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Author(s): Terzidis, MA; Stephanidou-Stephanatou, J; Tsoleridis, CA  
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Published: **2009**  
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52. Title: [Electronic and Steric Effects on the Mechanism of the Inverse Electron Demand Diels-Alder Reaction of 2-Aminopyrroles with 1,3,5-Triazines: Identification of Five Intermediates by H-1, C-13, N-15, and F-19 NMR Spectroscopy](#)  
Author(s): De Rosa, M; Arnold, D  
Source: **JOURNAL OF ORGANIC CHEMISTRY** Volume: **74** Issue: **1** Pages: **319-328** Published: **2009**  
Times Cited: **4**  
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Author(s): Sanchez-Coronilla, A; Balon, M; Munoz, MA, et al.  
Source: **CHEMICAL PHYSICS** Volume: **351** Issue: **1-3** Pages: **27-32** Published: **2008**  
Times Cited: **4**  
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Author(s): Huisgen, R; Pochlauer, P; Mloston, G, et al.  
Source: **HELVETICA CHIMICA ACTA** Volume: **90** Issue: **5** Pages: **983-998**  
Published: **2007**  
Times Cited: **4**  
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55. Title: [Amorphous blends of poly \(zwitterions\) and zwitterionomers of the ammonioalkoxydicyanoethenolate type with some alkali metal salts](#)  
Author(s): Galin, M; Mathis, A; Galin, JC  
Source: **POLYMERS FOR ADVANCED TECHNOLOGIES** Volume: **12** Issue: **10** Pages: **574-582** Published: **OCT 2001**  
Times Cited: **4**  
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56. Title: [Cycloadditions of thiocarbonyl ylides with N-sulfinylamines](#)  
Author(s): Huisgen, R; Mloston, G; Polborn, K  
Source: **HETEROATOM CHEMISTRY** Volume: **10** Issue: **7** Pages: **662-669**  
Published: **1999**  
Times Cited: **4**  
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57. Title: [The three component reaction involving isocyanides, dimethyl acetylenedicarboxylate and quinoneimides: a facile synthesis of spirofused gamma-iminolactams](#)  
Author(s): Nair, V; Dhanya, R; Viji, S  
Source: **TETRAHEDRON** Volume: **61** Issue: **24** Pages: **5843-5848** Published: **JUN 13 2005**  
Times Cited: **3**  

58. Title: [ZWITTERIONIC ANALOGS OF CIMETIDINE AS H2 RECEPTOR ANTAGONISTS](#)  
Author(s): YOUNG, RC; GANELLIN, CR; GRAHAM, MJ, et al.  
Source: **JOURNAL OF MEDICINAL CHEMISTRY** Volume: **30** Issue: **7** Pages: **1150-1156** Published: **JUL 1987**  
Times Cited: **3**  

59. Title: [DETERMINATION OF THE MACRO-IONIZATION AND MICRO-IONIZATION CONSTANTS OF A DIPOLAR ZWITTERIONIC CEPHALOSPORIN - CEFADROXIL](#)  
Author(s): MARINO, EL; DOMINGUEZGIL, A  
Source: **INTERNATIONAL JOURNAL OF PHARMACEUTICS** Volume: **8** Issue: **1** Pages: **25-33** Published: **1981**  
Times Cited: **3**  

60. Title: [The interface bonding and orientation of a quinonoid zwitterion](#)  
Author(s): Xiao, J; Zhang, Z; Wu, D, et al.  
Source: **PHYSICAL CHEMISTRY CHEMICAL PHYSICS** Volume: **12** Issue: **35** Pages: **10329-10340** Published: **2010**  
Times Cited: **2**  

61. Title: [Synthesis of zwitterionic salts via three component reactions of nitrogen-containing heterocycles, acetylenedicarboxylate and cyclic 1,3-dicarbonyl compounds](#)  
Author(s): Xia, EY; Sun, J; Yao, R, et al.  
Source: **TETRAHEDRON** Volume: **66** Issue: **20** Pages: **3569-3574** Published: **2010**  
Times Cited: **2**  

62. Title: [Methylisoquinoline-Based Three-Component Condensation Reactions Involving Chromone-3-carboxaldehydes: One-Pot Synthesis of a New Class of Chromenopyridoisoquinolines](#)  
Author(s): Terzidis, MA; Tsoleridis, CA; Stephanidou-Stephanatou, J  
Source: **SYNLETT** Issue: **2** Pages: **229-232** Published: **2009**  
Times Cited: **2**  

63. Title: [Unusual cycloadducts from the dipolar cycloaddition of allenyl perfluoroalkyl sulfones to nitrones](#)  
Author(s): Wang, XJ; Liu, JT  
Source: **CHINESE JOURNAL OF CHEMISTRY** Volume: **25** Issue: **5** Pages: **649-652** Published: **MAY 2007**  
Times Cited: **2**  

64. Title: [Polar group enhanced gas-phase acidities of carboxylic acids: An investigation of intramolecular electrostatic interaction](#)  
Author(s): Ren, J  
Source: **JOURNAL OF PHYSICAL CHEMISTRY A** Volume: **110** Issue: **50** Pages: **13405-13411** Published: **DEC 21 2006**  
Times Cited: **2**  

65. Title: [New thiocarbonyl ylides derived from 3,3-dichloro-2,2,4,4-tetramethylcyclobutanethione; generation and reactions](#)  
Author(s): Woznicka, M; Rutkowska, M; Mloston, G, et al.  
Source: **POLISH JOURNAL OF CHEMISTRY** Volume: **80** Issue: **10** Pages: **1683-1693** Published: **OCT 2006**  
Times Cited: **2**


- 
66. Title: [Molecular conformation, vibrational spectra and solvent effect studies on glycyl-L-alanine zwitterion by ab initio method](#)  
Author(s): Nandini, G; Sathyanarayana, DN  
Source: **JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM** Volume: **638**  
Pages: **79-90** Published: **OCT 24 2003**  
Times Cited: **2**
- 
67. Title: [MOLECULAR DESIGN FOR ENHANCED ELECTRIC-FIELD ORIENTATION OF 2ND-ORDER NONLINEAR OPTICAL CHROMOPHORES](#)  
Author(s): KATZ, HE; SCHILLING, ML; HOLLAND, WR, et al.  
Conference Information: **SYMP AT THE 199TH NATIONAL MEETING OF THE AMERICAN CHEMICAL SOC - MATERIALS FOR NONLINEAR OPTICS : CHEMICAL PERSPECTIVES**, Date: **APR 22-27, 1990 BOSTON MA**  
Source: **MATERIALS FOR NONLINEAR OPTICS** Volume: **455** Pages: **267-278**  
Published: **1991**  
Times Cited: **2**
- 
68. Title: [Expeditious one-pot synthesis of highly substituted thiazolo\[3,2-a\]pyridines involving chromones](#)  
Author(s): Terzidis, MA; Stephanidou-Stephanatou, J; Tsoleridis, CA, et al.  
Source: **TETRAHEDRON** Volume: **66** Issue: **4** Pages: **947-954** Published: **2010**  
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- 
69. Title: [Conformation of the Phosphate D-Alanine Zwitterion in Bacterial Teichoic Acid from Nuclear Magnetic Resonance Spectroscopy](#)  
Author(s): Garimella, R; Halye, JL; Harrison, W, et al.  
Source: **BIOCHEMISTRY** Volume: **48** Issue: **39** Pages: **9242-9249** Published: **2009**  
Times Cited: **1**
- 
70. Title: [Two- and Three-Component Reactions Leading to New Enamines Derived from 2,3-Dicyanobut-2-enoates](#)  
Author(s): Mloston, G; Celeda, M; Linden, A, et al.  
Source: **HELVETICA CHIMICA ACTA** Volume: **92** Issue: **8** Pages: **1520-1537**  
Published: **2009**  
Times Cited: **1**
- 
71. Title: [Theoretical Study of the Effective Chemical Shielding Anisotropy \(CSA\) in Peptide Backbone, Rating the Impact of CSAs on the Cross-Correlated Relaxations in L-Alanyl-L-alanine](#)  
Author(s): Benda, L; Bour, P; Muller, N, et al.  
Source: **JOURNAL OF PHYSICAL CHEMISTRY B** Volume: **113** Issue: **15**  
Pages: **5273-5281** Published: **2009**  
Times Cited: **1**
- 
72. Title: [Reactions of thioketones possessing a conjugated C=C bond with diazo compounds](#)  
Author(s): Egli, DH; Linden, A; Heimgartner, H  
Source: **HELVETICA CHIMICA ACTA** Volume: **89** Pages: **3041-3055** Published: **2006**  
Times Cited: **1**
- 
73. Title: [Matrix polarity effects on microphase separation in zwitterionomers, 2 - Structural analysis of the model random zwitterionomers](#)  
Author(s): Biegle, A; Mathis, A; Meurer, B, et al.  
Source: **MACROMOLECULAR CHEMISTRY AND PHYSICS** Volume: **201** Issue: **17** Pages: **2401-2407** Published: **DEC 6 2000**  
Times Cited: **1**
- 
74. Title: [Efficient Synthesis of \[1,3\]Oxazino\[3,2-f\]phenanthridine Derivatives by a Novel 1,4-Dipolar Cycloaddition Involving a Phenanthridine-Dimethyl Acetylenedicarboxylate Zwitterion and Aromatic Aldehydes](#)

Author(s): Li, M; Pan, L; Wen, LR  
Source: **HELVETICA CHIMICA ACTA** Volume: **94** Issue: **1** Pages: **169-177**  
Published: **2011**  
Times Cited: **0**



75. Title: [The \[4+2\], not \[2+2\], Mechanism Occurs in the Gold-Catalyzed Intramolecular Oxygen Transfer Reaction of 2-Alkynyl-1,5-Diketones](#)  
Author(s): Liu, LP; Malhotra, D; Paton, RS, et al.  
Source: **ANGEWANDTE CHEMIE-INTERNATIONAL EDITION** Volume: **49** Issue: **48** Pages: **9132-9135** Published: **2010**  
Times Cited: **0**
76. Title: [The interface bonding and orientation of a quinonoid zwitterion.](#)  
Author(s): Xiao, Jie; Zhang, Zhengzheng; Wu, Dong, et al.  
Source: **Phys Chem Chem Phys** Volume: **12** Issue: **35** Pages: **10329-40**  
Published: **2010 Sep 21**
77. Title: [Synthesis of Polysubstituted Dihydropyridines by Four-Component Reactions of Aromatic Aldehydes, Malononitrile, Arylamines, and Acetylenedicarboxylate](#)  
Author(s): Sun, J; Xia, EY; Wu, Q, et al.  
Source: **ORGANIC LETTERS** Volume: **12** Issue: **16** Pages: **3678-3681**  
Published: **2010**  
Times Cited: **0**
78. Title: [Synthesis and Crystal Structure of Dimethyl-3-\(4-bromophenyl\)-1-phenyl-4,5-dihydro-1H-pyrazole-4,5-dicarboxylate](#)  
Author(s): Li, M; Pan, L; Wen, LR  
Source: **CHINESE JOURNAL OF STRUCTURAL CHEMISTRY** Volume: **29** Issue: **4** Pages: **495-498** Published: **2010**  
Times Cited: **0**
79. Title: [Coherent ultrafast torsional motion and isomerization of a biomimetic dipolar photoswitch.](#)  
Author(s): Briand, Julien; Bram, Olivier; Rehault, Julien, et al.  
Source: **Phys Chem Chem Phys** Volume: **12** Issue: **13** Pages: **3178-87**  
Published: **2010 Apr 7**
80. Title: [Mechanistic investigation of the dipolar \[2+2\] cycloaddition-cycloreversion reaction between 4-\(N,N-dimethylamino\)phenylacetylene and arylated 1,1-dicyanovinyl derivatives to form intramolecular charge-transfer chromophores.](#)  
Author(s): Wu, Yi-Lin; Jarowski, Peter D; Schweizer, W Bernd, et al.  
Source: **Chemistry** Volume: **16** Issue: **1** Pages: **202-11** Published: **2010 Jan 4**
81. Title: [Conformation of the Phosphate D-Alanine Zwitterion in Bacterial Teichoic Acid from Nuclear Magnetic Resonance Spectroscopy](#)  
Author(s): Garimella, Ravindranath; Halye, Jeffrey L.; Harrison, William, et al.  
Source: **Biochemistry** Volume: **48** Issue: **39** Pages: **9242-9249** Published: **OCT 6 2009**  
Article Number: **10.1021/bi900503k**
82. Title: [Preparing quaternary morphine alkaloid derivative comprises adding alkylating agent to tertiary morphine alkaloid compound, followed by adding sulfur containing base and solvent, separating, suspending in water and adding anionic compound](#)  
Patent Number(s): **EP2039696-A1**  
Assignee: SIEGFRIED LTD  
Inventor(s): DINKEL T; EIPERT M; HAKE S, et al.
83. Title: [Preparing quaternary N-alkyl morphine/morphinan alkaloids useful as opiate receptor antagonists involves alkylation of tertiary N-alkyl derivatives, addition of nucleophilic base to obtain intermediate zwitterions and adding acid](#)

Patent Number(s): **EP2019105-A1; CA2638195-A1; US2009054651-A1**  
 Assignee: SIEGFRIED LTD; EIPERT M; LAUTERBACH E H; et al.  
 Inventor(s): DINKEL T; EIPERT M; HAKE S, et al.

- 84.** Title: [Reaction of quinones with diazoalkanes and some synthetic application](#)  
 Author(s): Kokubo, K; Oshima, T  
 Source: **JOURNAL OF SYNTHETIC ORGANIC CHEMISTRY JAPAN** Volume: **61**  
 Issue: **4** Pages: **360-369** Published: **APR 2003**  
 Times Cited: **0**  

- 85.** Title: [1-Nitrophenyl-2-hydroxymethyl-pyrrolidine\]has electron donor and acceptor sepd. by conjugated system and charged gps. of zwitterionic structure also sepg. by the conjugated system](#)  
 Patent Number(s): **WO8908686-A1; DE3808309-A; EP359795-A...**  
 Assignee: MERCK PATENT GMBH  
 Inventor(s): DORSCH D; RIEGER B
- 86.** Title: [Antistatic synthetic fibre\]comprises fibre-forming polymer and polymer \(compsn.\) contg. poly:alkylene oxide with sulpho- or carboxy-ammonium dipolar ion structure](#)  
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