



## 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®

<b>A practical synthesis of 2-amino-5-methoxypropiofenone</b> . . . . .	S.B. YU, L.J. ZHANG, Y. LUO, W. LU	1
<b>Synthetic studies on the construction of 7-O-methylquercetin through regioselective protection and alkylation of quercetin</b> . . . . .	N.G. LI, Z.H. SHI, Y.P. TANG, J.P. YANG, T.L. LU, F. ZHANG, Y.W. HUANG, Z.J. WANG, J.A. DUAN	5
<b>Highly efficient and green synthesis of 14-aryl(alkyl)-14H-dibenzo[a,j]xanthene and 1,8-dioxooctahydroxanthene derivatives catalyzed by reusable zirconyl triflate [ZrO(OTf)<sub>2</sub>] under solvent-free conditions</b> . . . . .	I. MOHAMMADPOOR-BALTORK, M. MOGHADAM, V. MIRKHANI, S. TANGESTANINEJAD, H. REZA TAVAKOLI	9
<b>Polyvinylpolypyrrolidone–bromine complex: Mild and efficient polymeric reagent for bromination of activated aromatic compounds</b> . . . . .	M. MOKHTARY, M.M. LAKOURAJ	13
<b>Synthesis and anti-TMV activity of novel N-(pyrimidin-5-yl)-N'-phenylureas</b> . . . . .	D.K. YUAN, D.Q. ZHANG, R.X. LI, D.Q. WANG, X.L. YANG	18
<b>Application of N-thiocyanatosuccinimide as a reagent for the facile conversion of epoxides into thiocyanohydrines</b> . . . . .	B. MOKHTARI, R. AZADI, S. RAHMANI-NEZHAD	21
<b>Synthesis and antitumor activity of novel salvicine analogues</b> . . . . .	F. DENG, J.J. LU, H.Y. LIU, L.P. LIN, J. DING, J.S. ZHANG	25
<b>Solvent-free Michael addition reaction of fluorene with chalcon</b> . . . . .	F. FENG	29
<b>V(HSO<sub>4</sub>)<sub>3</sub> promoted oxidation of alcohols and trimethylsilyl, tetrahydropyranyl and methoxymethyl ethers with Cu(NO<sub>3</sub>)<sub>2</sub>·3H<sub>2</sub>O in the absence of solvent</b> . . . . .	F. SHIRINI, M. ABEDINI, A. POURVALI	33
<b>An efficient synthesis of pyrazole chalcones under solvent free conditions at room temperature</b> . . . . .	P. KUMAR, S. KUMAR, K. HUSAIN, A. KUMAR	37
<b>A facile and efficient method for hydroxylation of azabenzanthrone compounds</b> . . . . .	F.X. NING, X. WENG, S.L. HUANG, L.J. GU, Z.S. HUANG, L.Q. GU	41
<b>Synthesis of 14-aryl or alkyl-14H-dibenzo[a,j]xanthenes promoted by Mg(HSO<sub>4</sub>)<sub>2</sub></b> . . . . .	B.B.F. MIRJALILI, A. BAMONIRI, A. AKBARI	45
<b>Efficient synthesis of functionalized butenolides mediated by vinyltriphenylphosphonium salts in aqueous media</b> . . . . .	M.A. KHALILZADEH, A. HASANNIA, M.M. BARADARANI, Z. HOSSAINI	49
<b>Microwave-assisted synthesis of α-hydroxy aromatic ketones from α-bromo aromatic ketones in water</b> . . . . .	X. LIU, H.B. CHEN, Z.G. PAN, J.H. XU, H.X. LI	53
<b>Graphene nanosheet as support of catalytically active metal particles in DMC synthesis</b> . . . . .	J. BIAN, X.W. WEI, L. WANG, Z.P. GUAN	57
<b>n-Butyltriphenylphosphonium peroxodisulfate: A cheap and efficient reagent for the aromatization of Hantzsch 1,4-dihydropyridines</b> . . . . .	M. GORJIZADEH, M. ABDOLLAHI-ALIBEIK	61
<b>Polyethylene glycol (PEG-400): An efficient and recyclable reaction medium for the synthesis of novel 1, 5-benzodiazepines and their antimicrobial activity</b> . . . . .	S.G. KONDA, B.M. SHAIKH, S.A. CHAVAN, B.S. DAWANE	65
<b>Silica-bonded N-propylsulfamic acid as a recyclable catalyst for the synthesis of 2,3-dihydroquinazolin-4(1H)-ones</b> . . . . .	K. NIKNAM, N. JAFARPOUR, E. NIKNAM	69
<b>Design, synthesis and biological evaluation of novel glucokinase activators</b> . . . . .	Y.Q. LI, Y.L. ZHANG, S.Q. HU, Y.L. WANG, H.R. SONG, Z.Q. FENG, L. LEI, Q. LIU, Z.F. SHEN	73
<b>Two new steroidal glycosides from the root of <i>Cynanchum auriculatum</i></b> . . . . .	H.L. TENG, Y. LU, J. LI, G.Z. YANG, Z.N. MEI	77
<b>A novel bacteriophage from <i>Celtis australis</i> L. bark</b> . . . . .	R. BADONI, D.K. SEMWAL, P.P. BADONI, S.K. KOTHIYAL, U. RAWAT	81

<b>A new aryltetrahydronaphthalene lignan from <i>Epimedium brevicornum</i></b> .....	H.Z. LI, G.J. LUO, H.M. LI, X.L. LI, R.T. LI	85
<b>Competitive bulk liquid membrane transport of Co(II), Ni(II), Zn(II), Cd(II), Ag(I), Cu(II) and Mn(II), cations using 2,2'-dithio(bis)benzothiazole as carrier</b> .....	A. NEZHADALI, N. RABANI	88
<b>Crystal structure and some dynamic performances of <math>Ti_{0.25}V_{0.34}Dy_{0.01}Cr_{0.1}Ni_{0.3}</math> hydrogen storage electrode</b> .....	Y.Q. QIAO, M.S. ZHAO, Q.M. ZHANG, J. ZHAI	93
<b>Trace determination of hexabromocyclododecane diastereomers in water samples with temperature controlled ionic liquid dispersive liquid phase microextraction</b> .....	R.S. ZHAO, X. WANG, J.P. YUAN, S.S. WANG, C.G. CHENG	97
<b>DNA cleavage mediated by water-soluble manganese corrole</b> .....	J. LU, H.Y. LIU, L. SHI, X.L. WANG, X. YING, L. ZHANG, L.N. JI, L.Q. ZANG, C.K. CHANG	101
<b>Effect of surface acidity and pore size of Al-substituted plugs-containing SBA-15 and MCM-41 silicas on the polymerization of THF</b> .....	Z.Q. JIA, M. ZHAO, C.G. GAO, Y.X. ZHAO	105
<b>Synthesis and properties of a novel polyester containing bithiazole</b> .....	F. DENG, W. HE, A.S. LUYT, Y.Y. JIANG	109
<b>Poly(4-vinylpyridinium tribromide) as metal-free, green and recoverable oxidizing polymer for the chemoselective oxidation of sulfides into sulfoxides</b> .....	A. GHORBANI-CHOGHAMARANI, M. ABBASI	114
<b>Synthesis and biological evaluation of hydrazino-containing polyamine skeletons as drug delivery system</b> .....	J.H. WANG, J.J. ZHOU, S.Q. XIE, Q. LI, J. ZHAO, C.J. WANG	119
<b>Coordinated organogel templated fabrication of silver/polypyrrole composite nanowires</b> .....	B.T. LI, L.M. TANG, K. CHEN, Y. XIA, X. JIN	123