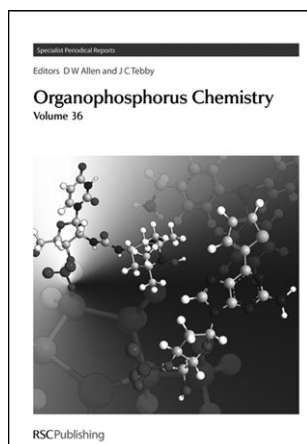


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Cover

A selection of organo-phosphorus molecules, image reproduced by permission of Dr David Loakes.

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Abbreviations

BAD	Benzamide adenine dinucleotide
cDPG	Cyclodiphospho D-glycerate
CE	Capillary electrophoresis
CK	Creatine kinase
CPE	Controlled potential electrolysis
Cpmp	1-(2-chlorophenyl)-4-methoxypiperidin-2-yl
CV	Cyclic voltammetry
DETPA	Di(2-ethylhexyl)thiophosphoric acid
DMAD	Dimethylacetylene dicarboxylate
DMF	Dimethylformamide
DMPC	Dimyristoylphosphatidylcholine
DRAMA	Dipolar restoration at the magic angle
DSC	Differential scanning calorimetry
DTA	Differential thermal analysis
ERMS	Energy resolved mass spectrometry
ESI-MS	Electrospray ionization mass spectrometry
EXAFS	Extended X-ray absorption fine structure
FAB	Fast atom bombardment
Fpmp	1-(2-fluorophenyl)-4-methoxypiperidin-2-yl
HPLC	High-performance liquid chromatography
LA-FTICR	Laser ablation Fourier Transform ion cyclotron resonance
MALDI	Matrix assisted laser desorption ionization
MCE	Micellar electrokinetic chromatography
MIKE	Mass-analysed ion kinetic energy
PAH	Polycyclic aromatic hydrocarbons
QDA	Hydroquinone-O,O'-diacetic acid
PMEA	9-[2-(phosphonomethoxy)ethyl] adenine
SATE	S-acyl-2-thioethyl
SIMS	Secondary ion mass spectrometry
SSAT	Spermidine/spermine-N1-acetyltransferase
SSIMS	Static secondary ion mass spectrometry
TAD	Thiazole-4-carboxamide adenine dinucleotide
tBDMS	tert-Butyldimethylsilyl
TFA	Trifluoroacetic acid
TGA	Thermogravimetric analysis
TLC	Thin-layer chromatography
TOF	Time of flight
XANES	X-Ray absorption near edge spectroscopy