崔保山

崔保山，男，博士，1967年10月生，北京师范大学环境学院教授，博士生导师。国家杰出青年科学基金获得者，全国优秀科技工作者。现任环境学院副院长，中国自然资源学会湿地保护专业委员会副主任，中国生态学会湿地生态专业委员会副主任，中国水利学会水资源专业委员会委员，国家湿地科学技术专家委员会委员。长期从事湖沼湿地生态过程和环境响应、生态系统管理等方面的研究。曾完成国家“973”课题、国家自然科学基金重点项目、水利部重点项目等30余项。近些年已出版<湿地学>等专著4部，发表论文200余篇，其中SCI论文80余篇，EI论文40余篇，申请和授权发明专利15项。曾获国家科技进步奖二等奖（2008），教育部科技进步二等奖（2008），教

性别： 男

学位： 博士

职称： 教授 博导

联系地址： 北京市海淀区新街口外大街19号

邮政编码： 100875

电话： 86-10-58802079(0),86-10-58802079(Fax)

Email： cuibs@bnu.edu.cn

教育经历：

1987.8-1991.7 河北师范大学资源环境学院获学士学位
1993.8-1996.7 中国科学院长春地理研究所获硕士学位
1997.8-2000.10 中国科学院长春地理研究所 获博士学位

工作经历：

1991.07-1993.08，河北省沽源县一中教师；
1996.07-1998.10,中国科学院长春地理研究所助理研究员;
1998.10-2000.10，中国科学院长春地理研究所副研究员；
2000.11-2002.08，北京师范大学环境学院博士后研究；
2002.11-2003.06，北京师范大学环境学院副教授；
2003.07-2004.06，北京师范大学环境学院教授；
2004.07-至今,北京师范大学环境学院教授博士生导师；
2008.02-2008.06，加拿大里贾纳大学高级访问学者；
2006.08-至今,北京师范大学环境学院副院长。

研究领域：

1. 湿地生态过程与环境响应
2. 湿地生态规划与管理
3. 生态系统设计与管理
4. 环境生态过程与调控

社会任职：

1. 中国生态学学会咨询工作委员会委员；
2. 中国自然资源学会湿地专业委员会副主任；
3. 中国生态学会湿地生态专业委员会副主任；
4. 中国环境科学学会环境地学分会委员；
5. 中国环境科学学会生态农业委员会委员；
6. 中国水利学会水资源专业委员会委员；
7. 国家湿地科学技术专家委员会委员；
8. 国家林业局湿地专家组国家级评审专家；

育部自然科学一等奖（2005），教育部科技进步一等奖（2011,2003）。

9. 全国泥炭标准化技术委员会委员；
10. 北京汉石桥湿地自然保护区高级顾问；
11. 北京湿地研究中心客座研究员；
12. 《生态学报》编委；
13. 《湿地科学》编委；
14. *CLEAN-Soil,Air,Water*刊物*Guest-Editor;*
15. *Journal of Hydrodynamics* 编委；
16. *International Journal of Ecology* 编委；
17. *International Journal of Environmental Protection*编委;
18. *Open Journal of Ecology*编委

获奖情况：

1. 教育部科技进步一等奖（2011）；
2. 全国优秀科技工作者（2010）；
3. 第八届中国环境科学学会优秀环境科技工作者奖（2010）；
4. 优秀环境科技工作者特别提名奖（2010）；
5. ISEIS杰出青年科学家奖（2010）；
6. 国家科技进步二等奖（2008）
7. 教育部科技进步二等奖（2008）
8. 教育部自然科学一等奖（2005）
9. 教育部新世纪优秀人才支持计划（2004）
10. 教育部科技进步一等奖（2003）
11. 北京师范大学优秀科技进步奖（2002）
12. 中国科学院院长奖学金（2000）
13. 中国科学院长春分院科技进步一等奖（1999）

参与研究：

1. 国家973项目:围填海活动对大江大河三角洲滨海湿地影响机理与生态修复，项目首席科学家（2013-2017）
2. 国家杰出青年科学基金项目：生态水利，课题负责人（2012-2015）
3. 国家自然科学基金重点项目：城市化背景下珠江河口湿地水环境效应，课题负责人（2009-2012）
4. 国家重大水专项：白洋淀草型富营养化和沼泽化逐级治理技术与工程示范，课题技术负责人（2009-2011）
5. 国家自然科学基金项目：黄河三角洲湿地恢复区水位模拟及其对生态补水的指示，课题主持人(2011-2013)
6. 国家自然科学基金项目：泛滥平原湿地对水文过程的响应及生态整合性,课题主持人(2006-2008)
7. 国家科技部973课题：纵向岭谷区重大工程建设与生态系统变化交互作用,课题主持人(2003-2008)
8. 国家自然科学基金重点项目：流域生态需水规律及时空配置,课题技术负责人(2003-2006)

9. 水利部项目：我国生态环境用水供求关系预测滚动模型，课题负责人（2011-2012）
10. 水利部项目：河道内生态环境需水量计算方法及实例研究, 课题技术负责人(2004-2006)
11. 教育部新世纪优秀人才支持计划：湿地生态健康及生态需水量研究,课题负责人(2004-2008)
12. 北京市科委重点项目：汉石桥湿地水量水质及生态恢复项目，课题负责人（2007－2008）
13. 济南市水利局项目：济南生态水系规划，课题负责人（2007－2008）

论文专著：

近**5**年代表性论文

1. He Q, **Cui BS***, An Y. Physical Stress, Not Biotic Interactions, Preclude an Invasive Grass from Establishing in Forb-Dominated Salt Marshes. *PLoS ONE* e33164. doi:10.1371/journal.pone.0033164 :(3)7 .2012
2. Li X, **Cui BS***, Yang QC, Tian HQ, Lan Y, Wang TT, Han Z. Detritus Quality Controls Macrophyte Decomposition under Different Nutrient Concentrations in a Eutrophic Shallow Lake, North China. *PLoS ONE* 2012. 7(7): e42042. doi:10.1371/journal.pone.0042042
3. Zhang HG, **Cui BS***, Ou BB, Lei XX. Application of a biotic index to assess natural and constructed riparian wetlands in an estuary. *Ecological Engineering* 313-2012.44,303
4. Fan XY, **Cui BS***, Zhang KJ, Zhang ZM, Shao HB. Water Quality Management Based on Division of Dry and Wet Seasons in Pearl River Delta, China. *CLEAN – Soil, Air, Water* 2012. 40,381-393
5. He Q, **Cui BS**, Bertness, MD, AnY. Testing the importance of plant strategies on .facilitation using congeners in a coastal community. *Ecology*, 2012, 93, 2023-2029
6. Fan XY, **Cui BS***, Zhang ZM. Spatial variations of river water quality in Pearl River Delta, China. Frontiers of Earth Science, 2012, 6, 291-296
7. **Cui BS**, Zhang ZM, Lei XX. Implementation of Diversified Ecological Networks to Strengthen Wetland Conservation. *CLEAN – Soil, Air, Water*,2012, 40, 1015 - 1026
8. Fan XY, **Cui BS***, Zhang KJ, Zhang ZM, Zhao H. Construction of River Channel-wetland Networks for Controlling Water Pollution in the Pearl River Delta, China. *CLEAN – Soil, Air, Water*,2012, 40, 1027 - 1035
9. Zhang ZM, **Cui BS***, Fan XY, Zhang KJ, Zhao H, Zhang HG. Wetland Network Design for Mitigation of Saltwater Intrusion by Replenishing Freshwater in an Estuary. *CLEAN – Soil, Air, Water*,2012, 40, 1036 - 1046
10. Yang RR, **Cui BS***. A Wetland Network Design for Water Allocation Based on Environmental Flow Requirements. *CLEAN – Soil, Air, Water*,2012, 40, 1047 - 1056

11. Zhang ZM, **Cui BS***, Ou BB, Fan XY, Wetland Network Design for Mitigation of Saltwater Intrusion by Transferring Tidal Discharge. *CLEAN – Soil, Air, Water*,2012, 40, 1057 – 1063
12. Fan XY, **Cui BS***, Zhao H, Zhang ZM. The Changes of Wetland Network Pattern Associated with Water Quality in the Pearl River Delta, China. *CLEAN – Soil, Air, Water*,2012, 40, 1064 – 1075
13. Hua YY, **Cui BS***, He WJ. Changes in Water Birds Habitat Suitability Following Wetland Restoration in the Yellow River Delta, China. *CLEAN – Soil, Air, Water*,2012, 40, 1076 – 1084
14. Zhang Y, **Cui BS***, Wang SR, Chu ZS, Fan XY, Hua YY, Lan Y. Relation between Enzyme Activity of Sediments and Lake Eutrophication in Grass-Type Lakes in North China. *CLEAN – Soil, Air, Water*,2012, 40, 1145 – 1153
15. Lan Y, **Cui BS***, You ZY, Li X, Han Z, Zhang YT, Zhang Y. Litter Decomposition of Six Macrophytes in a Eutrophic Shallow Lake (Baiyangdian Lake, China). *CLEAN – Soil, Air, Water*,2012, 40, 1159 – 1166
16. Zhang HG, **Cui BS***, Zhang KJ. Surficial and Vertical Distribution of Heavy Metals in Different Estuary Wetlands in the Pearl River, South China. *CLEAN – Soil, Air, Water*,2012, 40, 1174 – 1184
17. **Cui BS**, He Q, Zhang KJ, Chen X. Determinants of annual – perennial plant zonation across a salt – fresh marsh interface: a multistage assessment, *Oecologia*,2011,166(4),1067-1075
18. **Cui BS**, Hu B, Zhai HJ. Employing three ratio indices for ecological effect assessment of Manwan dam construction in the Lancang River, China. *River Research and Application*,2011,27(8),1000-1022
19. **Cui BS**, He Q, An Y. Spartina alterniflora invasions and effects on crab communities in a western Pacific estuary.*Ecological Engineering*,2011, 37 1924-1920,(11)
20. **Cui BS**, Zhang QJ, Zhang KJ, Liu XH, Zhang HG. Analyzing trophic transfer of heavy metals for food webs in the newly-formed wetlands of the Yellow River .Delta, China,*Environmental Pollution*, 2011, 159, 1297-1306
21. **Cui BS**, He Q, An Y. Community structure and abiotic determinants of salt marsh plant zonation vary across topographic gradients. *Estuaries and Coasts*,2011,34,459-469
22. Zhang HG,**Cui BS***, Hong JM, Zhang KJ. Synergism of natural and constructed wetlands in Beijing, China. *Ecological Engineering*,2011, 37,128-138
23. Liu Q, **Cui BS***. Impacts of climate change/variability on the streamflow in the Yellow River Basin, China. *Ecological Modelling*, 2011,222,268-274
24. **Cui BS**, Li X, Zhang KJ. Classification of hydrological conditions to assess water allocation schemes for Lake Baiyangdian in North China. *Journal of Hydrology*, 256-2010,385,247
25. **Cui BS**, Hua YY, Wang CF,Liao XL,Tan XJ,Tao WD. Estimation of Ecological Water Requirements Based on Habitat Response to Water Level in Huanghe River

Delta, China. *Chin. Geogra. Sci*., 2010 20(4) 318 – 329

26. **Cui BS**, Yang QC, Zhang KJ,Zhao XS, You ZY. Responses of saltcedar (Tamarix chinensis) to water table depth and soil salinity in the Yellow River Delta, China. *Plant Ecology*,2010,209,279-290
27. Zhai HJ, **Cui BS*,** Hu B, Zhang KJ.Prediction of the river ecological integrity after the cascade hydropower dam construction on the mainstream of rivers in Longitudinal Range-Gorge Region (LRGR), China. *Ecological Engineering* 2010, 372-361 ,36
28. Zhao H, **Cui BS*,** Zhang KJ. The distribution of heavy metal in surface soils and their uptake by plants along roadside slopes in Longitudinal Range Gorge Region LRGR), China. *Environmental Earth Sciences*,2010,61,1013-1023)
29. Bai JH, **Cui BS*,** Yang ZF,Xu XF, Ding QY, Gao HF.Heavy metal contamination of cultivated wetland soil along plateau lake from southwest China. *Environmental Earth Sciences*, 2010,59,1781-1788
30. **Cui BS**, Zhai HJ, Dong SK, Chen B, Liu SL. Multivariate analysis of the effects of edaphic and topographical factors on plant distribution in the Yilong Lake Basin of Yun-Gui Plateau, China. *Canadian Journal of Plant Science*, 2009, 89 (1): 209-219
31. He Q, **Cui BS*,** Cai YZ, Deng JF, Sun T, Yang ZF.What confines an annual plant to two separate zones along coastal topographic gradients? *Hydrobiologia*, 340-2009,630:327
32. Liu Q, **Cui BS*,** Yang ZF.Dynamics of the soil water and solute in the sodic saline soil in the Songnen plain, China. *Environmental Earth Sciences*, 2009,59,837-845
33. Bai JH, **Cui BS*,** Xu XF,Ding QY, Gao HF.Heavy Metal Contamination in Riverine Soils Upstream and Downstream of a Hydroelectric Dam on the Lancang River, China. *Environmental Engineering Science*, 2009,26(5):941-946
34. Bai JH,**Cui BS***, Wang QG, Gao HF, Ding QY. Assessment of heavy metal contamination of roadside soils in Southwest China. Stochastic *Environmental Research and Risk Assessment*, 2009, 23:341 – 347
35. Hu B,**Cui BS***,Dong S K,Zhai H J,Liu Z Y.Ecological Water Requirement (EWR) Analysis of High Mountain and Steep Gorge (HMSG) River—Application to Upper Lancang – Mekong River, *Water Resources Management*, 2009,23: 341-366
36. **Cui BS**, Zhao SQ, Zhang KJ, Li SC, DongSK, Bai JH. Impact of Dabao highway construction on plant species and soil nutrients in Longitudinal Range Gorge Region LRGR) of Southwestern China. *Environmental Monitoring and Assessment*,) 559–2009,158:545
37. **Cui BS,** Wang CF, Tao WD, You ZY. River channel network design for drought and flood control: A case study of Xiaoqinghe River basin, Jinan City, China. *Journal of Environmental Management*. 2009,90, 3675-3686
38. Wei GL, Yang ZF, **Cui BS***, Li B, Chen H, Bai JH, Dong SK. Impact of dam construction on water quality and water self-purification capacity of the Lancang

River, China. *Water Resources Management*, 2009, 23:1763-1780

39. **Cui BS,** Tang N, Zhao XS, Bai JH. A management-oriented valuation method to determine ecological water requirement for wetlands in the Yellow River Delta of China. *Journal for Nature Conservation* 2009,17,129-141
40. **Cui BS,** Yang QC, Yang ZF, Zhang KJ. Evaluating the ecological performance of wetland restoration in the Yellow River Delta, China. *Ecological Engineering* 1103-2009,35:1090

主要著作

1. 杨志峰，崔保山，孙涛等. 湿地生态需水机理、模型和配置. 北京：科学出版社，2012.1
2. 崔保山，杨志峰，董世魁等. 纵向岭谷区重大工程建设与区域生态系统变化交互作用. 北京：科学出版社，2009.12
3. 崔保山, 杨志峰. 湿地学. 北京： 北京师范大学出版社, 2006.12
4. 杨志峰, 崔保山,刘静玲等. 生态环境需水量理论、方法与实践. 北京：科学出版社, 2003.3