

科研骨干

▶ 院士专家

▶ 百人计划

▶ 研究员

▶ 副研究员

▶ 特聘研究员

研究员

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简 历:

付碧宏, 男, 1966年8月出生于四川, 理学博士, 研究员, 博士生导师。 目前担任国际期刊 “Remote Sensing of Environment”、“International Journal of Remote Sensing”、“Journal of Geophysical Research” 等的评审人, 国家863项目资源与环境技术领域项目评估专家。2005年作为海外引进优秀人才回国工作。2011年作为客座编辑在Journal of Asian Earth Sciences 出版 “The 2008 Wenchuan Earthquake and Active Tectonics of Asia” 专辑。在 “Science”、“Remote Sensing of Environment”、“Geology”、“Geomorphology”、“Tectonophysics”、“Terra Nova”、“International Journal of remote Sensing” 等国际期刊发表论文20多篇, 论文被国际SCI期刊引用400多次。

学历:

1984年-1988年, 兰州大学, 地质系, 理学学士学位;
1988年-1991年, 中国科学院兰州地质研究所, 遥感构造地质学, 理学硕士学位;
2000年-2003年, 日本静冈大学, 理工学研究科, 理学博士学位。

科研工作经历:

1991年-1999年, 中国科学院兰州地质研究所, 助理研究员、副研究员;
2003年-2005年, 日本产业技术综合研究所日本地质调查所, JSPS特别研究员;
2005年-2012年 中国科学院地质与地球物理研究所, 研究员;
2012年-至今 中国科学院地质对地观测与数字地球科学中心, 研究员

研究生培养:

已经培养博士研究生3人, 硕士研究生3人, 目前在读博士和硕士研究生5人

研究方向:

1. 新生代构造与地貌演化: 印度—亚洲板块碰撞相关的新生代构造变形与构造地貌演化;
2. 环境与灾害遥感: 青藏高原隆升相关的新生代环境演化及地震地质灾害的遥感分析研究;
3. 资源遥感: 新构造变形与油气藏保存条件研究, 烃类流体的地表蚀变信息提取与识别

专家类别:

研究员

职 务:

喀什分中心常务副主任

社会任职:

承担科研项目情况:

- 1、云南龙陵—瑞丽断裂1:5万活动构造填图, 中国地震活动断层探测—南北地震带南段项目, 2011—2013;
- 2、ASTER卫星遥感数据的在中国西部的地学应用研究, 国际合作项目, 中方项目负责人, 2005-2012;

获奖及荣誉:

2008年中国科学院科技抗震救灾先进个人

代表论著:

代表性论文:

发表的主要国际论文

1. Shi P.L., Fu B.H., Ninomiya Y., Sun J.M., Li Y., 2012. Multispectral remote sensing mapping for hydrocarbon seepage-induced lithologic anomalies in the Kuqa foreland basin, south Tian Shan. *Journal of Asian Earth Sciences*, 46: 70-77
2. Fu B.H., Walker R., and Sandiford M. 2011. The 2008 Wenchuan earthquake and active tectonics of Asia. *Journal of Asian Earth Sciences*, 40: 797-804.
3. Fu B.H., Shi P.L., Guo H.D., Okuyama S., Ninomiya, Y., and Wright, Y. 2011. Surface deformation related to the 2008 Wenchuan earthquake, and mountain building of the Longmen Shan, eastern Tibetan Plateau. *Journal of Asian Earth Sciences*, 40: 805-824.
4. Fu B.H., Ninomiya Y. and Guo J.M. 2010. Slip partitioning in the northeast Pamir – Tian Shan convergence zone. *Tectonophysics*, 483 (3-4): 344 – 364.
5. Sun J.M., Li Y., Zhang Z.Q., Fu B.H., 2009. Magnetostratigraphic data on Neogene growth folding in the foreland basin of the southern Tianshan Mountains. *Geology*, 37 (11): 1051-1054.
6. Dong Y.F., Fu B.H., Ninomiya Y., 2009. Geomorphological changes associated with underground coal mining in the Fushun area, northeast China revealed by multitemporal satellite remote sensing data. *International Journal of Remote Sensing*, 30 (18): 4767-4784 2.
7. Fu B.H., Lei X.L., Hessami K., Ninomiya Y., Azuma, T., Kondo H., 2007. A new fault rupture scenario for the 2003 MW 6.6 Bam earthquake, SE Iran: insights from the high-resolution QuickBird imagery and field observations. *Journal of Geodynamics*, 44:160-172.
8. Fu B.H., Zheng, G.D., Ninomiya Y., Wang C.Y., Sun G.Q, 2007. Mapping hydrocarbon-induced mineralogical alterations in the northern Tian Shan using ASTER multispectral data. *Terra Nova*, 19: 225-231.
9. Fu B.H., Awata Y., 2007. Displacement and timing of left-lateral faulting in the Kunlun fault zone, northern Tibet inferred from geologic and geomorphic features. *Journal of Asian Earth Sciences*, 29: 253-265.
10. Ninomiya Y., Fu B.H., Cudahy T.J., 2005. Detecting lithology with Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) multispectral thermal infrared "radiance-at-sensor" data". *Remote Sensing of Environment* 101 (4): 567-567
11. Fu B.H., Yasuo Awata, Jianguo Du, Yoshiki Ninomiya, Wengui He. 2005. Complex geometry and segmentation of the surface rupture associated with the 14 November 2001 giant Kunlun earthquake, northern Tibet, China. *Tectonophysics*, 407: 43-63.
12. Fu B.H., Yasuo Awata, Jianguo Du, Wengui He. 2005. Late Quaternary systematic stream offsets caused by repeated large seismic events along the Kunlun fault, northern Tibet. *Geomorphology*, 71: 278-292.
13. Fu B.H., Yoshiki Ninomiya, Xinglin Lei, Shinji Toda, Yasuo Awata, 2004. Mapping the active strike-slip fault triggered the 2003 Mw 6.6 Bam, Iran, earthquake with ASTER 3D images. *Remote Sensing of Environment*, 92: 153-157
14. Guodong Zheng, Fu B.H., Yi Duan, Qi Wang, M. Matso, B. Takano. 2004. Iron speciation related to color of Jurassic sedimentary rocks in Turpan Basin, northwest China. *Journal of Radioanalytical and Nuclear Chemistry*, 261:421-427.
15. Fu B.H., Aiming Lin, Ken-ichi Kano, Tadashi Maruyama, Jianming Guo, 2004. Application of stereoscopic satellite images for studying Quaternary tectonics in arid regions. *International Journal of Remote Sensing*, 25:537-547.
16. Aiming Lin, Jianming Guo, and Bihong Fu, 2004. Co-seismic mole track structures produced by the 2001 Ms 8.1 Central Kunlun earthquake, China. *Journal of Structural Geology*, 26:1511-1519.
17. Toshiaki Masuda, Nozomi Kimura, Bihong Fu and Xiangdong Li, 2004. Validity of the microboudin method for palaeo-stress analysis: application to extraordinarily long sodic amphibole grains in a metachert from Aksu, China. *Journal of Structural Geology*, 26: 203-206
18. Aiming Lin, Masayuki Kikuchi, and Bihong Fu, 2003. Rupture segmentation and process of the 2001 Mw 7.8 Central Kunlun, China, earthquake. *Bulletin of the Seismological Society of America*, 93: 2477-2492.
19. Fu B.H., Aiming Lin, Ken-ichi Kano, Tadashi Maruyama, and Jianming Guo, 2003. Quaternary folding in the eastern Tian Shan, northwestern China. *Tectonophysics*, 369:79-101.
20. Bihong Fu, and Aiming Lin, 2003. Geometric features of the surface ruptures associated with the 2001 Ms 8.1 Central Kunlun (China) earthquake, revealed by satellite images. *International Journal of Remote Sensing*, 24: 2191-2198.
21. Aiming Lin, Bihong Fu, Jianming Guo, Qingli Zeng, Guangming Dang, Wengui, He, and Yue Zhao, 2002. Co-seismic strike-slip and rupture length produced by the 2001 Ms 8.1 Central Kunlun (China) earthquake. *Science*, 296:2015-2017.
22. Aiming Lin, Bihong Fu, Ken-ichi Kano, Tadashi Maruyama, and Jianming Guo, 2002. Strike-slip active faults in the Yanqi basin, southeastern Tian Shan, northwest China. *Tectonophysics*, 354:157-178.
23. Fu B.H., and Chou X.W., 1998. Thermal infrared spectra and TIMS imagery features of sedimentary rocks in the Kalpin Uplift, Tarim basin, China. *Geocarto International*, 13: 69-73.

代表论著:

1. 付碧宏,王萍,孔屏等, 2009,中国汶川“5·12”8.0级大地震地震地质灾害图集,地震出版社
2. 王永栋,付碧宏,谢小平等,2010,四川盆地陆相三叠系与侏罗系,中国科学技术大学出版社