Special Issue: Biocatalysis, EMBO Conference

Commentary
The EMBO biocatalysis conference “The biochemistry and chemistry of biocatalysis: from understanding to design”
R.K. Wierenga and D. Ringe 149

Original Articles
Sequence determinants of nucleotide binding in Sucrose Synthase: improving the affinity of a bacterial Sucrose Synthase for UDP by introducing plant residues
M. Diricks, A. Gutmann, S. Debacker, G. Dewitte, B. Nidetzky, and T. Desmet 163

Direct determination of enzyme kinetic parameters from single reactions using a new progress curve analysis tool
F. Baak, A. Zitter, and G. Schreiber 151

Review
Enzyme activation through the utilization of intrinsic dianion binding energy
T.L. Amyes, M.M. Malabanan, C. Greco, T. Miyake, and C. Man 169

Original Articles
A robust cosolvent-compatible halohydrin dehalogenase by computational library design

Modification of the peroxynitrite/peroxidase activity ratio in the unspecific peroxynitrite from A. thaliana: a kinetic approach

Ligand characterization of CYP4B1 isoforms modified for high-level expression in Escherichia coli and HepG2 cells

Ligand-induced conformational changes in porphyrin oligopeptidase: a kinetic approach
R. Van Elzen, E. Schoenmakers, I. Brandt, P. Van Der Veken, and A.M. Lambeir 219

Crystallographic substrate binding studies of Leishmania mexicana SCP2-thiolase (type-2): unique features of oxyanion hole-1

On the effect of alkaline pH and cofactor availability in the conformational and oligomeric state of E. coli glutamate decarboxylase
F. Giovannercole, C. Mérigoux, C. Zamparelli, D. Verzili, G. Grassini, M. Buckle, P. Vachette, and D. De Biase 237

An update on the Enzyme Portal: an integrative approach for exploring enzyme knowledge

Review
Understanding the molecular mechanism of substrate channeling and domain communication in protozoal bifunctional TS-DHFR
K.S. Anderson 255

Original Articles
Probing the influence of non-covalent contact networks identified by charge density analysis on the oxidoreductase BacC
C. Forssen, J. Bokheim, V.A. Gunn Awe, and A. Gajan 265

Structure and mechanism of benzaldehyde dehydrogenase from Pseudomonas putida ATCC 12633, a member of the Class 3 aldehyde dehydrogenase superfamily
Advertise

Reach your Target Audience

Advertising opportunities in association with our journals include:

- Print, online and app advertising, with the option to geo-target
- Recruitment advertising (both in print and online)
- Sponsored email table of content alerts (eTOCs)
- Inserts, belly-bands (wrap arounds) and cover tips

For more information visit:

- www.oupmediainfo.com
- jnlsadvertising@oup.com