

Liu Binyi



Job title: Professor
College/Department: Faculties of Humanities and Arts
Fax: (853) 2888-0091
Office : R410
E-mail address : Wai Long Road, Taipa, Macau

Teaching and research areas

Theoretical research and sustainable application of habitat science

Theoretical research and planning and design practice in landscape architecture

Landscape sensing analysis and evaluation and aesthetics basic theory research

Education

1992 - 1994 Postdoctoral Fellow, Landscape Resource Evaluation, Virginia Polytechnic Institute and State University, U.S.A.
1986 - 1989 Tongji University / Urban and Rural Planning (Landscape Architecture) / PhD in Engineering
1983 - 1986 Tongji University / Architecture / Master
1978 - 1983 Tongji University / Architecture / Bachelor

Teaching experience

2025 - Current Professor, Faculty of Humanities and Arts, Macao University of Science and Technology, Macau
2022 - 2024 Distinguished Professor-BoD, Macao University of Science and Technology; Scholar-in-Residence, Soochow University
2005 - 2010 Adjunct Professor, Department of Landscape Architecture, Virginia Polytechnic Institute and State University, USA
1996 - 2022 Professor-Master and Doctoral Director, School of Architecture and Urban Planning, Tongji University
1992 - 1995 Associate Professor, School of Architecture and Urban Planning, Tongji University, China
1992 - 1994 Postdoctoral Fellow, Virginia Polytechnic Institute and State University, USA
1989 - 1991 Lecturer, School of Architecture and Urban Planning, Tongji University

Based on the platform of School of Architecture and Urban Planning of Tongji University, he has been engaged in teaching for 42 years so far, serving as department head for 18 years and subject leader for 30 years. In the field of modern landscape architecture, he has rich theoretical and practical experience in discipline development, professional construction, curriculum development, teaching of core professional courses, and teaching management of the whole department.

Academic achievement

Journal article :

Representative papers in recent years (more than 570 scholarly papers published to date since the first paper in 1985)				
Published date	Title of paper	Journal title	Publication type	Author situation
1988.09	The degree of scenic openness and seclusion - scenic planning and design assisted by electronic computer and aerial surveying[J].	New Architecture, 1988(3):53-63.	Core journal	Solo publications
1989.07	Liu Binyi. Remote sensing - assisted landscape engineering[J].	Journal of Architecture, 1989(7):41-46.	Core journal	Solo publications
1990.08	Systematization of landscape and scenic engineering[J].	Journal of Architecture, The 1990(8):47-53.	Core journal	Solo publications
1990.05	Visual quality assessment of landscape environments[J].	Journal of Tongji University, 1990(3):298	Core journal	Solo publications
1999.06	Trinitarianism: the philosophical basis of human agglomeration environmentalism	Planner 1999.15(2) 81-84	Core journal	Solo publications
2011.06	A preliminary study of the coordinate system for the development of the discipline of landscape architecture	Chinese Landscape Architecture	Core journal	Solo publications
2013.11	Three elements of landscape architecture	Chinese Landscape Architecture	Core journal	Solo publications
2016.11	A humble opinion on the scientific research of landscape architecture -- the experience of the research of landscape architecture subject of national natural science foundation from 1986 to 2016	Chinese Landscape Architecture	Core journal	Solo publications
2017.01	Discipline quality analysis and development system construction -- thinking on the construction of the discipline of landscape	Chinese Landscape Architecture	Core journal	Solo publications
2019	The influence of urban roadside trees and their physical environment on stress relief measures: a field experiment in Shanghai[J].	Urban Forestry & Urban Greening 42, 51-60.	SCI	Communications 3/3
2019	Green facades: their contribution to stress recovery and well-being in high-density cities [J]	Urban Forestry & Urban Greening 46, 126446.	SCI	Communications 4/4
2020	Windows view and relaxation: viewing green space from a high-rise estate improves urban dweller's wellbeing[J]	Urban Forestry and Urban Greening 55 (2020)	SCI	Communications 3/3
2021.11	Landscape architecture discipline systematization construction	Chinese Landscape Architecture	Core journal	Solo publications
2021	Benefits of indirect contact with nature on the physio psychological well-being of elderly people	Herd - Health Environments Research & Design Journal.2021,14(4)	SSCI	Communications 3/3
2021.07	Foliage colors improve relaxation and emotional status of university students from different countries	HELIYON	SCI	Communications
2022.12	A field study of outdoor human thermal perception in three seasons in Shanghai, China	Buildings	SCI	Communications
2022.09	Toward landscape sensing - heritage development of landscape perception and visual appraisal	Landscape Architecture	Core journal	Solo publications
2023.01	The mission of landscape architecture discipline in China in the new era of ecological civilization	Chinese Landscape Architecture	Core journal	Solo publications
2023.09	Optimization of landscape spatial configuration and form for thermal comfort: a case study of urban square, Shanghai.	Atmosphere[J], 2023. 14(9): 1357-1380	SCI	Communications 4/4

2023.10	Visual assessment of historic landmarks based on GIS and survey: a study of view and viewing of tiger hill in Suzhou, China.	Journal of Asian Architecture and Building Engineering[J], 2023, p1-15	SCI	Communication s 4/4
2023.11	Mechanisms of the generation of spatial-temporal perception in the "step-by-step" net shifu garden.	Chinese Landscape Architecture, [J], 2023, 39 (11): 22-28.(A)	Core journal	Communication s 4/4
2023.11	A quantitative study of spatial perception mechanisms in outdoor landscapes of high-rise buildings.	Chinese Landscape Architecture, [J], 2023, 39 (11): 6-14.(A)	Core journal	1/2 of one work
2024.7	Research on the mechanism of landscape multidimensional perception of eight views	Landscape Architecture, 2024,31(07):12-19.	Core journal, category 1; journal impact factor: 3.169	I (1/5)
2024.7	Exploration of the aesthetics of landscape gardening--The human environment sensing mechanism of landscape and the design principle of landscape loop	Chinese Landscape Architecture ,2024,40(07):6-14.	Core journal, category 1; impact factor: 3.205	Solo publicationsh
2024.11	Effects of subjective and objective plant diversity on health behavior of residents in urban park green spaces[J].	Chinese Landscape Architecture, 2024, 40(11): 6-14.	Ibid	I 1/4
2024.11	Research on the mechanism of "human-flower sensing" in gardens: the case of daylily garden[J].	Chinese Landscape Architecture, 2024, 40(11): 29-34.	Ibid	Communications 3/5
2024.11	High-rise window views: evaluating the physiological and psychological impacts of green, blue, and built environments[J].	Building and Environment, 2024, 262: 111798.	SCI region I impact factor: 7.1	Communications 3/3
2025.02	Local landscape evolution mechanism and resilience development strategy of habitat in jiangnan canal basin	Chinese Landscape Architecture, 2025, 41(02): 31-37.	Impact factor: 3.205	Communications 3/3

Published works

The total number of published works and norms: 32, including 20 monographs, 4 co-authors, 2 norms, 1 English translation and proofreading, presiding over 1 data collection of architectural design landscape chapter, editing 2 international conference proceedings, 1 textbook and 1 anthology.			
Come out date	Title of work	Publishing house	Solo or co-author (Author rankings)
1990.12	Landscape engineering systematization	China Construction Industry Press	Solo
1996.10	Illustrating the human landscape - a historical theory of environmental shaping	Field City Press	Chief translator
1999.08	Modern landscape planning and design (four editions 1999/2005/2010/2017)	Southeast University Press	Singleton
2002.01	Natural pristine landscape and tourism planning and design--Xinjiang Khenas Lake	Southeast University Press	Dominator
2002.03	Urban road landscape planning and design	Southeast University Press	Dominator
2003.04	Historical and cultural landscape and tourism planning and design Nanjing Xuanwu Lake	China Construction Industry Press	Dominator
2005.01	Monumental landscape and tourism planning and design	Southeast University Press	Dominator
2006.02	Urban waterfront landscape planning and design	Southeast University Press	Dominator
2006.05	Theory and practice of strategic planning for tourism development	Southeast University Press	dictate
2011.10	Urban green space system planning	China Construction Industry Press	Co-authored
2016.03	Habitat research methodology and applications	China Construction Industry Press	Dominator

2016.12	Liu Binyi collection of paintings	Shanghai People's Fine Arts Publishing House	Solo
2017.09	Architectural design sourcebook (3rd Edition) [M]. division I landscape design chapter	China Construction Industry Press	Co-authored
2018.04	Research on landscape morphological thinking and design methods [M]..	Tongji University Press.	Co-authored
2018.12	Microclimate in landscape architecture - Proceedings of the First International Symposium on Microclimate in Landscape Architecture in China[C]	China Construction Industry Press	Editor-in-chief
2021.01	Microclimate in landscape architecture - Proceedings of the Second International Symposium on Microclimate in Landscape Architecture in China[C]	China Construction Industry Press	Editor-in-chief
2023.01	The trialism and application of human settlement, inhabitation and travel environment studies: Applications in water-net region[M].	Springer, 2024.	Solo
2023.12.	Theory and application of landscape ecology - Optimization of landscape ecological patterns and planning strategies for livable urban and rural local green spaces, all in Korean.	Jilin University Press	Co-authored
2024.11	The trialism and application of human settlement, inhabitation and travel environment studies:Applications in valley, plain, hilly, and arid regions [M]	Springer, 2024.	Solo

Research projects

Start and end time	Participated in and presided over 10 projects of the national natural science foundation of China, and one project of major R&D science and technology support program.
1983-1986	1. "Analysis and evaluation of landscape: Scenic openness and seclusion, photogrammetry, and computer - aided landscape evaluation and planning", a Tongji University - level funded project (Project leader: Feng Jizhong, Key researcher: Liu Binyi); CNY 10,000
1987-1988	2. "Spatio - temporal translation of landscape information and measurement of psychological effects", a project funded by the National Natural Science Foundation of China (Project leader: Feng Jizhong, Key researcher: Liu Binyi) (5960236); CNY 20,000
1989-1990	3. "Research on theories and methods of scenic resource census", a project funded by the National Natural Science Foundation of China (Project leader: Feng Jizhong, Key researcher: Liu Binyi) (5880352); CNY 20,000
1991-1995	4. "Research on evaluation methods of environmental greening systems", a project funded by the Shanghai Higher Education Bureau (Project leader: Liu Binyi)
1992-1994	5. "Field information simulation - Research on methods of applying computer remote sensing and GIS to urban and rural planning", a youth fund project of the National Natural Science Foundation of China (Project leader: Liu Binyi) (59108058); CNY 20,000
1995-1997	6. "Positioning and orientation of the development of Chinese landscape architecture and professional education", a scientific research project funded by the State Education Commission for returned overseas students, 1995 - 1997; CNY 20,000
1991-1995	7. "Research on theories and technologies of field planning - Taking Shanghai metropolis as an example", a project of the Shanghai Young Scientists Star Program (Project leader: Liu Binyi) 1991 - 1995; CNY 20,000
1992-1996	"Research on landscape system engineering and its applications", a tracking project of the Excellent Young Teachers Fund of the State Education Commission (Project leader: Liu Binyi) 1992 - 1996; CNY 20,000
1993-1994	9."Development of an auxiliary decision - making system for scenic resource management", a project funded by the National Park Service of the United States and Virginia Tech (Key researcher: Liu Binyi) 1993 - 1994; USD 15,000
1995-1997	10."Research and application of integrated technologies of remote sensing, GPS, and GIS - Taking Shanghai urban planning as an example", a project of the State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan Technical University of Surveying and Mapping (Project leader: Liu Binyi) (WKL19470401) from January 1, 1995 to January 1, 1997; CNY 20,000

1996-1998	11. "Research on methods of census of human settlement environment resources", a project funded by the National Natural Science Foundation of China (Project leader: Liu Binyi), (59678011)1996 - 1998; CNY 100,000
1998-2000	12. "Research on the CQE human settlement environment engineering system", a project of the Cross - Century Excellent Talents Training Program of the State Education Commission (Project leader: Liu Binyi) from January 1998 to December 2000; CNY 300,000
1999-2001	13. "Research on theories and methods of spatio - temporal planning of scenic and tourism resources", a project funded by the National Natural Science Foundation of China (Project leader: Liu Binyi)(79870012/G0409) from January 1999 to December 2001; CNY 120,000
2006-2008	14. "Research on AVC evaluation of scenic and tourism planning", a project funded by the National Natural Science Foundation of China (Project leader: Liu Binyi (50578112)) from January 2006 to December 2008; CNY 150,000
2012-2015	15. "Research on the win - win spatial model and growth mechanism of water and greenery in the arid area of the loess plateau", a project funded by the National Natural Science Foundation of China (Project leader: Liu Binyi) (51178319) from January 2012 to December 2015; CNY 580,000
2008-2012	16. "Research on key technologies for ecological construction and management of urban green space systems (2008BAJ10)", a key project of the 11th Five - Year Plan of the Ministry of Science and Technology of China (Project leader: Liu Binyi) from January 2008 to December 2011; CNY 72,580,000
2008-2012	17. "Research on key technologies for ecological construction and management of urban green space systems (2008BAJ10) - Topic 2: Research on key technologies for optimizing the spatial structure and ecological function of urban green spaces (2008BAJ10B02)", a key project of the 11th Five - Year Plan of the Ministry of Science and Technology of China (Topic leader: Liu Binyi) from January 2008 to December 2011; CNY 6,000,000
2014-2018	18. "Research on theories and methods of micro - climate adaptive design in landscape architecture for livable urban environments", a key project of the National Natural Science Foundation of China (Project leader: Liu Binyi) (51338007/E080202) from January 2014 to December 2018; CNY 3,000,000
2017-2020	19. "Research on the induction mechanism and evaluation of urban landscape visual spatial networks", a general project of the National Natural Science Foundation of China (Project leader: Liu Binyi) (1451678417/E080202) from January 2017 to December 2020; CNY 620,000
2019-2019	20. "Research on the optimization of the style and features of human settlements environment", an external cooperation project of the China Land Surveying and Planning Institute (Project leader: Liu Binyi) (Contract No.: 20191211264) from March 2019 to December 2019; CNY 150,000
2022-2026	21. Key project of the National Natural Science Foundation of China, "Theories and methods of landscape ecological planning for livable urban and rural local areas" (52130804) from January 2022 to December 2026. Total funding: CNY 3,000,000 (A joint project of Peking University, Tongji University, and Tsinghua University. Liu Binyi is the project leader of Tongji University, with funding of CNY 1,000,000)

Landscape Architecture and Urban Architecture Planning and Design Project Title

Completion time	Project name	Project location Project size	Project profile
2001-2015 (Completed)	Zhangjiagang Jiyang lake ecological park planning and design	Zhangjiagang City, Jiangsu province 4.41km ²	The project aims at the comprehensive development of urban environment, social and economic benefits, and is guided by the concept of landscape ecology to create a new urban area integrating recreation, entertainment, vacation and residence, which is extremely modern and embodies the characteristics of ecological gardens.

2011-2013 (Completed)	Weifang city, Shandong province, Bailang river landscape planning and design	Weifang, Shandong province 415km ²	Utilizing nature, recreating nature; free-form, ecological river; cultural heritage, Weifang impression; highlighting the key points, simple and connected; road and embankment are separated, and the road is shifted to a different landscape. Bailang river will be built into a collection of ecological sightseeing, tourism and leisure, commercial services, history and culture into one of the landscape of the river, the river of business, the river of culture. Now it has become a tourism complex with strong color of people's livelihood integrating tourism, leisure, entertainment, catering, residence and life experience in Weifang city.
March 2016	Development plan of modern agricultural demonstration belt in the eastern mainline of Jurong city, Jiangsu province	Jurong, Jiangsu province 93km ²	Relying on Jurong agricultural production resource endowment and advantageous industrial foundation, with the overall goal of building a national modern agricultural comprehensive development demonstration belt, introducing the development of modern agriculture "sixth industry" and "Internet +" new thinking, and grasping the new opportunities of the "experience economy era". "Experience economy era" new opportunities, and through scientific and technological inputs, cultural and creative enhancement, branding, etc., to the agricultural input of advanced management models and concepts, planning agricultural industrial tourism projects to achieve diversified, multi-functional goals of modern agriculture.
December 2016	Wenzhou Sanyang wetland planning and design	Wenzhou, Zhejiang province 10.67km ²	Relying on the basic function of the "kidney of the city" and based on the good location of the "green heart of the city", the wetland park takes the unique and good wetland ecological environment as the background, and strengthens the interaction between ecology and tourism and various industries through the conservation of biodiversity, the excavation of local culture, and the improvement of tourism service facilities. Through the conservation of biodiversity, the excavation of local culture and the improvement of tourism service facilities, the park will strengthen the interaction between ecology and tourism and various industries, and plan core projects to trigger the scenic spot, so as to build a national urban wetland park integrating ecological conservation, popular science education and recreation.
June 2017	Conceptual planning and design of the whole area scenic area of Dongtou district, Wenzhou city	Wenzhou, Zhejiang province 153.3km ²	Relying on marine resources and existing advantages in recreation, Dongtou is oriented to the development of marine tourism and recreation tourism, realizing the integration of recreation, vacation, culture and other industries, and integrating planning, programming and operation to make Dongtou a blue recreation resort in China. Constructing "3+9+X" tourism industry development system in Dongtou District, and ultimately realizing the development of Dongtou's "Tourism - Vacation Tourism - Recreation Tourism".
December 2017	Xuanhua district regional tourism development master plan + detailed construction plan of Lotus Rack Grape Culture and Creation in Xuanhua district	Zhangjiakou, Hebei province, 1978km ² (scope of the master plan) + 0.33km ² (Constructive detailing)	Adopting a new tourism development concept thinking for logic, building an attractive Xuanhua tourism product industry system, optimizing the spatial layout of tourism development, integrating urban and rural agglomeration development, and constructing an all-area tourism destination system. Lotus Rack Grape Cultural and Creative Zone as the first start-up area products, the twenty-four seasons as an opportunity to plan and design eighteen landscape nodes, the formation of a heart, a corridor, two streets, eighteen scenes of the four seasons of the evergreen gallery, to create Xuanhua ▪ globally important agricultural cultural heritage park.
May 2021	Hangzhou Qiantang river embankment and	Hangzhou, Zhejiang province	Constructing a safety-based waterfront area, relying on ecological elements such as mountains, water systems, wetlands, parks, etc., combining with the green space

	bankline overall upgrading and reconstruction plan	342km ²	system, digging deeply into the history and culture of the Qiantang River Basin and the regional culture of Hangzhou, implanting the cultural elements into the two sides of the Qiantang River, constructing a waterfront city living room with waterfront and city integration, constructing the Hundred Mile Qiantang Map, and planning the "10+N Planning of "10+N" riverfront recreational spots.
August 2021	Design of wetland park in the core area of Science and Technology Eco-city, Yongchuan district, Chongqing, China	Yongchuan District, Chongqing 3.65km ²	Based on the original site of Yongchuan's land and culture, and the open and orderly landscape space, it creates a super-sensitive park that emphasizes feeling, sensation, and induction. Twelve scenarios are created to show the poetic life of ancient and modern times, including six natural activity sites, four cultural activity sites and two artistic activity sites, and special activity programs are planned for the corresponding activity sites.
September 2021	Yancheng Dafeng Doulong Harbor ecological wetland water upstream line landscape conceptual planning and design	Yancheng City, Jiangsu province 17.32km ²	Taking the water system of Doulong Harbor as a link and the bank belt as a carrier, governance first, promoting water ecological protection and restoration, enriching the construction of landscape and open space system, planning the "Doulong Nine Scenic Spots" featured tourism projects, carrying all-age, all-weather, all-round activity experience, and constructing the upstream vitality belt of the ecological wetland water of Doulong Harbor. A river should drive the development of a tourism industry area.
October 2021	Wenzhou Eco-park Daluoshan area conceptual planning and urban design of key blocks	Wenzhou, Zhejiang province 11km ²	In order to meet the needs of spatial development and urban construction in Wenzhou, the overall protection and development and utilization of ecological parks, and the needs of rural revitalization and common prosperity in Daluoshan. With ecological resources as the background, culture and tourism industry as the leading, mountain city style as the image, the city and garden mingled with the concept of urban development, the construction of green carbon sinks in the center of Wenzhou city highland, shaping the image of Wenzhou city landscape core business card. Combined with the tourism line planning 5 core projects, 10 key projects and 30 general projects, planning five thematic tourism lines, to create a national recreation tourism demonstration base.
December 2019 -December 2022	Zibo city, Shandong province, the whole area of the park city construction plan	Zibo, Shandong province 6000km ²	After Chengdu Park City, this project is the largest park city planning and construction project in China. Based on the 5-factor theory of "People, Environment, Industry and City System" put forward by Liu Binyi, the project has been implemented in a comprehensive and detailed manner for three years, and a series of pioneering practices have been completed, which have begun to bear fruit.
April-Aug. 2023	Urban design of the area below the dam of Foziling Reservoir, Jinzhai county, Anhui province, China	Jinzhai County, Anhui province Foziling reservoir lower Dam Area 10km ²	To create a new urban and rural habitat based on the park city concept in the context of the old red revolutionary areas.

List of Landscape Architecture and Urban Architecture Planning and Design Projects

Project catalog

Planning and design of national scenic spots/world heritage sites/tourist resorts/national forest parks/national wetlands/large city-level country parks

1984-1988 Sanqingshan national key scenic area master plan (200 km²)

1986-1988 Master plan for Taimushan national key scenic area (100km²)

1997 Master plan for Liuye lake tourism resort, Changde city, Hunan (40km²)

1998 Detailed construction planning and architectural design for the core area of Liuye lake tourism resort, Changde, Hunan (2km²)

1999	Shanghai Sheshan national tourism resort core area planning and design(10km ²)
1999-2000	Tourism planning and scenic spot detailed planning for Yangshuo moon mountain scenic tourism area, Guangxi (5km ²)
1999-2000	Shenzhen Yantian tourism development planning and site development control / scenic tourism area development diversity feasibility study planning and control planning (24km ²)
1999	Detailed plan for the core area of Sheshan national tourist resort (18km ²)
2001	Tourism development planning, general planning and detailed planning for Jiguanshan tourism zone, Chengdu, Sichuan (100 km ²)
2001	Nanjing Xuanwu lake landscape tourism area master plan planning (10km ²)
2001	Hangzhou "West lake westward" feasibility study (10km ²)
2001-2002	Qingdao Shilantao national tourist resort tourism development planning and master plan (37km ²)
2002	International consultation on Gulangyu development concept, Xiamen, Fujian province (1.85km ²)
2002	Revision of the master plan of Gulangyu-Wanshi mountain national key scenic area, Xiamen, Fujian province (245.74km ²)
2002-2003	Anhui province, Chizhou city, Baishahu scenic spot master plan (37km ²)
2002	Master plan of Guiqing mountain national forest park, Zhangxian county, Gansu province (150km ²)
2002-2003	Planning and designing of tourism wharf at Qiandao lake, Zhejiang province (40hm ²) (completed as planned)
2003-2004	Control detailed planning for coastal area of North and South lake scenic area, Haiyan, Zhejiang (5km ²)
2002-2004	Anhui Tangchi tourist resort master plan and detailed plan (76km ² /1.5km ²)
2004-2006	Detailed planning and design of Hongshanzui alpine hot spring tourism resort, Fuhai county, Xinjiang (13km ²)
2005-2006	Anhui Bengbu Tushan scenic spot core area tourism project planning and control detailed planning (16km ² /400hm ²)
2005-2006	Master plan of Suyukou national forest park, Helan mountains, Ningxia (96km ²)
2005-2006	Planning of Yinchuan Yuhai national wetland park, Ningxia (38km ²)
2005-2006	General and detailed planning of Xiamen Haicang Tianzhushan forest park (37km ²)
2007-2008	Master plan for Qiandao lake Jinxian bay tourism resort block, Chun'an county, Zhejiang (30km ²)
2007-2008	Tourism project planning and conceptual planning for the Sishui Quanlin spring group scenic and historic spot in Shandong (4.3 km ²)/detailed construction planning for the core area of the main scenic spot detailed construction planning for the core area of the main scenic spot (3.7 km ² /1.67 km ²)
2007	Master plan for Shuangyue lake national urban wetland park, Linyi city, Shandong province (56.3hm ²)
2008	Nanjing Xuanwu lake scenic area lighting planning and design (4.73km ²)
2009	Master plan and detailed plan for hot spring resort area in Jinzhou city, Hebei province (30km ² /2km ²)
2009	Conceptual planning of Jiangjia industrial block recreational resort in Chun'an county, Jiang province (10.8km ²)
2009-2010	Master plan for Dayangshan national forest park, Suzhou, Jiangsu province (13.21km ²)
2009-2010	Planning and design of Shenzheng Chenxiangtun base, Shenyang, Liaoning province(120hm ²)
2011-2012	Ecotourism planning for Tianzhushan national forest park, Changtai, Fujian (20km ²)
2011-2012	Planning and design of the "Thousand Wetlands" national wetland park in Baoji city, Shaanxi (28km ²)
2011-2012	Henan Luoyang Longmen Grottoes world cultural heritage park strategic development planning and scenic area detailed planning design (32km ²) construction drawing design (1km ²) completed
2011-2012	Planning and design of the "Thousand Wetlands" national wetland park in Baoji city, Shaanxi(28km ²)
2013-2015	Shenyang Huishan scenic and historic interest area master plan(155km ²)
2015	Wenzhou Sanyang wetland park conceptual planning and design (10km ²)
2018	International competition for the planning and design of the Tang Shunling site park in Airport New City, Xixian New District, Xi'an, Shaanxi (10hm ²)

Tourism planning

1998	Planning and design of Huangwo scenic tourism in Lianyungang, Jiangsu province(10km ²)
1999-2001	Planning and programming of ecological landscape tourism development in Kanas region, Xinjiang (2000km ²)

2001	Planning and programming of the Genghis Khan mausoleum international tourism zone in Inner Mongolia (88km ²)
2001-2002	Xinjiang Xinyuan county (Nalati prairie) tourism master plan and detailed plan(9336km ²)
2002	Master plan of Dule scenic and tourism area, Liuzhou city(1.33km ²)
2002	Xiamen Haicang tourism development concept plan(154km ²)
2002-2003	Liaoning Huludao city coastal belt tourism development plan (300km long X 2km wide)
2002-2004	Shanxi Yuncheng tourism and landscape planning and planning (80km ²)
2003-2004	Zhejiang Dongyang tourism development master plan (1500km ²)
2003-2004	Kexu-Kashgar-Aksu-Hotan tourism development strategic plan, Xinjiang(650,000km ²)
2003-2004	Conceptual plan for China-Kyrgyzstan Issyk-Kul international tourism strategy(400,000 km ²)
2003	Tourism development master plan of Fuhai county, Xinjiang (10,000km ²)
2002-2003	Anhui Chizhou city tourism development master plan (8271km ²)
2004-2005	Strategic plan for the development of the cultural and tourism belt of the Helan mountains in Yinchuan, Ningxia (10,000km ²)
2005-2007	Jiangyin southern region tourism and ecological development strategic planning and core area detailed planning (400km ² /68km ²)
2005-2006	Yinchuan tourism master plan, Ningxia autonomous region (9170.3km ²)
2006	Shandong Lushan Yintan Wintan open heaven and earth cultural expo resort tourism master plan (6km ²)
2006-2008	Shaanxi province Dahuashan tourism strategic plan (500,000km ²)/Huayin city tourism master plan (817km ²)
2007-2008	Planning and planning of tourism project in Cao'e river gate hub area, Shaoxing, Zhejiang province (24.7km ²)
2008	Anhui Tongcheng Kongcheng old street tourist resort master plan and conceptual detailed plan (2km ²)
2009-2010	Strategic planning for tourism development in Shenyang Shenbei new area (800km ²)
2010	Xiamen Haicang island tourism master plan (1km ²)
2009-2010	Gansu Qingyang red tourism development plan (27,000km ²)
2012-2013	Detailed plan of Tianzhushan tourist resort phase I, Zhangzhou, Fujian (15km ²)
2012-2013	Tourism development plan for Yining city, Yili prefecture, Xinjiang (755km ²)
2013	Tourism development plan for the Chinese three races cultural park (2km ²)
2014	Shandong Rizhao catch the sea park tourism development plan(1km ²)
2015-2016	Gansu Qingyang red tourism master plan (27,000km ²)
2015-2016	Ecological landscape and tourism conceptual planning for the southern polder area of Nanqiao district, Chuzhou city, Anhui province (56.7km ²)
2017	Guiding engineering planning and design for ecotourism infrastructure construction project in Zhaosu county ecological protection and construction demonstration area, Xinjiang Yili prefecture
2016-2018	Master plan for regional tourism development in Xuanhua district, Zhangjiakou, Hebei province (2327km ²)
2017-2018	Construction planning along the observation route of the 2018 Anshun tourism industry development conference (107km ²)
2018-2019	Planning and design of Changshan modern field plot, Zhangzhou city, Fujian(137hm ²)

Urban green space system planning/urban forest planning

1990-1992	Shanghai green space system plan 2050 (6340km ²)
2001-2002	Green space system plan for Changzhou city, Jiangsu province (2000km ²)
2001-2002	Green space system planning and landscape planning and design of key urban lots in Yuncheng city, Shanxi province (150km ² /50km ²)
2001-2002	Urban green space system planning for Xiamen, Fujian(1516hm ² /600 km ² /125km ²)
2005-2006	Urban forest planning for Aksu city, Xinjiang (11,000 km ² /200 km ² /50 km ²)
2005-2006	Feasibility study of urban green space system planning in Shanghai(11000km ²)
2005-2006	Revision of the green space system master plan of Wuxi city, Jiangsu province(4650km ²)

2007	Xinjiang Aksu water system improvement planning
2007-2009	Master plan for urban forest construction in Wuxi, Jiangsu province (4500km ²)
2015-2016	Singapore-Nanjing eco-tech island green space system master and detailed plan(15.2km ²)
2016	Haikou international garden city development strategy and immediate action plan
2016-2017	Urban green space system planning and water system planning of Danzhou city, Hainan (2016-2025)
2018	Dongfang city, Hainan province water system landscape environment master plan

Comprehensive park planning and design

1999	Anhui Hefei economic and technological development zone landscape environment master plan(60km ²)
1999	Planning of Nanyan lake ecological park, Hefei economic and technological development zone, Anhui(2km ²)
2000-present	Conceptual and detailed planning, program and construction drawing design of Zhangjiagang Jiyanghu ecological park (US-China cooperation)(4.4km ²) (completed)
2001-2002	Concept plan for the development strategy of Hefei political and cultural new area(10km ²)
2001-2003	Anhui Hefei university town master plan (13km ²) and detailed planning and programming and construction drawing design of Emerald lake, central lake area (1.5km ²) (completed)
2001-2002	Landscape environmental planning and design for the new campus of Jilin university (2km ²)
2002	Landscape design of the central area of the Northwest A&F university (15hm ²)
2002-2003	Landscape environmental planning and design for the new campus of Hunan Changde college of arts and sciences (1km ²) (completed)
2002-2003	Sub-area planning of Changxing economic and technological development zone, Zhejiang province (26.8km ²)
2004-2005	Conceptual plan for the development of Jiangxinzhou, Maanshan city, Anhui province (58km ²)
2004-2005	Landscape environmental planning for industrial park in Kuqa county, Xinjiang(50km ²)
2005	Landscape special planning for Shanghai World Expo 2010 master plan (6km ²) (completed)
2005-2006	Construction detailed plan of Xiamen modern agricultural science and technology park (80hm ²)
2006-2007	Planning of Yangzi lake scenic area (tentative name) in Xuancheng city, Anhui province (10.88km ²)
2008-2009	Nanjing Yi Liu nursery project planning program (106.7hm ²)
2010	Detailed plan of Ningbo airport logistics park (1.43km ²)
2009-2011	Detailed construction plan for sustainable development park in Nanhu new district, Jiaying city and construction drawing design (9.8hm ²)
2012-2013	Lishui Nanming mountain Xiaomuxi block (retirement industry) conceptual plan(1km ²)
2014	New town study plan for the core town of Green park, Changchun city (82km ²)
2014	Planning and planning of Changchun tractor plant factory tourism, culture and creative industrial park(4.5km ²)
2015	Master plan along the eastern Jurong trunk road(93km ²)
2015	Anhui Chuzhou higher education city development concept plan (45km ²)
2016	Conceptual plan for ecological restoration of Lanzhou safari park and the southern part of the new area (270km ²)
2018	Conceptual planning, schematic and construction drawings for King rock design valley (7.26hm ²)
2018	Tongji university Siping road campus landscape enhancement planning and design project for the pre-campus area (30hm ²)

Various urban waterfront planning and design

1995	Landscape planning and design of Jinjiang River waterfront zone in Ga'an city, Jiangxi province (14km long X 200m wide)
1996	Landscape planning and design of Jinjiang river waterfront in Shanggao county, Jiangxi province (9km long X 100m wide)
1999	Riverfront landscape planning and design, Yichun city, Heilongjiang province (6km long X 0.5km wide)

2001	Urban design of the Meishe river waterfront zone in Haikou, Hainan island (6km X 0.5km wide)
2001	Planning and design of Linghu park, Anqing, Anhui (4.5km ² -long)
2002	Jiangsu Huai'an ancient yellow river riverside landscape planning and design(14km X 0.8km wide)
2001-2002	Ecological development and remediation plan for the Shijiazhuang city section of the Hutuo river (10km long)
2002-2003	Liaoning Huludao city coastal belt landscape tourism belt planning and design(17km)
2006-2007	Planning for the riverfront zone of the Huishui river Baisha river in Jingde county, Anhui province (102 hm ²)
2006-2007	Feng county Dasha river ecotourism scenic zone strategic planning (42km ²)
2007-2008	General, conceptual and constructive detailed planning for landscape tourism of water system around the city of Shenyang(40km)
2008	Construction drawing design for waterfront landscape planning and programming of Duolang river in Aksu city, Xinjiang (6km+12km)
2008-2009	Shijiazhuang Hutuo river comprehensive improvement project ecological landscape planning and design (20km)
2008-2009	Landscape tourism planning for the Yellow river Xiaolangdi water conservancy center project (18.15km ²)
2008-2009	Landscape planning and design of Zhangjiagang Chaodongweigang ring river(19.3km)
2009-2010	Landscape planning and design for both sides of Lao return river in Xiaogan city(9.5km)
2009-2010	Detailed construction plan of Wangjiahe scenic zone in Yueyang, Hunan(10km)
2009-2011	Zhangpu Luxi urban waterfront landscape master plan (17km) / riverside area control detailed plan (3km ²)
2010-2011	Weifang Binhai economic and technological development zone tourism resort area Binhai coastline landscape design (24km ²)
2010-2011	Jinan Binhe new district ecological landscape plan (158km ²)
2010-2011	Conceptual planning of Sanmenxia city along the Yellow river landscape belt(60km/103km ²)
2011-2012	Planning and design of landscape project for comprehensive improvement of the upper reaches of Yu river in Weifang city, Shandong province (construction detailed planning) (11 km)
2010-2013	Landscape planning and design of Beichen oasis downstream of Bailang river, Weifang, Shandong province (program and construction drawings) (8 km/5km ²)
2012-2013	Conceptual planning and design of waterfront landscape zone on both sides of Yili river in Yining city district, Xinjiang (26km/61.6km ²)
2012-2013	Rizhao international ocean city Chuanzi river landscape planning and design (program and construction drawing) (11.6km)
2000-present	One way or another, the conceptual plan of Zhangjiagang Jiyanghu ecological park was not a detailed plan or a watery waste design (China-US cooperation) (4.4km ²) (completed)
2012-2013	Wenzhou Sanyang wetland park conceptual planning and design international call for proposals first place (10.67km ²)
2017	Wusong river project (Shanghai section) river landscape conceptual design
2017 Bidding	Shanghai Fengxian "source of Nanqiao" waterfront public space design conceptual program (20hm)
2017-2018	Detailed construction planning and design of Tongren Jinjiang tourism and economic development belt (500hm ²)
2018-2019	Kashgar Tuman river slow-moving landscape zone planning project on both sides of the river
2018-2019	Road and ecological berm construction project for Ili river riverside landscape belt in Kokdara city (13.5hm ²)

Planning and design of urban parks and squares

1993	Design of Chinatown park, Chicago, USA (6hm ²)
1996-97	Shanghai Jing'an temple park renovation design (4hm ²)
1997	Program and construction drawing design for Maoming plaza, Maoming, Guangdong (4hm ²) (completed)
1998	Design of Jishan square, Shaoxing, Zhejiang province (1.6hm ²)
1998	Design of square in front of Xiaoshan city hall, Zhejiang province (6hm ²)
1999	Program and construction drawing design for station square of Hunan Changde railway station (6hm ²)

	(completed)
1999	Planning and design of Jiefang square, Yancheng city, Jiangsu province (2hm ²) (completed)
1999	Shanghai Pudong rainbow plaza design (2hm ²)
2000	Design of ancient city park in Yuncheng, Shanxi (1.5km ²)
2002	Design for renovation of Longchi park, Zhuzhou city, Hunan province (15hm ²)
2002	Planning and design of Ezhou municipal plaza (program and urban design), Hubei(9hm ²) (completed)
2001	Scheme and construction drawing design of plaza at entrance area of convention and exhibition center of Hefei economic and technological development zone(1.5hm ²) (Completed)
2001	Planning and design of Pearl park in Hefei economic and technological development zone (30.48hm ²)
2002	Landscape-tourism-urban planning and design of Hefei promenade area (35hm ²)
2002	Master planning and design of Bird Hill park, Liuzhou city (95.28hm ²) (completed)
2002	Design of plaza in the center area of NWFU (6 hm ²) (completed)
2003-2004	Design of Gaoshangtang square, Wanzhou district, Chongqing (program and extended construction drawings) (2 hm ²) (completed)
2004	Renovation design (program) for People's square, Urumqi, Xinjiang (2 hm ²)
2005	Design of Jian'an park square, Xuchang city, Henan province (program and construction drawings)(10hm ²) (completed)
2006	Conceptual plan for Daitongguanshan park, Tongling city, Anhui province (59km ²)
2006	Conceptual planning and design of Guanshan park, Jinyang new district, Guiyang city (8km ² /33hm ²)
2007	Design of Shuangyue lake park and protected terrace arboretum in Linyi, Shandong province (80 hm ²)
2007-2008	Planning and design of station square of Henan Xinzheng international airport (program and construction drawings)(57 hm ²) (completed)
2008-2009	Design of persuasive workers' square, Tiexi district, Shenyang (2.74hm ²)
2007	Landscape planning for administrative center of Hedong district, Linyi city, Shandong province (15 hm ²)
2009-2010	Schematic design (scheme and construction drawings) for the renovation of the south entrance of Yushan lake park, Maanshan city (3700m ²) (completed)
2009	Yunnan Yuxi Nie Er cultural square landscape conceptual planning and design(2km ²)
2005/2011	Program and construction drawing design for Lotus plaza, central district, Taihu county, Anhui province (13.7hm ²)
2013-2014	Planning and programming of the first phase of the site ontology protection and display project of the Hunan Lier ancient city national archaeological park (20hm ²)
2014-2015	Conceptual planning and design of Xiuhu wetland park in Qipanshan scenic area, Shenyang (8.69km ²)
2016	Detailed construction plan of medicinal plant theme park at Baichong reservoir, Qujing (25.3hm ²)
2019	Architectural plan for the Citizen Service Center in Quanyang township and landscape plan for a cultural theme park

Road landscape planning and design

1996-1997	Landscape planning and design of five horizontal and three vertical urban main streets in Shaoxing, Zhejiang (23Km)
1999	Road landscape planning and design for the main entrance section of Suzhou-Singapore industrial park (3.4km*80m) (completed)
2000-2001	Landscape design of Zunyi road welcome boulevard, Guizhou (2km*60m)
2000	Planning and design of road landscape system in Lujiazui central district, Shanghai (12 roads)
2001	Landscape planning and design of Yongshanda road in Jiading municipal industrial zone (4km*100m)
2003	Road landscape planning and design for the extension of Shanghai south highway (Nanlu highway), Shanghai (26.6Km)
2003	Changshu Yushan north road landscape planning and design (6Km)
2003-2004	Detailed planning and landscape and urban design along the riverside road on the north bank of Yangtze river in Wanzhou, Chongqing (14Km long X 300m wide) (Completed)
2003-2004	Landscape planning and design of urban roads in Kuqa, Xinjiang (22Km) 2003.11-2004.6

2004-2005	Landscape planning and design for Yuzhan (Guangdong section) expressway (68.9 Km)
2008-2009	Landscape planning and design for Pengze-Hukou expressway, Jiangxi province (52 Km) (Completed)
2009-2010	Landscape planning and design for Guangzhou-Lechang expressway project (350 Km) (completed)
2014-2015	Wuhan East lake ring road landscape planning and design (14 Km)
2016	Conceptual planning of greening and landscaping for three major landscape avenues and gateway nodes of Dongqian lake, Ningbo, Zhejiang province (3 X 10km ²)
2015-2017	Planning, design and construction drawings for the "Sino-Arab axis" cultural landscape in Yinchuan city, Ningxia (4.6km x 90m)
2018- 2019	Landscape design of Qingdao west railway station transportation and business district advance start-up area (77.3hm ²)
2019	Yiwu city six entrances landscape enhancement planning and design (30hm ²)

City center planning and urban design

1997	Detailed planning and urban design of Shanghai Longhua tourism zone (36hm ²)
2000	Urban design for Changde new district, Hunan (36hm ²)
2002	Master plan and urban design of Jiangwan town, Jiangxi overdrive (2km ²)
2003-2004	Urban design for the center of Xuchang new district, Henan province (36hm ²)
2003-2004	Planning and urban design of Fenghuang town, Zhangjiagang (80km ² /6km ² /2.2km ²)
2004-2005	Zhejiang Huzhou city center pedestrian street area planning and design (18hm ²)
2005-2006	Anhui Taihu county new district center control plan and urban design (4km ² control plan, 30 ha construction detail plan)
2010-2011	Conceptual plan for Pengshan terrace, Chengnan district, Shengzhou city, Shaoxing (27.27km ²)
2010	Landscape ecological planning - urban design for the land north of Guanquan road, Dadong sub-district, Shenyang (8km ²)
2014	Landscape planning and design for the advance area of Shanghai Jinqiao Lingang comprehensive zone (6.78km ²)
2016 Winning Bids	Winning bids Conceptual planning and design of whole area scenicization in Dongtou district, Wenzhou city (2862km ²)
2017	Tai'an tourism economic development zone concept plan (26km ²)
2018-2019	Foshan Sanlong bay high-end innovation cluster start-up area urban design international competition

Residential landscape environment planning and design

1997	Landscape greening design for Jiasheng garden, Suzhou, Jiangsu (10hm ²)
1998	Shanghai Wanli neighborhood landscape environment greening plan (28hm ²)
1997-1998	Landscape environmental design for Gushanyuan neighborhood, Fuzhou, Fujian(14hm ²)
1998	Detailed plan of Jin Ye neighborhood (Phase I), Bengbu, Anhui (4hm ²)
2002-2003	Landscape master planning for Quan Gang new town (Phoenix city)(1061hm ²)
2003	Shanghai Gubei group Golden city road landscape environmental design program design (6hm ²)
2003	Huludao coastal vacation villa area control plan and construction detailed plan(30hm ²)
2005-2006	Landscape planning and design (program and construction drawing design) for Jiayi villa area, Jiading district, Shanghai (20hm ²)
2008-2009	Landscape planning and design of Kunshan Ziyi villa area (program design) (13hm ²)
2017-2019	Zunyi Santillana II project landscape program to construction drawing design (2hm ²)

Academic institutions and social positions

2015 - Present: The First Convener of Landscape Architecture Discipline Review Group of the Seventh and Eighth State Council Academic Degrees Committee

2024 - Present: Member of the 4th National Steering Committee for Postgraduate Education in Landscape Architecture

2020 - Present: Vice Chairman of the 1st and 2nd Landscape Recreation Committee of the China Society of Landscape Architecture

1994 - Present: Honorary member of the American Society of Landscape Architects (one of more than 50 honorary members from all over the world)

2013 - 2022: Vice Chairman of the Historical Theory Committee of the Chinese Society of Landscape Architecture

2008 - 2020: Vice Chairman of Shanghai Society of Landscape Architecture

Associate Editor and Member of the Editorial Board, "Chinese Landscape Architecture" Journal

Associate Editor, "Journal of Chinese Urban Forestry" Journal

Member of the Editorial Board, "Urban Planning Forum"

Member of the Editorial Board, "Planners" Journal

Member of the Editorial Board, "Landscape Architecture" Journal

Member of the Editorial Board, "Landscape Architecture Academic Journal" Journal

Member of the Editorial Board, "Landscape Design Magazine" Journal

Member of the Editorial Board, "Frontiers of Architectural Research"