



黄清华

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个人简历

教育背景:

中国科学技术大学, 学士, 1990
 中国地震局地震研究所, 硕士, 1993
 日本大阪大学, 博士, 1999

工作经历:

中国广东省地震局, 助研, 1993-2002
 日本物理化学研究所, Research Scientist, 1999-2002
 北京大学, 副教授、教授, 2002-
 瑞士ETH Zurich, Visiting Professor, 2006-2007

荣誉、获奖情况(省部级及以上):

入选“教育部新世纪优秀人才支持计划”
 马塔切纳青年优秀论文奖
 李善邦青年优秀地震科技论文奖
 赵九章优秀中青年科学奖
 傅承义青年科技奖

学术或社会职务:

中国地球物理学会, 理事, 副秘书长
 中国地球物理学会地球电磁学专业委员会, 副主任委员
 中国地震学会地震电磁专业委员会, 副主任委员
 中国地震学会地震预报专业委员会, 副主任委员
 中国地震学会地震学专业委员会、中国地震学会构造物理专业委员会, 委员
 IUGG(国际测量与地球物理联合会)下属的EMSEV(地震与火山电磁研究)工作组, 成员
 中国地球物理学会、中国地震学会、美国地球物理联合会(AGU)、美国勘探地球物理学家协会(SEG), 会员

工作情况及研究方向

教学与主讲课程:

地磁学与地电学, 地球物理学进展, 勘探电磁学, 地球电磁野外观测

所在专业与主要研究方向:

所在专业: 固体地球物理学专业
 主要研究方向: 地球电磁学, 地震物理学

主持的主要科研课题:

国家自然科学基金面上项目, 公益性(地震)行业科研专项, 科技部国际合作项目

科研成果与主要论著

国内外学术刊物:

1. Ren HX, Huang QH, Chen XF, 2010. A new numerical technique for simulating the coupled seismic and electromagnetic waves in layered porous media. *Earthquake Science*, 23(2): 167-176, doi:10.1007/s11589-009-0071-9.
1. Huang QH, Lin YF, 2010. Selectivity of seismic electric signal (SES) of the 2000 Izu earthquake swarm: a 3D FEM numerical simulation model. *Proc. Japan Acad.*, 86(3): 257-264, doi: 10.2183/pjab.86.257.
2. Ren HX, Huang QH, Chen XF, 2010. Analytical regularization of the high-frequency instability problem in numerical simulation of seismoelectric wave-fields in multi-layered porous media. *Chinese Journal of Geophysics*, 53(3): 506-511, doi: 10.3969/j.issn.0001-5733.2010.03.004.
3. 黄清华, 林玉峰, 2010. 地震电信号选择性数值模拟及可能影响因素. *地球物理学报*, 53(3): 535-543, doi: 10.3969/j.issn.0001-5733.2010.03.007.
1. 李展辉, 黄清华, 王彦宾, 2009. 三维错格时域伪谱法在频散介质井中雷达模拟中的应用. *地球物理学报*, 52 (7): 1915-1922, doi: 10.3969/j.issn.0001-5733.2009.07.027.
2. 韩鹏, 黄清华, 修济刚, 2009. 地磁日变与地震活动关系的主成分分析——以日本岩手县北部6.1级地震为例. *地球物理学报*, 52 (6): 1556-1563, doi: 10.3969/j.issn.0001-5733.2009.06.017.
3. 柯敢攀, 黄清华, 2009. 井地电法的三维正反演研究. *北京大学学报(自然科学版)*, 45(2): 264-272.
4. 李墩柱, 黄清华, 陈小斌, 2009. 误差对大地电磁测深反演的影响. *地球物理学报*, 52(1): 268-274.
5. Huang QH, 2008. Seismicity changes prior to the Ms8.0 Wenchuan earthquake in Sichuan, China. *Geophysical Research Letters*, 35, L23308, doi:10.1029/2008GL036270.
6. Huang Q., 2006. Search for reliable precursors: A case study of the seismic quiescence of the 2000 western Tottori prefecture earthquake. *Journal of Geophysical Research*, 111(B4), B04301, doi:10.1029/2005JB003982.
7. Huang Q., 2006. Seismicity associated with the 2000 earthquake swarm in the Izu Island region. *Journal of the Asian Earth Sciences*, 26(5):509-517, doi:10.1016/j.jseas.2004.11.005.
8. 黄清华, 刘涛, 2006. 新岛台地电场的潮汐响应与地震. *地球物理学报*, 49(6): 1745-1754.
9. Huang QH, 2005. Controlled analogue experiments on propagation of seismic electromagnetic signals. *Chinese Science Bulletin*, 50(17): 1956-1961.
10. Huang Q., 2004. Seismicity pattern changes prior to large earthquakes—An approach of the RTL algorithm. *Terrestrial, Atmospheric and Oceanic Sciences*, 15(3):469-491.
11. Huang Q., 2002. One possible generation mechanism of co-seismic electric signals. *Proceedings of the Japan Academy*, 78(7): 173-178.
12. Huang Q., Nagao T., 2002. Seismic quiescence before the 2000 M=7.3 Tottori earthquake. *Geophysical Research Letters*, 29(12): 1578, doi: 10.1029/2001GL013835.
13. Huang Q., Ncel A.O., Sobolev G.A., 2002. Precursory seismicity changes associated with the $M_w = 7.4$ 1999 August 17 Izmit (Turkey) earthquake. *Geophysical Journal International*, 151(1): 235-242.
14. Huang Q., Sobolev G.A., 2002. Precursory seismicity changes associated with the Nemuro Peninsula earthquake, January 28, 2000. *Journal of the Asian Earth Sciences*, 21(2): 135-146.
15. Du A., Huang Q., Yang S., 2002. Epicenter location by abnormal ULF electromagnetic emissions. *Geophysical Research Letters*, 29(10): 1455, doi: 10.1029/2001GL013616.
16. Huang Q., Sobolev G.A., Nagao T., 2001. Characteristics of the seismic quiescence and activation patterns before the M=7.2 Kobe earthquake, January 17, 1995. *Tectonophysics*, 337(1-2): 99-116.

国内外学术会议：

国际会议邀请报告：

- Huang QH, Ren HX, Chen XF, Han P, Lin YF, Li ZH, Li DZ. Earthquake-related electromagnetic study in China. The 3rd SCEC-ERI Joint Workshop on "Earthquake Hazards in Urban Area" and "Toward Constructing Forecast Systems of Earthquakes", Japan, March 2010. (Invited Speaker)
- Huang QH. Possible physics of earthquake-related electromagnetic phenomena. AOGS (Asia Oceania Geosciences Society) 6th Annual General Meeting, Singapore, August 2009. (Invited Speaker)
- Huang QH, Han P, Xiu JG. Principal component analysis of geomagnetic diurnal variation associated with earthquakes. 9th Science Council of Asia (SCA) Conference, Singapore, June 2009. (Invited Speaker)
- Huang QH. RTL algorithm and its application to seismicity analysis. Joint Meeting of Japan Geoscience Union (JPGU), Japan, May 2009. (Invited Speaker)
- Huang QH, Ren HX, Chen XF. Coupling of seismic and electromagnetic waves in layered porous media. General Assembly 2009 of the European Geosciences Union (EGU), Austria, April 2009. (Solicited Poster)
- Huang QH. Retrospective investigation of geophysical data possibly associated with the Ms8.0 Wenchuan earthquake. 1st International Workshop on "Validation of Earthquake precursors by Satellite and Terrestrial Observations (VESTO)", Japan, March 2009. (Invited Speaker)
- Huang QH. Geophysical measurements associated with the Ms8.0 Wenchuan earthquake. AGU Fall Meeting, USA, December 2008. (Invited Speaker)
- Huang QH, Ren HX, Chen XF. Coupling of Seismic and electromagnetic Waves in Multi-Layered Porous Media: A Numerical Simulation. International Workshop on Space and Lithosphere Environment Changes in Asia (IWSLEC2008), Japan, March 2008. (Invited Speaker)

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