

Supplementary Table S1 Linear regression parameters of inorganic chemical characteristics of decaying leaf litter and feeding indicators of *Pomacea canaliculata*

Indicator (y=) (g g ⁻¹ d ⁻¹)	C/N ratio	Calcium (%)	Carbon (g kg ⁻¹)	Nitrogen (g kg ⁻¹)	Phosphate (g kg ⁻¹)
WDR	-0.0001*x+0.0049 R ² =0.1566 P=0.0842	0.0003*x+0.0025 R ² =0.0120 P=0.6462	-0.00001*x+0.0092 R ² =0.0806 P=0.2251	0.0002*x-0.00005 R²= 0.2357 P=0.0300	0.0061*x-0.0023 R²=0.4692 P=0.0009
WDRN	-0.0002*x+0.0206 R ² =0.0659 P=0.2748	0.0032*x+0.0115 R ² =0.0757 P=0.2405	-0.00001*x+0.0191 R ² =0.0019 P=0.855	0.0005*x+0.0063 R ² =0.1189 P=0.1366	0.0207*x-0.0023 R²=0.2961 P=0.0131

Note: x -the values of characteristics of decaying leaf litter; y-the values of indicators; The significant value (P<0.05 or 0.01) is in bold font.

Ei- Ivlev's electivity indicator; WDR- weight-specific daily feeding rate in the multiple-choice condition; WDRN- weight-specific daily feeding rate in the no-choice condition.

Supplementary Table S2 Linear regression parameters of organic chemical characteristics of decaying leaf litter and feeding

indicators of *Pomacea canaliculata*

Indicator (y=) (g g ⁻¹ d ⁻¹)	Ash (g kg ⁻¹)	Fiber (g kg ⁻¹)	Flavonoid (g kg ⁻¹)	Lignin (g kg ⁻¹)	Phenolic (g kg ⁻¹)	Protein (g kg ⁻¹)	Tannin (g kg ⁻¹)
WDR	0.0001*x-0.0016 R²=0.2815 P=0.0161	0.00001*x+0.0049 R ² =0.0285 P=0.4771	-0.0002*x+0.0044 R²=0.486 P=0.0006	-0.00001*x+0.0082 R²=0.4833 P=0.0007	-0.00003*x+0.005 R²=0.3048 P=0.0116	0.00003*x-0.00005 R²=0.2357 P=0.0300	-0.00003*x+0.0044 R²=0.3669 P=0.0046
WDRN	0.0003*x-0.0078 R²=0.4145 P=0.0022	-0.00004*x+0.0243 R ² =0.031 P=0.4573	-0.0011*x+0.0223 R²=0.5707 P=0.0001	-0.00003*x+0.0324 R²=0.278 P=0.0169	-0.0001*x+0.0222 R ² =0.1809 P=0.0615	-0.0001*x+0.0063 R ² =0.1189 P=0.1366	-0.0001*x+0.0203 R²=0.2249 P=0.0346

Note: x -the values of chemical characteristics of decaying leaf litter; y-the values of indicators; The significant value (P < 0.05 or 0.01) is in bold font.
 Ei- Ivlev's electivity indicator; WDR- weight-specific daily feeding rate in the multiple-choice condition; WDRN- weight-specific daily feeding rate in the no-choice condition.