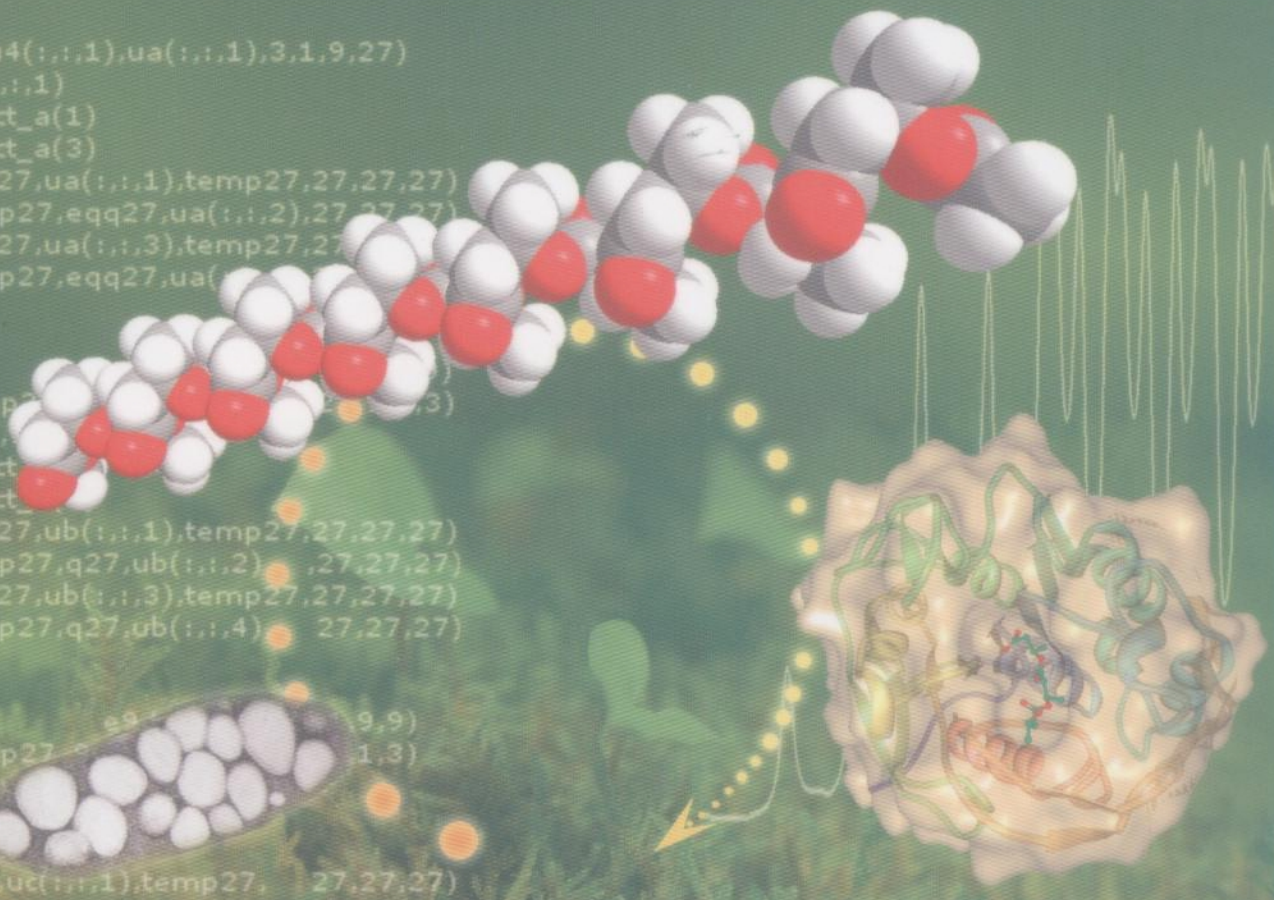


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```
Ua:  
call DirPro(c3,u4(:,1),ua(:,1),3,1,9,27)  
ua(:,3)=ua(:,1)  
call conf_restrict_a(1)  
call conf_restrict_a(3)  
call proda(qeq27,ua(:,1),temp27,27,27,27)  
call proda(temp27,eqq27,ua(:,2),27,27,27)  
call proda(qeq27,ua(:,3),temp27,27,27,27)  
call proda(temp27,eqq27,ua(:,4),27,27,27)  
  
Ub:  
call DirPro(c2,ub(:,1),ub(:,2),ub(:,3))  
ub(:,3)=ub(:,1)  
call conf_restrict_a(1)  
call conf_restrict_a(3)  
call proda(eqq27,ub(:,1),temp27,27,27,27)  
call proda(temp27,q27,ub(:,2),27,27,27)  
call proda(eqq27,ub(:,3),temp27,27,27,27)  
call proda(temp27,q27,ub(:,4),27,27,27)  
  
Uc:  
call DirPro(c3,uc(:,1),uc(:,2),uc(:,3))  
uc(:,3)=uc(:,1)  
call conf_restrict_a(1)  
call conf_restrict_a(3)  
call proda(q27,uc(:,1),temp27,27,27,27)
```



Reviewing the synthesis and unusual properties of cyclic polymers

Ionic conduction in clay-containing composite polymer electrolytes

Improving the thermal stability of poly(vinyl chloride)


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Ab initio statistical mechanics and NMR experiments have been applied to a biosynthetic and biodegradable polymer, poly(*R*)-3-hydroxybutyrate, to elucidate its solution properties, crystal structure and interactions with a depolymerase in terms of its conformational characteristics.

Yuji Sasanuma and Shiori Katsumata,

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