



## 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®

Design, synthesis and <i>in vitro</i> evaluation of mono (2, 2, 2-trifluoroethyl) esters, mono L-amino acid ester prodrugs of acyclic nucleoside phosphonates as anti-HBV agents .....	X.Z. FU, Y. OU, J. XIN, Y.S. YANG	1387
Sulfamic acid as a cost-effective and recyclable solid acid catalyst for Friedel–Crafts alkylation of indole with $\alpha,\beta$ -unsaturated carbonyl compound and benzyl alcohol ...	J. YANG, J. ZHANG, T.T. CHEN, D.M. SUN, J. LI, X.F. WU	1391
An approach to synthesis of (Z)-2-chloro-1,3-diarylpropen-1-ones by Vilsmeier reagent (bis-(trichloromethyl) carbonate/DMF) .....	Y.Y. WENG, J.J. LI, W.K. SU	1395
A facile synthesis of imino-protected cyclic guanidine derivatives from diamines .....	J.H. YUAN, X.X. YANG, H. LIN, D.X. WANG	1399
An efficient and convenient method for preparation of disulfides from thiols using air as oxidant catalyzed by Co-Salophen. ....	P.J. CHAI, Y.S. LI, C.X. TAN	1403
Microwave assisted synthesis of novel Hantzsch 1,4-dihydropyridines, acridine-1,8-diones and polyhydroquinolines bearing the tetrazolo[1,5-a]quinoline moiety and their antimicrobial activity assess .....	N.K. LADANI, D.C. MUNGRA, M.P. PATEL, R.G. PATEL	1407
Synthesis of a novel pyrrolo-benzoxaborole scaffold and its derivatization via Friedel–Crafts reaction catalyzed by anhydrous stannic chloride .....	P.H. WU, Q.Q. MENG, H.C. ZHOU	1411
Un-catalyzed tandem Knoevenagel–Michael reaction for the synthesis of 4,4'-(arylmethylene)bis(1H-pyrazol-5-ols) in aqueous medium .....	N.P. TALE, G.B. TIWARI, N.N. KARADE	1415
CuO nanoparticles: An efficient and recyclable nanocatalyst for the rapid and green synthesis of 3,4-dihydro-pyrano[c]chromenes .....	H. MEHRABI, M. KAZEMI-MIREKI	1419
Strontium chloride-catalyzed one-pot synthesis of 2, 3-dihydroquinazolin-4(1H)-ones in protic media. ....	M. WANG, T.T. ZHANG, Y. LIANG, J.J. GAO	1423
Efficient iodination of aromatic compounds using potassium ferrate supported on montmorillonite .....	H. KEIPOUR, M.A. KHALILZADEH, B. MOHTAT, A. HOSSEINI, D. ZAREYEE	1427
Mononitration of phenol derivatives by guanidinium nitrate and silica sulfuric acid under mild conditions .....	A. GHORBANI-CHOGHAMARANI, H. GOUDARZIAFSHAR, M. NIKOORAZM, Z. NASERI	1431
Iodine-mediated facile dehydrogenation of dihydropyridazin-3(2H)one .....	V.T. HUMNE, S.G. KONDA, K. HASANZADEH, P.D. LOKHANDE	1435
Facile synthesis of N-6 adenosine modified analogue toward S-adenosyl methionine derived probe for protein arginine methyltransferases .....	W. HONG, J. DOWDEN	1439
Solution-phase synthesis of a muramyl dipeptide analogue MDA .....	N. ZHAO, Y. MA, G. LIU	1443
Synthesis and optical activity of isosorbide chiral derivative containing fluorocarbon group as chiral dopant in liquid crystal materials. ....	K.L. XIE, Y.H. SU, C.X. ZHANG	1447
Two new diterpene and sesquiterpene from <i>Pteris dispar</i> .....	Z.P. GOU, N.C. LIANG, J. HOU, L. LI, Y. TIAN, C.Y. WANG, X. CUI, B.J. ZHANG, X.C. MA	1451
A novel 8,4'-oxyneolignan diglycoside from <i>Ligusticum sinensis</i> .....	J.P. MA, C.H. TAN, D.Y. ZHU, L. JIN	1454
Bisabocurcumin, a new skeleton curcuminoid from the rhizomes of <i>Curcuma longa</i> L. ....	Y.C. XIAO, J. XIE, M. YU, M. LIU, J. RAN, Z. XI, W. LI, J. HUANG	1457
Two new dammarane-type saponin from <i>Gynostemma pentaphyllum</i> .....	X. LI, J.Q. CAO, L. SHI, Y.Q. ZHAO	1461
Response surface methodology to optimize gradient ion chromatographic separation of inorganic anions and organic acids in tobacco leaves .....	R.Q. WANG, N.N. WANG, J.J. ZHANG, Y. ZHU	1465
Stripping voltammetric determination of Cd(II) based on multiwalled carbon nanotube functionalized with 1-(2-pyridylazo)-2-naphthol .....	A. MOHADESI, H. BEITOLLAHI, M.A. KARIMI	1469

Near-infrared spectra combined with partial least squares for pH determination of toothpaste of different brands .....	Y.N. NI, W. LIN	1473
Surface enhanced Raman spectroscopy signals of mixed pesticides and their identification. ....	H.R. TANG, Q.Q. LI, Y.L. REN, J.P. GENG, P. CAO, T. SUI, X. WANG, Y.P. DU	1477
Surface interrogation mode of scanning electrochemical microscopy for oxidation study of adsorbed CO generated from serine on platinum. ....	C.C. HUANG, Q. WANG, D.B. XIANG, H.B. SHAO	1481
Determination of levels of adenosine phosphates in blood by ion chromatography .....	P.J. XIE, M.L. YE, Z.Y. HU, G.W. PAN, Y. ZHU, J.J. ZHANG	1485
Synthesis of a novel water-soluble polymeric UV-absorber for cotton .....	W. MA, X. JIANG, Y. LIU, B.T. TANG, S.F. ZHANG	1489
Syngas production in a novel perovskite membrane reactor with co-feed of CO <sub>2</sub> .....	Y.Y. WEI, L. HUANG, J. TANG, L.Y. ZHOU, Z. LI, H.H. WANG	1492
Phase behavior of binary system of bromobenzene–chlorobenzene confined in SBA-15 and MCM-41 .....	X.Z. LAN, H.R. PEI, C.X. CHENG	1497
Catalytic effect of lucunary heteropolyanion containing molybdenum and tungsten atoms on decolorization of direct blue 71 .....	M. TABATABAEE, M. ROOZBEH, M. ROOZBEH	1501
Poly(2-acetoxyethyl methacrylate)/polystyrene latex interpenetrating polymer networks with well-defined phase-separated structure .....	T. WANG, S. SHI, L.N. BIAN, L.M. ZHOU, L.Q. ZHAO, S.I. KURODA	1505
<i>In situ</i> generation of biodegradable poly( <i>p</i> -dioxanone) micro-particles by polymerization in supercritical carbon dioxide .....	T.Q. WANG, X.L. ZHAO, J.Y. HAO	1509