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2 References

- [1] Zhang, J., Liu, J., Wan, Z., & Lu, J. (2018). Channel Morphology Evolution and Corresponding Coping Strategy in the Lower Yellow River "Study on Ecological Reconstruction and Management of the Floodplains in the Lower Yellow River" (I). Yellow River, 40(7), 1-6, 37.
- [2] Zuo, Q. (2020). Critical problems and construction of synergy governance system in the beach area of the lower Yellow River. Science and Technology Review, 38(17), 23-32. doi:10.3981/j.issn.1000-7857.2020.17.002.
- [3] Tian, Y., Sun, Y., Li, Y., & Ma, J. (2019). Study on the Management Strategy of the Floodplain of the Lower Yellow River. Yellow River, 41(3), 16-20, 35. doi:10.3969/j.issn.1000-1379.2019.03.004.
- [4] Xu, X., Tan, L., & Li, Y. (2020). Thoughts and Suggestions on Land Use Control in Beach Areas of the Lower Yellow River. Online publication. Consulting Research Center of Ministry of Natural Resources.
- [5] Xia, J., Li, J., & Zhang, S. (2016). Channel Adjustments in the Lower Yellow River After the Operation of Xiaolangdi Reservoir. Yellow River, 38(10), 49-55. doi:10.3969/j.issn.1000-1379.2016.10.010
- [6] Tian, Y., Qu, B., Li, Y., & Gu, Z. (2019). Research and Perspective on Floodplain Treatment in the Lower Yellow River. Yellow River, 41(2), 14-19. doi:10.3969/i.issn.1000-1379.2019.02.004
- [7] Pei, Z. (2014). Analysis of Land Ecological Utilization Regionalization Construction in Beach Area of Lower Yellow River. China (International) Water Summit Forum—2014 River and Lake Health and Ecological Civilization Construction Conference Papers (pp. 222-227). Hu'nan, China.
- [8] Zhang, M., Zhang, Y., Zhu, W., Liao, C. & Zhao, S. (2010). Wetland Restoration Models in Zhengzhou Yellow River Nature Reserve, Henan Province. Wetland Science, 8(1), 67-73.
- [9] Wu, S., Wang, H., Li, Q., & Wang, P. (2021). Study on landscape plant design and ecological restoration in floodplain area of the Lower Yellow River—A case study of floodplain area of Yellow River in Changyuan City, Henan Province. Jiangsu Agricultural Sciences, 49(8), 141-148, 157. doi:10.15889/j.issn.1002-1302.2021.08.025
- [10] Zhang, J., Liu J., Li, C., & Cui, Z. (2018). Management of Floodplain and Ecological Reconstruction Modes Development in the Lower Yellow River "Study on Ecological Reconstruction and Management of the Floodplains in the Lower Yellow River" (IV). Yellow River, 40(10), 1-5, 24.
- [11] Liu, S., He, Y., Cui, M., Zhang, J., Wan, Z., Cui, C., ... Wang, J. (2013). Research on the key technology of comprehensive management of beach area in the lower Yellow River. Retrieved fromhttps://d.wanfangdata.com.cn/cstad/ChFDc3RhZE5ld1MyMDlxMDgwMhIKMTQwMDQ 3MA0ORolamJjaDZwbDE%3D
- [12] Zhengzhou Huiji District Flood Control Command. (2019). Flood Control Plan of Yellow River in Huiji District.
- [13] Yan, C., Yuan, G., Li, Z., Liu, X., & Ye, Y. (2020). Analysis of Morphological Change of the Yellow River in Zhengzhou Section Based on RS. Yellow River, 42(1), 21-26.

- doi:10.3969/j.issn.1000-1379.2020.01.005
- [14] Guo, H., He, X., & Shi, S. (2012). Siltation and Erosion in Zhengzhou Section of the Yellow River Channel and Its Influencing Factors. Yellow River, 34(3), 4-5. doi:10.3969/i.issn.1000-1379.2012.03.002
- [15] Yao, X., Wang, X., Hu, Y., Chen, Y., He, P., & Tian, G. (2021). Study on diversity of herbaceous plants along the Yellow River Wetland in Zhengzhou City. Jiangsu Agricultural Sciences, 49(1), 186-191. doi:10.15889/j.issn.1002-1302.2021.01.034
- [16] Song, X., Wang, C., Peng, Z., & Yang, H. (2007). Study on Integrated Development by Taking Forestry as the Main of Floodplain Area of the Lower Yellow River. Yellow River, 29(12), 12, 14. doi:10.3969/j.issn.1000-1379.2007.12.006
- [17] Daily, G. C., Ouyang, Z., Zheng, H., Li, S., Wang, Y., Feldman, M., ... Ruckelshaus, M. (2013). Securing Natural Capital and Human Well-Being: Innovation and Impact in China. Acta Ecologica Sinica, 33(3), 669-685. doi:10.5846/stxb201212311905
- [18] Yu, K. (2020). Designing and Building a Beautiful City with the Vision of Ecological Civilization. Renming Luntan Xueshu Qianyan, (4), 18-36. doi:10.16619/j.cnki.rmltxsqy.2020.04.003
- [19] He, X., Zheng, D., Guo H., & Ma, G. (2014). The Vegetation Species Diversity and Its Response to the Human Activities in Zhengzhou Yellow River Wetland Reserve. Wetland Science, 12(4), 459-463. doi:10.13248/j.cnki.wetlandsci.2014.04.008
- [20] Yu, K. (2019). Large scale ecological restoration: empowering the nature-based solutions inspired by ancient wisdom of farming. Acta Ecologica Sinica, 39(23), 8733-8745. doi:10.5846/stxb201905311146
- [21] Li Xue. (2017). Exploration of National Wetland Park Design Based on Sustainable Development (Master's thesis, Henan Agricultural University). https://kns.cnki.net/KCMS/detail/detail.aspx?dbname=CMFD201801&filename=101728239 9.nh

3 Website

INT-01:Baidu Baike
Available:https://baike.baidu.com/

INT-02:360 Baike Available:https://baike.so.com/

INT-03:Gooood design network Available:https://www.gooood.cn/

INT-04:www.cnki.net
Available:https://www.cnki.net/index/

INT-05:Baidu map
Available:https://map.baidu.com/

 $INT-06: topographic-map.com\\ Available: https://zh-cn.topographic-map.com/map-72ltt6/%E4%B8%AD%E5%9B%BD/?center=34.\\ 83184\%2C113.21411\&zoom=6$

4 Form

categorisation	serial number	Latin name	Plant characteristics
Deciduous trees	1	Platanus acerifolia	Light-loving, like warmth and humidity, more cold-tolerant, resistant to air pollution, line planting
	2	Diospyros kaki Thunb.	like warm weather, cold-resistant, barren, drought-resistant.Choos hillside land with gentle terrain, as long as the soil is deep. The size of the plantation should be 10-50 acres.
	3	Acer mono Maxim	Slightly shade-tolerant, deep-rooted, prefers moist, fertile soil
	4	Acer truncatum Bunge	Weakly sunny, tolerant of semi-shade, cold, relatively wind- resistant, intolerant of dry heat
	5	Taxodium distichum (L.)Rich.	Light-loving, adaptable, tolerant of low temperatures, water and humidity
	6	Salix babylonica	Light-loving, cold-tolerant, moisture-tolerant, strong sprouting power
	7	Albizia julibrissin Durazz	Light-loving, tolerant of dryness and barrenness, intolerant of waterlogging, fast-growing
	8	Koelreuteria paniculata Laxm	Light-loving, slightly tolerant of semi-shade, cold-tolerant
	9	Sophora japonica Linn	Light-loving, slightly shade-tolerant, cold-tolerant, deep and well developed roots
	10	Ailanthus altissima 'Qiantou'	Resistant to drought, flooding, cold, pests and diseases, highly adaptable
	11	Catalpabungei C.A.Mey	Light-loving, hardy, avoid waterlogging
	12	Rhus Typhina Nutt	Light-loving, adaptable, tolerant of drought and barrenness, tolerant of water and humidity
	13	Ginkgo biloba L.	drought tolerant, does not tolerate waterlogging
	14	Cotinus coggvgria Scop	Light-loving, also tolerates semi-shade; cold-tolerant, does not tolerate water and humidity
	15	Fraxinus chinensis Roxb.	Light-loving species, not cold hardy
	16	Metasequoia glyptostroboides Hu et Cheng	Prefers warm and humid climate, does not tolerate barrenness an drought
Evergreen trees	1	Cedus deodara[Roxb.]G.Don	Prefer sunny environments, slightly shade-tolerant, adaptable
	2	Magnolia grandiflora Linn	Light-loving, prefer warm and humid climate, slightly cold-resistant
	3	Ligustrum compactum Ait(Wall.ex G.Don)Hook.f.	Adaptable, light-loving, strong germination all over
	4	Pinus tabulaeformis Carr.	Positive species, shallow-rooted, light-loving, barren-resistant
	5	Podocarpus macrophyllus (Thunb.)D.Don	Prefers warm and humid climate, weak cold tolerance, strong shade tolerance
	6	Juniperus chinensis 'Kaizuka'	Sun-loving, slightly shade-tolerant, prefers warm, humid environments
	7	Eriobotrya japonica (Thunb.)Lindl.	Light-loving, slightly shade-tolerant, not cold-tolerant, slow- growing

	1	Magnolia soulangeana SoulBod.	Prefers sunny, warm and humid climate
Deciduous flowering shrubs	2	Prunus yedoensis Matsum.	Prefer full sunlight, intolerant of shade and humidity, avoid waterlogging, cold tolerance
	3	Crataegus wilsonii Sarg.	Prefer cool and humid environment, cold-tolerant, heat- tolerant, adaptable
	4	Lonicera maackii (Rupr.)Maxim.	Light-loving, slightly drought-tolerant, grows well in slight damp and dry environments
	5	Forsythiasuspensa	Light-loving, slightly shade-tolerant, tolerant of drought ar
			barrenness, afraid of waterlogging
	7	Amygdalus persica var:persica f.duplex Chimonanthus praecox (Linn.)Link	Prefers warmer climates, good cold tolerance Sun-loving, tolerant of shade, cold and drought, avoid
	8	Malus Halliana Koehne	waterlogging Sun-loving, shade-intolerant, cold-intolerant, prefer warm
	9	Prunus mume	and humid environment Prefers warmer climates, more tolerant of drought, less
	10	Syringa oblata Lindl.	tolerant of flooding, long-lived Prefer warm, humid, slightly cold hardy, more drought
	11	Prunus triloba	tolerant Light-loving, slightly shade-tolerant, cold-tolerant, strong
			disease resistance, well-developed root system Prefers warm and humid climate, resistant to pruning, ver
	12	Hibiscus syriacus Linn.	adaptable Prefer warm and sunny environment, drought-resistant,
	13	Punica granatum L.	cold-resistant Warm and humid climate, light-loving, slightly shade-
	15	Cornus alba Kerria japonica.	tolerant, fertiliser-loving Prefers warm, humid and semi-shady environments, poo cold tolerance
			cold tolerance
	1	Berberis thunbergii var:atropurpurea Chenault	Prefer cool and humid environment, adaptable, resistant to pruni
	2	Ligustrum vicaryi	Light-loving, slightly shade-tolerant, cold-tolerant, disease-resista
	3	Ligustrum vicaryi	Prefer warm and humid environment, shade tolerant, cold tolera easy to maintain
	4	Buxus megistophylla Levl.	Light-loving, slightly shade-tolerant, fast-growing, adaptable
Vineyard hedge	5	Yucca gloriosaL.	Prefer warm and humid environments, tolerate barrenness, colo hardy
	6	cv.Aurea Nana	Prefer warm sunshine, do not tolerate high temperature, slightly cold-resistant
	7	Euonymus fortunei var:radicans	Warm-temperate tree species, hardy, preferring shady and hum environments
	8	Phyllostachys glauca McClure	Tolerant to cold, drought and barrenness
	9	Lespedeza bicolor Turcz	Drought-resistant, tolerant to barrenness, well adapted to the so
	10	Rosa banksiae W.T.Aiton	Prefer warm and humid environment, not cold hardy, tolerate barren
	1	Phragmites australis (Cav.)Trin.ex Steud	Water purification and resistance
	2	Typha angustifolia	Aquatic plants, water purification
	3	Tipha orientalis Presl	Water-supporting plants, good landscape effect
Aquatic plant	4	Lythrum salicariaL.	Water-holding plants for good landscaping
	5	Schoenoplectus tabernaemontanni.	Water-supporting plants with upright green stalks
	6	Nymphaea alba L.	Leaves floating on water, good landscape effect

5 Poster









