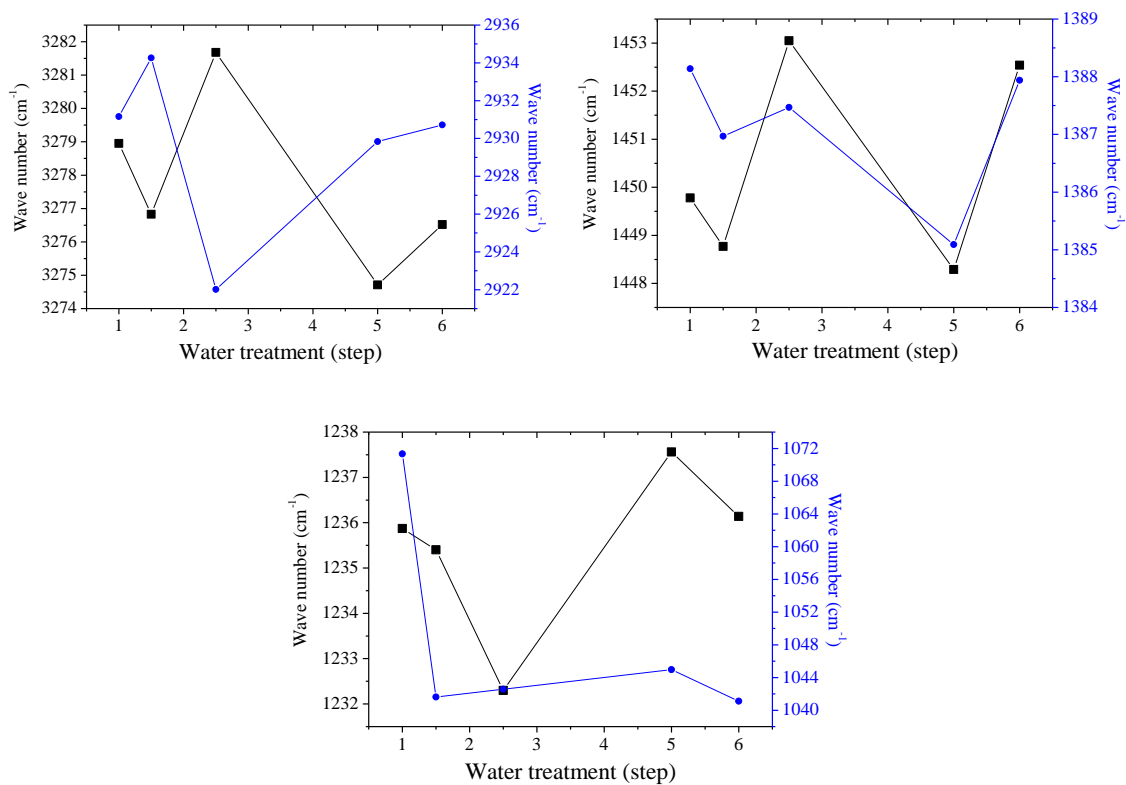


Influences of water, sodium bisulfite and lithium bromide solutions on tensile behaviors of camel guard hairs



Scheme-1 Characteristic IR peaks of camel hair fiber along water-induced shape memory program steps

Table-4 Summary of IR characteristic peaks of camel hair fiber treated by LiBr and NaHSO₃ solutions along with shape memory program steps

Treatment on hair	Step	FT-IR wave number (cm ⁻¹)					
LiBr (1.2 M, 1day)	1	3279	2931	1450	1388	1236	1071
	1.5	3277	2964	1450	1402	1239	1044
	2.5	3286	2960	1453	1414	1237	1034

	5	3286	2965	1445	1397	1239	1036	
	6	3285	2930	1443	1387	1235	1035	
	1	3279	2931	1450	1388	1236	1071	927
NaHSO ₃ (1.2 M, 1day)	1.5	3286	2965	1444	1197	1086	1024	956
	2.5	3286	2962	1446	1195	1106	1023	961
	5	3285	2963	1444	1196	1113	1024	961
	6	3291	2928	1453	1195	1109	1022	931