group picture of some of the team members from the Zhungar Basin expedition in 2005



2011年在新疆五彩湾化石点采集恐龙化石  
Collecting dinosaur fossils at the Wucuiwan Locality, Xinjiang in 2011



兽脚类恐龙手指演化  
Manual digital evolution in theropod dinosaurs



暴龙体型大小和皮肤系统的演化  
Evolution of body size and integument in tyrannosaurid dinosaurs