



ELSEVIER

Available online at www.sciencedirect.com

ScienceDirect

Volume 22, Issue 2, February 2011

CHINESE
CHEMICAL
LETTERS

www.elsevier.com/locate/cclet

Contents

Abstracted/Indexed: Chemical Abstracts, Science Citation Index-Expanded, Research Alert, Chemistry Citation Index. Also covered in the abstract and citation database SCOPUS®.

Full text available on ScienceDirect®

Supramolecular synthesis of 3,4-dihydropyrimidine-2(1H)-one/thiones under neat conditions	127
..... S. ASGHARI, M. TAJBAKHS, B.J. KENARI, S. KHAKSAR	
Synthesis of 3-(aryl)-2-thioxo-2,3-dihydroquinazolin-4(1H)-one derivatives using heteropolyacids as green, hetero-	
geneous and recyclable catalysts	131
..... S. ALLAMEH, M.M. HERAVI, M.M. HASHEMI, F.F. BAMOHARRAM	
The preparation of terephthalic acid by solvent-free oxidation of <i>p</i>-xylene with air over T(<i>p</i>-Cl)PPMnCl and	
Co(OAc)₂	135
..... Y. XIAO, X. ZHANG, Q.B. WANG, Z. TAN, C.C. GUO, W. DENG, Z.G. LIU, H.F. ZHANG	
Synthesis and kinetics of non-isothermal degradation of acetylene terminated silazane	139
..... W.J. HAN, L. YE, J.D. HU, T. ZHAO	
α-Fe₂O₃ nanoparticles: An efficient, inexpensive catalyst for the one-pot preparation of 3,4-	
dihydropyrano[c]chromenes	143
..... H. NAGABHUSHANA, S. SANDEEP SAUNDALKAR,	
L. MURALIDHAR, B.M. NAGABHUSHANA, C.R. GIRIJA, D. NAGARAJA, M.A. PASHA, V.P. JAYASHANKARA	
Nucleophilic substitution of hydrogen in naphthalene by chloride (Cl⁻) in ionic liquids	147
..... S.Y. SHI, A.G. KONG, X.H. ZHAO, H.M. DING, F. YANG, Y.K. SHAN	
The convenient synthesis of 4-arylmethylidene-4,5- dihydro-3-phenylisoxazol-5-ones	151
..... K. ABLAJAN, H. XIAMUXI	
Synthesis and application of chiral <i>N,N'</i>-dialkylated cyclohexanediamine for asymmetric hydrogenation of aryl	
ketones	155
..... M.L. MA, C.H. REN, Y.J. LV, H. CHEN, X.J. LI	
A facile and efficient synthetic method for 4-phenylethynylphthalic anhydride	159
..... D.F. WU, M.J. YANG, Y. WANG, G.W. GAO, J. MEN	
ZrOCl₂·8H₂O catalyzed solvent-free synthesis of isobenzofuran-1(3H)-ones	163
..... J.N. SANGSHETTI, S.A.M.K. ANSARI, D.B. SHINDE	
Rapid formation of β-allyl substituted isotetronic acid derivatives via Claisen rearrangement using a microfluidic	
device	167
..... X.P. MA, Z.M. LI, Q.R. WANG	
A new friedelane triterpenoid and saponin with moderate antimicrobial activity from the stems of	
<i>Drypetes laciniata</i>	171
..... S.V. FANNANG,	
V. KUETE, C.M. DJAMA, M.D.J. DONGFACK, J.D. WANSI, F. TILLEQUIN, E. SEGUIN, E. CHOSSON, J. WANDJI	
Two new benzopyran derivatives from <i>Gouania leptostachya</i> DC. var. <i>tonkinensis</i> Pitard.	175
..... C. YAO, S.J. ZHANG, Z.Z. BAI, T. ZHOU, L.J. XUAN	
A new benzophenone glycoside from the leaves of <i>Psidium guajava</i> L.	178
..... H.Z. FU, J.Z. YANG, C.J. LI, D.M. ZHANG	
Lignan glucoside from <i>Sinopodophyllum emodi</i> and its cytotoxic activity	181
..... C.Q. ZHAO, Y.Y. ZHU, S.Y. CHEN, Y. OGIHARA	
Synthesis and characterization of novel dopamine-derivative: Application of modified multi-wall carbon nanotubes	
paste electrode for electrochemical investigation	185
..... S. MALLAKPOUR, M. HATAMI, A.A. ENSAFI, H. KARIMI-MALEH	
A simple method for determining water content in organic solvents based on cobalt(II) complexes	189
..... L. ZHOU, X.H. LIU, H.X. BAI, H.J. WANG	
A selective detection of fluoride ions in DMSO by fluorescent and colorimetry competition assays based on	
4-bromo-2,6-bis-(hydroxymethyl)phenol	193
..... H. TAVALLALI, G. DEILAMY-RAD, M. TABANDEH	

Determination of diastereoisomeric alkaloids in urine by capillary electrophoresis with electrochemiluminescence detection	Y.M. LIU, L.F. PENG, L. MEI, L.J. LIU	197
Fabrication of a Ho^{3+} -PVC membrane sensor based on <i>N</i> -phenyl-2-(thiophen-2-ylmethylene) hydrazinecarbothioamide for determination of holmium ions	H.A. ZAMANI	201
Effect of dextran molecular weight on resonance light-scattering of quantum dots modified with dextran and concanavalin A	S. HU, Z.B. SHANG, Y. WANG	205
Simple preparation and catalytic properties of ZnO for ozonation degradation of phenol in water	Y.M. DONG, G.L. WANG, P.P. JIANG, A.M. ZHANG, L. YUE, X.M. ZHANG	209
Highly efficient bis(aminotropone) Ti catalyst for ethylene polymerization	R. SANDAROOS, S. DAMAVANDI, A. NAZIF, M. GOHARJOO, A. MOHAMMADI	213
Preparation and characterization of cross-linked β -cyclodextrin polymer/ Fe_3O_4 composite nanoparticles with core-shell structures	R.X. LI, S.M. LIU, J.Q. ZHAO, H. OTSUKA, A. TAKAHARA	217
Promoting effect of ethanol on the synthesis of <i>N</i> -(2-methylphenyl) hydroxylamine from <i>o</i> -nitrotoluene in $\text{Zn}/\text{H}_2\text{O}/\text{CO}_2$ system	S.J. LIU, Y.H. WANG, Y.P. HAO, J.Y. JIANG	221
Removal of methylene blue by tea wastages from the synthesis waste waters	M. GIAHI, R. RAKHSHAEI, M.A. BAGHERINIA	225
Nematogenic and smectogenic liquid crystals from new heterocyclic isoflavone derivatives: Synthesis, characterization and X-ray diffraction studies	W.S. YAM, G.Y. YEAP	229
Synthesis and characterization of magnetic and luminescent $\text{Fe}_3\text{O}_4/\text{CdTe}$ nanocomposites using aspartic acid as linker	X.L. WANG, L. WEI, G.H. TAO, M.Q. HUANG	233
Design, synthesis and characterization of novel poly(urethane-urea) based on a macrodiol from poly(lactic acid) and poly(<i>p</i> -dioxanone)	Y.F. LUO, M.N. HUANG, S.J. WANG, Y. FU, Y.L. WANG	237
New insight into surface properties of LB film of an amphiphilic terpolymer	X.L. YUE, F. MA, Z.F. DAI, M. LIU, L. XING, H.Y. FAN, Z.W. XING, S.Q. LIU	241
A novel hydrophilic polystyrene-based beads for hydrophilic interaction chromatography by surface-initiated atom transfer radical polymerization	X.J. DAI, Y. HE, Y.M. WEI, B.L. GONG	245
Synthesis, characterization of neodymium chloride complex of amine-bis(phenolate) ligand and its reactivity in the ring-opening polymerization of ϵ -caprolactone	L.R. WANG, Z.H. LIANG, X.F. NI, Z.Q. SHEN	249