

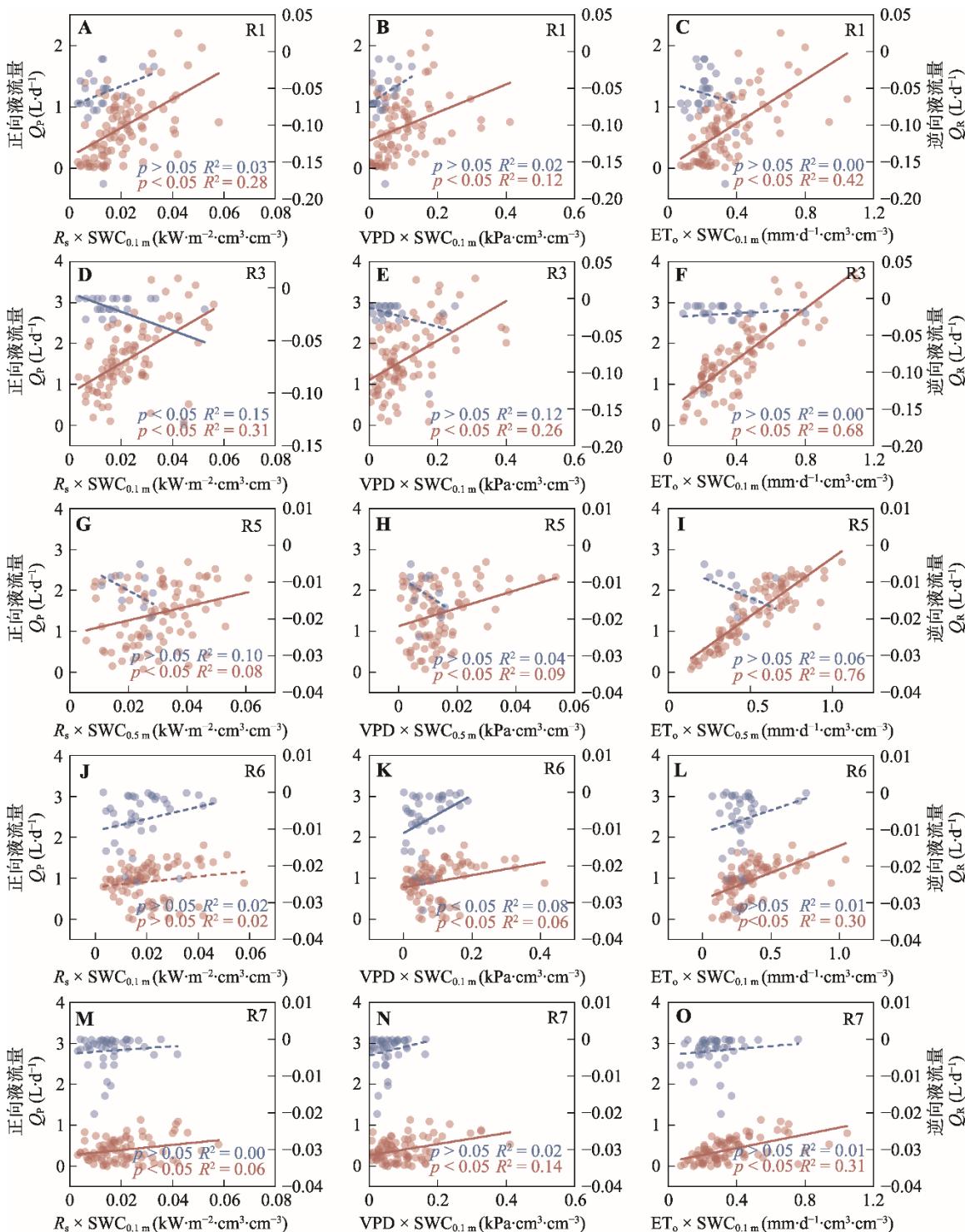
刘洋, 马煦, 邸楠, 曾子航, 付海曼, 李新, 席本野 (2023). 毛白杨根系液流与水力再分配特征. 植物生态学报, 47, 123-133. DOI: 10.17521/cjpe.2021.0492

Liu Y, Ma X, Di N, Zeng ZH, Fu HM, Li X, Xi BY (2023). Root sap flow and hydraulic redistribution of *Populus tomentosa*. Chinese Journal of Plant Ecology, 47, 123-133. DOI: 10.17521/cjpe.2021.0492

<https://www.plant-ecology.com/CN/10.17521/cjpe.2021.0492>

附录 毛白杨根系液流对环境因子的响应

Supplement Response of root sap flow to meteorological factors of *Populus tomentosa*



R1、R3、R5–R7, 侧根。 ET_o , 潜在蒸散量; Q , 液流量; R_s , 太阳辐射; $SWC_{0.1\text{ m}}$, 0.1 m土壤含水率; $SWC_{0.3\text{ m}}$, 0.3 m土壤含水率; VPD, 水汽压亏缺。红圆代表正向液流量(Q_P), 蓝圆代表逆向液流量(Q_R); 实线代表液流量与因子之间显著相关($p < 0.05$), 虚线代表液流量与因子之间不相关($p > 0.05$)。

R1, R3, R5–R7, lateral root. ET_o , reference crop evapotranspiration; Q , sap flow; R_s , solar radiation; $SWC_{0.1\text{ m}}$, soil water content at 0.1 m depth; $SWC_{0.3\text{ m}}$, soil water content at 0.3 m depth; VPD, vapor pressure deficit. Red circles represent forward sap flow (Q_P), and blue circles represent reverse sap flow (Q_R). The solid line represents the significant correlation between Q and factors ($p < 0.05$), and the dashed line represents the irrelevance between Q and factors ($p > 0.05$).