Journal of Physics

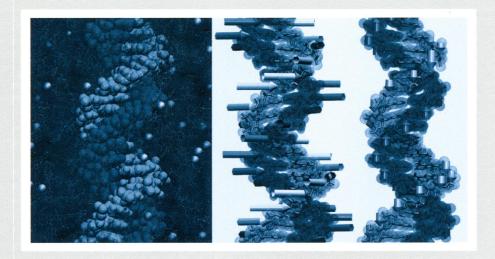
Condensed Matter

Volume 26 Number 41 15 October 2014

Topical review

Close encounters with DNA

C Maffeo, J Yoo, J Comer, D B Wells, B Luan and A Aksimentiev



iopscience.org/jpcm

Journal of Physics

Condensed Matter

Volume 26 Number 41 15 October 2014

413101	LIQUIDS, SOFT MATTER AND BIOLOGICAL PHYSICS TOPICAL REVIEW Close encounters with DNA C Maffeo, J Yoo, J Comer, D B Wells, B Luan and A Aksimentiev
	LIQUIDS, SOFT MATTER AND BIOLOGICAL PHYSICS PAPER
415101	Langevin dynamics simulation on the translocation of polymer through $\alpha\text{-hemolysin}$ pore Li-Zhen Sun and Meng-Bo Luo
	PAPERS
	SOLID STRUCTURE AND LATTICE DYNAMICS
415401	Electron–soliton dynamics in chains with cubic nonlinearity M O Sales and F A B F de Moura
	ELECTRONIC STRUCTURE
415501	Crystallization characteristics and chemical bonding properties of nickel carbide thin film nanocomposites Andrej Furlan, Jun Lu, Lars Hultman, Ulf Jansson and Martin Magnuson
	CORRELATED ELECTRONS
415601	Kondo resonance from p-wave hybridization in graphene S A Jafari and T Tohyama
	MAGNETISM AND MAGNETIC MATERIALS
416001	Ground-state properties of rare-earth metals: an evaluation of density-functional theory Per Söderlind, P E A Turchi, A Landa and V Lordi
416002	Electronic structure and magnetic properties of $Mn_{1-x}Cr_xSb$ alloys G Kuhn, M Thubauville, S Polesya, S Mankovsky, D Benea, M Regus, W Bensch and H Ebert
416003	Spin-glass behavior in a giant unit cell compound Tb ₁₁₇ Fe ₅₂ Ge _{113.8(1)}

J Liu, W Xie, K A Gschneidner Jr, G J Miller and V K Pecharsky