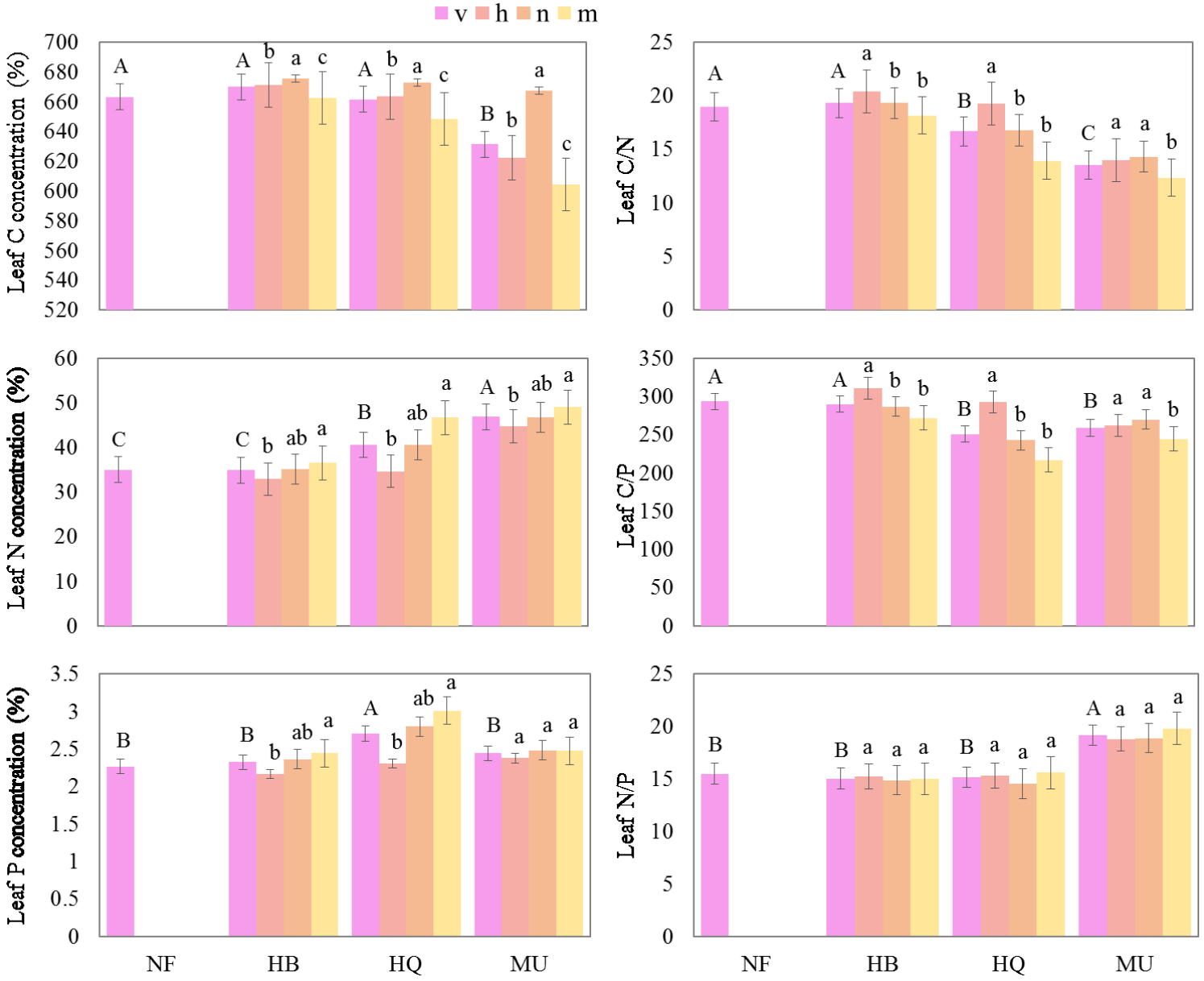

FIGURE 1 Differences in leaf C, N and P stoichiometric characteristics across the growth stage between natural forest and plantations. Error bars are the standard error (n=3). "h" for the half-mature forest, "n" for the near-mature forest, "m" for the mature forest, "v" for the mean value of h, n, and m. Different capital letters indicate significant differences in mean values among study areas, different litter letters indicate significant differences among stand ages.

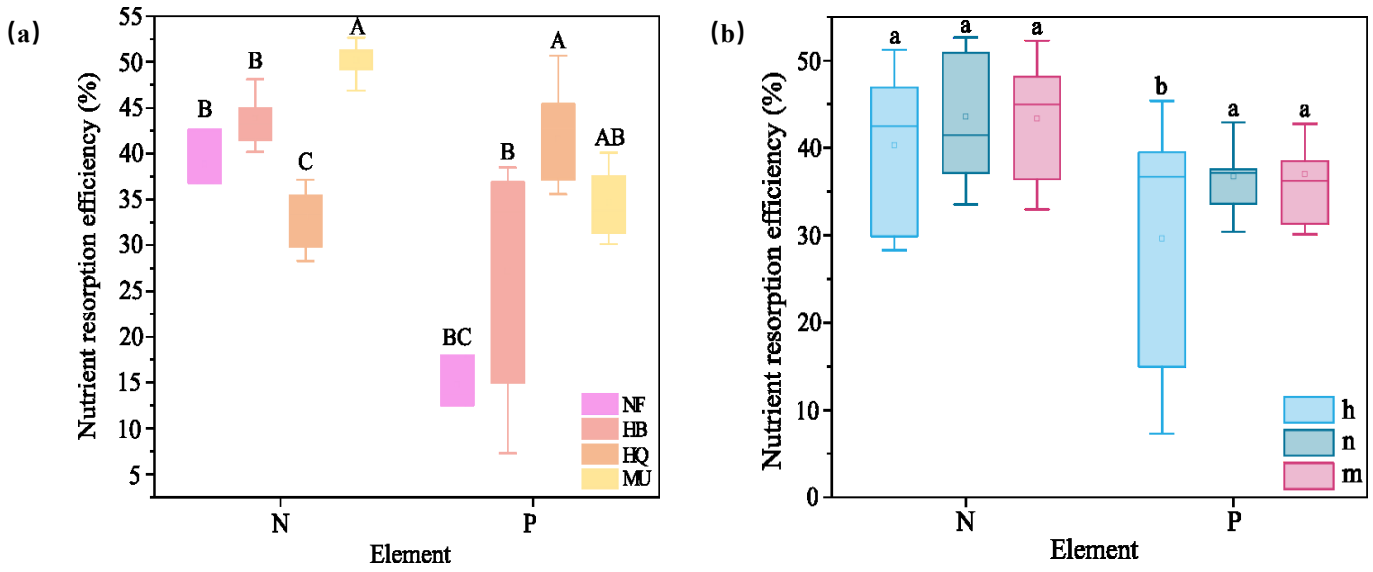

FIGURE 2 N and P resorption efficiencies of Mongolian pine in different stand origin (a) and stand age (b). Different capital letters indicate significant differences among study areas, different litter letters indicate significant differences among stand ages.

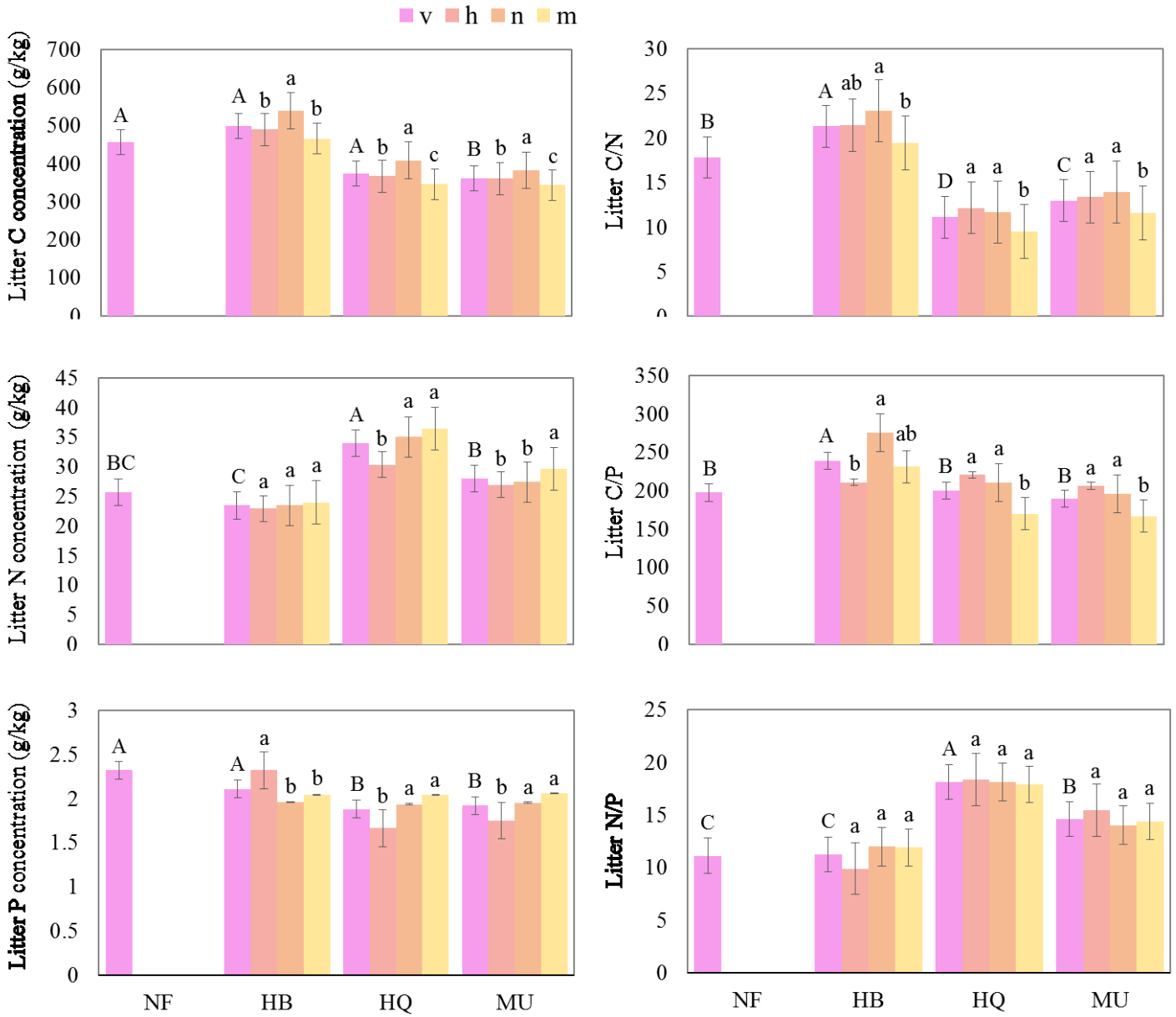

FIGURE 3 Differences in litter C, N and P stoichiometric characteristics across the growth stage between natural forest and plantations. Error bars are the standard error (n=3). "h" for the half-mature forest, "n" for the near-mature forest, "m" for the mature forest, "v" for the mean value of h, n, and m. Different capital letters indicate significant differences in mean values among study areas, different litter letters indicate significant differences among stand ages.

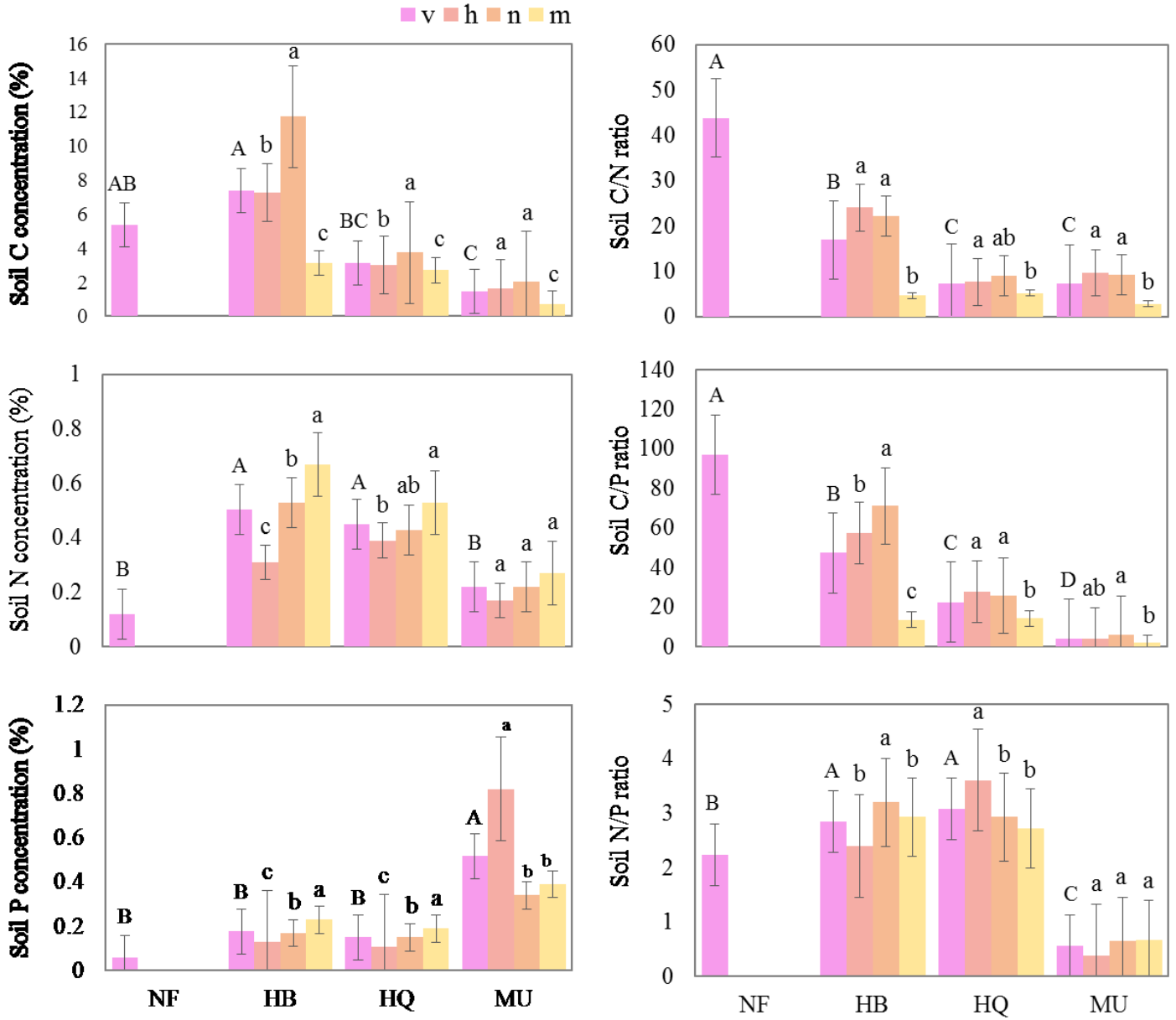

FIGURE 4 Differences in soil C, N and P stoichiometric characteristics across the growth stage between natural forest and plantations. Error bars are the standard error (n=3). "h" for the half-mature forest, "n" for the near-mature forest, "m" for the mature forest, "v" for the mean value of h, n, and m. Different capital letters indicate significant differences in mean values among study areas, different litter letters indicate significant differences among stand ages.

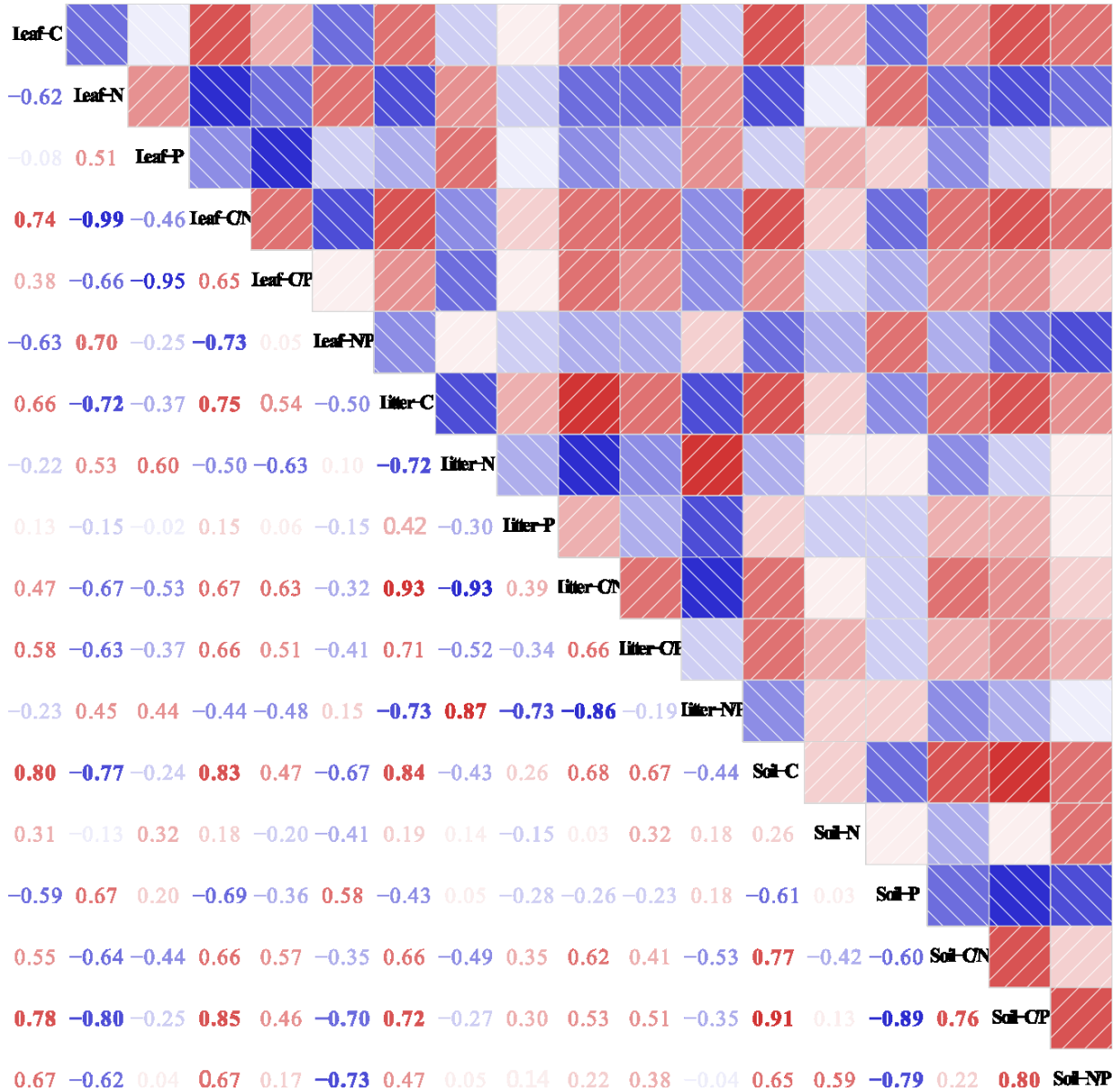

FIGURE 5 Relationship between C-N-P stoichiometric characteristics among leaf-litter-soil system. Red indicates positive correlations, blue indicates negative correlations. The numbers in the graph are correlation coefficients.

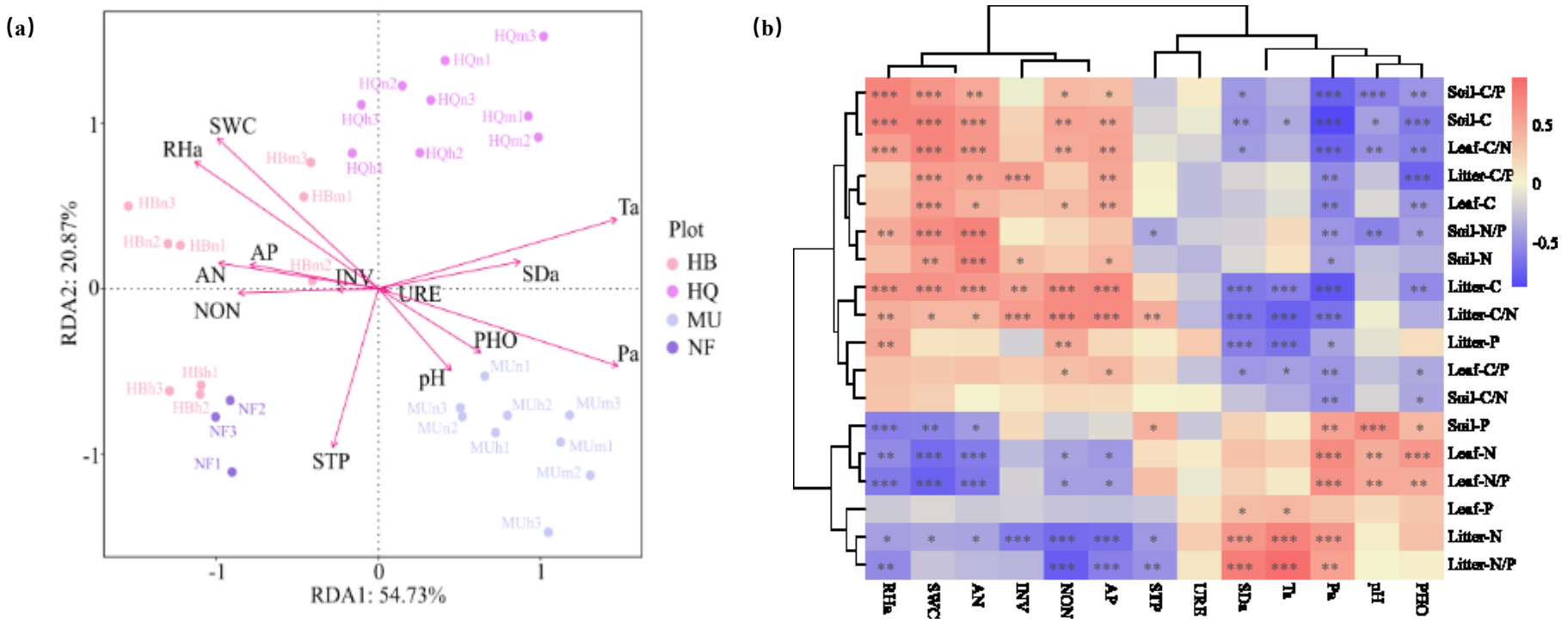

FIGURE 6 Relationship between C-N-P stoichiometric characteristics and environmental factors, including RDA analysis (a) and correlation analysis (b). The arrow direction and length indicate correlation to C-N-P stoichiometry and effect size of the variables, and asterisks and double asterisks indicate $P < 0.05$ and $P < 0.01$, respectively.