
Publications

2023-2022-2021-2020-2019-2018-2017-2016-2015-2014-2013-2012-2011-2010-2009-2008-2007-2006-2005-2004-2003-2002-2001

2023

91) Gros Lambert, L.; Padilla-Hernandez, A.; Weiss, R.; Pale, P.*; Mamane, V.* *Chalcogen-Bond Catalysis: Tellurium-Catalyzed [4+2]-Cyclocondensation of (in situ Generated) Aryl Imines with Alkenes.* *Chem. Eur. J.* **2023**, *10.1002/chem.202203372.*

90) Pale, P.*; Mamane, V.* *Chalcogen Bonds: How to Characterize Them in Solution?* *ChemPhysChem* **2023**, *24*, e202200481 (Concept Article).

89) Dallochio, R.; Dessì, A.; Sechi, B.; Chankvetadze, B.; Jibuti, G.; Cossu, S.; Mamane, V.*; Peluso, P.* *Enantioseparation of planar chiral ferrocenes on cellulose-based chiral stationary phases: Benzoate versus carbamate pendant groups.* *Electrophoresis* **2023**, *44*, 203.

88) Peluso, P.*; Mamane, V.* *Ferrocene derivatives with planar chirality and their enantioseparation by liquid-phase techniques.* *Electrophoresis* **2023**, *44*, 158.

2022

87) Sechi, B.; Dessì, A.; Gatti, C.; Dallochio, R.; Chankvetadze, B.; Cossu, S.; Mamane, V.*; Pale, P.; Peluso, P.* *Unravelling functions of halogen substituents in the enantioseparation of halogenated planar chiral ferrocenes on polysaccharide-based chiral stationary phases: experimental and electrostatic potential analyses.* *J. Chromatogr. A* **2022**, *1673*, 463097.

86) Peluso, P.*; Mamane, V.* *Stereoselective Processes Based on σ -Hole Interactions.* *Molecules* **2022**, *27*, 4625.

85) Weiss, R.; Aubert, E.; Gros Lambert, L.; Pale, P.*; Mamane, V.* *Chalcogen Bonding with Diaryl Ditellurides: Evidence from Solid State and Solution Studies.* *Chem. Eur. J.* **2022**, *28*, e202200395.

84) Peluso, P.*; Dallochio, R.; Dessì, A.; Sechi, B.; Chankvetadze, B.; Cossu, S.; Mamane, V.*; Aubert, E.; Rozzo, C.; Palmieri, G.; Spissu, Y. *Exploring interaction modes between polysaccharide-based selectors and biologically active 4,4'-bipyridines by experimental and computational analysis.* *J. Chromatogr. Open* **2022**, *2*, 100030.

83) Aubert, E.; Doudouh, A.; Wenger, E.; Sechi, B.; Peluso, P.*; Pale, P.; Mamane, V.* *Chiral Ferrocenyl-Iodotriazoles and -Iodotriazoliums as Halogen Bond Donors. Synthesis, Solid State Analysis and Catalytic Properties.* *Eur. J. Inorg. Chem.* **2022**, *2022*, e202100927.

82) Dessì, A.; Sechi, B.; Dallochio, R.; Chankvetadze, B.; Pérez-Baeza, M.; Cossu, S.; Mamane, V.*; Pale, P.; Peluso, P.* *Comparative enantioseparation of planar chiral ferrocenes on polysaccharide-based chiral stationary phases.* *Chirality* **2022**, *34*, 609.

81) Weiss, R.; Cornaton, Y.; Khartabil, H.; Gros Lambert, L.; Hénon, E.; Pale, P.; Djukic, J.-P.*; Mamane, V.* *Deciphering the Role of Noncovalent Interactions in the Conformations of Dibenzo-1,5-dichalcogenocines.* [*ChemPlusChem* **2022**, *87*, e202100518.](#)

2021

80) Weiss, R.; Golisano, T.; Pale, P.; Mamane, V.* *Insight into the Modes of Activation of Pyridinium and Bipyridinium Salts in Non-Covalent Organocatalysis.* [*Adv. Synth. Catal.* **2021**, *363*, 4779.](#)

79) Weiss, R.; Aubert, E.; Pale, P.*; Mamane, V.* *Chalcogen-Bonding Catalysis with Telluronium Cations.* [*Angew. Chem. Int. Ed.* **2021**, *60*, 19281.](#)

78) Aubert, E.; Wenger, E.; Peluso, P.*; Mamane, V.* *Convenient access to functionalized non-symmetrical atropisomeric 4,4'-bipyridines.* [*Compounds* **2021**, *1*, 58.](#)

77) Dallochio, R.; Sechi, B.; Dessì, A.; Chankvetadze, B.; Cossu, S.; Mamane V.*; Weiss, R.; Pale, P.; Peluso, P.* *Enantioseparations of polyhalogenated 4,4'-bipyridines on polysaccharide-based chiral stationary phases and molecular dynamics simulations of selector–selectand interactions.* [*Electrophoresis* **2021**, *42*, 1853.](#)

76) Richard, J.; Joseph, J.; Wang, C.; Ciesielski, A.; Weiss, J.; Samorì, P.*; Mamane, V.*; Wytko, J. A.* *Functionalized 4,4'-bipyridines: synthesis and 2D-organization on HOPG.* [*J. Org. Chem.* **2021**, *86*, 3356.](#)

75) Peluso, P.*; Dessì, A.; Dallochio, R.; Sechi, B.; Gatti, C.; Chankvetadze, B.; Mamane V.*; Weiss, R.; Pale, P.; Aubert, E.; Cossu, S. *Enantioseparation of 5,5'-dibromo-2,2'-dichloro-3-selanyl-4,4'-bipyridines on polysaccharide-based chiral stationary phases: exploring chalcogen bonds in liquid-phase chromatography.* [*Molecules* **2021**, *26*, 221.](#)

2020

74) Mamane, V.*; Peluso, V.*; Aubert, E.; Weiss, R.; Wenger, E.; Cossu, S. Pale, P. *Disubstituted Ferrocenyl Iodo- and Chalcogenoalkynes as Chiral Halogen and Chalcogen Bond Donors.* [*Organometallics* **2020**, *39*, 3936.](#)

73) Gatti, C.*; Dessì, A.; Dallochio, R.; Mamane, V.*; Cossu, S.; Weiss, R.; Pale, P.; Aubert, E.; Peluso, P.* *Factors Impacting σ - and π -Hole Regions as Revealed by the Electrostatic Potential and Its Source Function Reconstruction: The Case of 4,4'-Bipyridine Derivatives.* [*Molecules* **2020**, *25*, 4409.](#)

72) Peluso, P.*; Sechi, B.; Lai, G.; Dessì, A.; Dallochio, R.; Cossu, S.; Aubert, E.; Weiss, R.; Pale, P.; Mamane, V.*; Chankvetadze, B. *Comparative enantioseparation of chiral 4,4'-bipyridine derivatives on coated and immobilized amylose-based chiral stationary phases.* [*J. Chromatogr. A* **2020**, *1625*, 461303.](#)

71) Peluso, P.*; Mamane, V.; Dallochio, R.; Dessì, A.; Cossu, S. *Noncovalent interactions in high-performance liquid chromatography enantioseparations on polysaccharide-based chiral selectors.* [*J. Chromatogr. A* **2020**, *1623*, 461202.](#)

70) Dessì, A.; Peluso, P.*; Dallochio, R.; Weiss, R.; Andreotti, G.; Allocca, M.; Aubert, E.; Pale, P.; Mamane, V.*; Cossu, S. *Rational design, synthesis, characterization and evaluation of iodinated 4,4'-bipyridines as new transthyretin fibrillogenesis inhibitors.* [*Molecules* **2020**, *25*, 2212.](#)

69) Peluso, P.*; Mamane, V.*; Dessì, A.; Dallochio, R.; Aubert, E.; Gatti, C.; Mangelings, D.; Cossu, S. *Halogen bond in separation science: a critical analysis across experimental and theoretical results.* [*J. Chromatogr. A* **2020**, *1616*, 460788.](#)

2019

68) Weiss, R.; Aubert, E.; Peluso, P.*; Cossu, S.; Pale, P.; Mamane, V.* *Chiral Chalcogen Bond Donors Based on the 4,4'-Bipyridine Scaffold.* [Molecules 2019, 24, 4484.](#)

67) Pomar Fuentespina, R.; Garcia de la Cruz, J. A.; Durin, G.; Mamane, V.*; Weibel, J.-M.; Pale, P.* *Borylation and rearrangement of alkynyloxiranes: a stereospecific route to substituted α -enyne.* [Beilstein J. Org. Chem. 2019, 15, 1416.](#)

66) Peluso, P.*; Dessi, A.; Dallochio, R.; Mamane, V.; Cossu, S. *Recent studies of docking and molecular dynamics simulation for liquid-phase enantioseparations.* [Electrophoresis 2019, 40, 1881.](#)

2018

65) Allali, N.; Urbanova, V.; Etienne, M.; Devaux, X.; Mallet, M.; Vigolo, B.; Adjizian, J.-J.; Ewels, C.P.; Oberg, S.; Soldatov, A.V.; McRae, E.; Fort, Y.; Dossot, M.*; Mamane, V.* *Accurate control of the covalent functionalization of singlewalled carbon nanotubes for the electro-enzymatically controlled oxidation of biomolecules.* [Beilstein J. Nano. 2018, 9, 2750.](#)

64) Peluso, P.*; Gatti, C.; Dessi, A.; Dallochio, R.; Weiss, R.; Aubert, E.; Pale, P.; Cossu, S.; Mamane, V.* *Enantioseparation of fluorinated 3-arylthio-4,4'-bipyridines: Insights into chalcogen and π -hole bonds in high-performance liquid chromatography.* [J. Chromatogr. A 2018, 1567, 119.](#)

63) Dallochio, R.; Dessi, A.; Solinas, M.; Arras, A.; Cossu, S.; Aubert, E.; Mamane, V.*; Peluso, P.* *Halogen bond in high-performance liquid chromatography enantioseparations: Description, features and modelling.* [J. Chromatogr. A 2018, 1563, 71.](#)

62) Peluso, P.*; Mamane, V.*; Dallochio, R.; Dessi, A.; Villano, R.; Sanna, D.; Aubert, E.; Pale, P.; Cossu, S. *Polysaccharide-based chiral stationary phases as halogen bond acceptors: a novel strategy for detection of stereoselective σ -hole bonds in solution.* [J. Sep. Sci. 2018, 41, 1247.](#)

2017

61) Mamane, V.* *Cascade Reactions involving aromatic N-heterocycles: C-N bond formation as key-step towards the synthesis of N-fused polycyclic heterocycles.* [Curr. Org. Chem. 2017, 21, 1342.](#)

60) Peluso P.*; Mamane, V.; Aubert, E.; Cossu, S. *Recent trends and applications in liquid-phase chromatography enantioseparation of atropisomers.* [Electrophoresis 2017, 38, 1830.](#)

59) Voss, E.; Vigolo, B.*; Medjahdi, G.; Hérold, C.; Marêché, J.-F.; Ghanbaja, J.; Le Normand, F.; Mamane, V. *Covalent functionalization of polyhedral graphitic particles synthesized by arc discharge from graphite.* [Phys. Chem. Chem. Phys. 2017, 19, 5405.](#)

58) Aubert, E.*; Abboud, M.; Doudouh, A.; Durand, P.; Peluso, P.; Ligresti, A.; Vigolo, B.; Cossu, S.; Pale, P.; Mamane, V.* *Silver(I) coordination polymers with 3,3',5,5'-tetrasubstituted 4,4'-bipyridine ligands: towards new porous chiral materials.* [RSC Adv. 2017, 7, 7358.](#)

2016

57) Aubert, E.*; Doudouh, A.; Peluso P.; Mamane, V. *Channels with ordered water and bipyridine molecules in the porous coordination polymer $\{[Cu(SiF_6)(C_{10}N_2H_8)_2] \cdot 2C_{10}N_2H_8 \cdot 5H_2O\}_n$.* [Acta Cryst. 2016, E72, 1654.](#)

56) Blond, G.*; Gulea, M.*; Mamane, V.* *Recent contributions to hetero Diels-Alder reactions.* [Curr. Org. Chem. 2016, 20, 2161.](#)

55) Peluso, P.*; Mamane, V.*; Aubert, E.; Dessì, A.; Dallochio, R.; Dore, A.; Pale, P.; Cossu, S. *Insights into halogen bond-driven enantioseparations*. [*J. Chromatogr. A* **2016**, *1467*, 228.](#)

54) Mamane, V.*; Peluso, P.; Aubert, E.; Cossu, S.; Pale, P. *Chiral hexahalogenated 4,4'-bipyridines*. [*J. Org. Chem.* **2016**, *81*, 4576.](#)

53) Battie, Y.; Dossot, M.*; Allali, N.; Mamane, V.; En Naciri, A.; Broch, L.; Soldatov, A. V. *Mild covalent functionalization of single-walled carbon nanotubes highlighted by spectroscopic ellipsometry*. [*Carbon* **2016**, *96*, 557.](#)

2015

52) Peluso, P.*; Mamane, V.; Cossu, S. *Liquid chromatography enantioseparations of halogenated compounds on polysaccharide-based chiral stationary phases: role of halogen substituents in molecular recognition*. [*Chirality* **2015**, *27*, 667.](#)

51) Devaux, X.; Vigolo, B.; McRae, E.; Valsaque, F.; Allali, N.; Mamane, V.; Fort, Y.; Soldatov, A. V.; Dossot, M.; Tsareva, S. Y.* *Covalent functionalization of HiPco single-walled carbon nanotubes: differences in the oxidizing action of H₂SO₄ and HNO₃ during a soft oxidation process*. [*ChemPhysChem* **2015**, *16*, 2692.](#)

50) Chamas, Z.; Marchi, E.; Presson, B.; Aubert, E.; Fort, Y.; Ceroni, P.*; Mamane, V.* *Synthesis and solid-state fluorescence properties of pentacyclic 7-substituted-indeno[1',2':4,5]pyrido[2,1-a]isoindol-5-ones*. [*RSC Adv.* **2015**, *5*, 2715.](#)

2014

49) Peluso, P.*; Mamane, V.; Cossu, S. *Homochiral metal-organic frameworks and their applications in chromatography enantioseparations*. [*J. Chromatogr. A* **2014**, *1363*, 11.](#)

48) Peluso, P.*; Mamane, V.*; Aubert, E.; Cossu, S. *High-performance liquid chromatography enantioseparation of polyhalogenated 4,4'-bipyridines on polysaccharide-based chiral stationary phases under multimodal elution*. [*J. Sep. Sci.* **2014**, *37*, 2481.](#)

47) Mamane, V.*; Mercier, G.; Abdul Shukor, J.; Gleize, J.; Azizan, A.; Fort, Y.; Vigolo, B.* *Chemi- vs physisorption in the radical functionalization of single-walled carbon nanotubes under microwaves*. [*Beilstein J. Nanotechnol.* **2014**, *5*, 537.](#)

46) Peluso, P.*; Mamane, V.*; Aubert, E.; Cossu, S. *Insights into the impact of shape and electronic properties on the enantioseparation of polyhalogenated 4,4'-bipyridines on polysaccharide-type selectors. Evidence of stereoselective halogen bonding interactions*. [*J. Chromatogr. A* **2014**, *1345*, 182.](#)

2013

45) Urbanova, V.; Allali, N.; Ghach, W.; Mamane, V.; Etienne, M.*; Dossot, M.; Walcarius, A. *Functionalized carbon nanotubes for bioelectrochemical applications: Critical influence of the linker*. [*J. Electroanal. Chem.* **2013**, *707*, 129.](#)

44) Mamane, V.*; Chamas, Z.; Aubert, E.; Fort, Y. *Ag₂O mediated N-demethylation and oxidative opening of indenopyrido[2,1-a]isoindolones. Efficient access to polysubstituted 1-azafluorenones*. [*RSC Adv.* **2013**, *3*, 19110.](#)

43) Peluso, P.*; Mamane, V.; Aubert, E.; Cossu, S. *Optimization of the HPLC enantioseparation of 3,3'-dibromo-5,5'-disubstituted-4,4'-bipyridines using im-mobilized polysaccharide-based chiral stationary phases*. [*J. Sep. Sci.* **2013**, *36*, 2993.](#)

42) Mamane, V.*; Aubert, E.; Peluso, P.; Cossu, S. *Lithiation of prochiral 2,2'-dichloro-5,5'-dibromo-4,4'-bipyridine as a tool for the synthesis of chiral polyhalogenated 4,4'-bipyridines.* [*J. Org. Chem.* **2013**, *78*, 7683.](#)

41) Chamas, Z.; Marchi, E.; Modelli, A.; Fort, Y.; Ceroni, P.*; Mamane, V.* *Highly fluorescent, π -extended indenopyrido[2,1-*a*]isoindolone derivatives prepared by a palladium-catalysed cascade reaction.* [*Eur. J. Org. Chem.* **2013**, 2316.](#)

40) Allali, N.; Urbanova, V.; Etienne, M.; Mallet, M.; Devaux, X.; Vigolo, B.; Fort, Y.; Walcarius, A.; Noel, M.; McRae, E.; Soldatov, A. V.; Dossot, M.*; Mamane, V. *Electrocatalytic effect towards NADH induced by HiPco single-walled carbon nanotubes covalently functionalized by ferrocene derivatives.* MRS Online Proceedings Library (2013), 1531 (Low-Voltage Electron Microscopy and Spectroscopy for Materials Characterization), [2013.84/1-2013.84/6.](#)

39) Abboud, M.; Mamane, V.; Aubert, E.* *Energetic analysis of the molecular packing of 5,5'-dibromo-2,2'-bis[4-(methylsulfanyl)phenyl]-4,4'-bipyridine: the role of π - π and halogen interactions.* [*Acta Cryst., C* **2013**, *69*, 56.](#)

2012

38) Allali, N.; Urbanova, V.; Mamane, V.; Waldbock, J.; Etienne, M.; Mallet, M.; Devaux, X.; Vigolo, B.; Fort, Y.; Walcarius, A.; Noël, M.; Soldatov, A. V.; McRae, E.; Dossot, M.* *Covalent functionalization of few-wall carbon nanotubes by ferrocene derivatives for bioelectrochemical devices.* [*Phys. stat. sol. \(b\)* **2012**, *249*, 2349.](#)

37) Allali, N.; Urbanova, V.; Mamane, V.; Waldbock, J.; Etienne, M.; Mallet, M.; Devaux, X.; Vigolo, B.; Fort, Y.; Walcarius, A.; Noël, M.; Soldatov, A. V.; McRae, E.; Dossot, M.* *Few-layers carbon nanotubes covalently functionalized by ferrocene groups for bioelectrochemical devices.* [MRS Online Proceedings Library \(2012\), 1451\(Nanocarbon Materials and Devices\).](#)

36) Peluso, P.*; Mamane, V.*; Aubert, E.; Cossu, S. *High-performance liquid chromatography enantioseparation of atropisomeric 4,4'-bipyridines on polysaccharide-type chiral stationary phases: impact of substituents and electronic properties.* [*J. Chromatogr. A* **2012**, *1251*, 91.](#)

35) Allali, N.; Mamane, V.* *Al(OTf)₃ as a new efficient catalyst for the direct nucleophilic substitution of ferrocenyl alcohol substrates. Convenient preparation of ferrocenyl-PEG compounds.* [*Tetrahedron Lett.* **2012**, *53*, 2604.](#)

34) Mamane, V.*; Aubert, E.; Peluso, P.; Cossu, S. *Synthesis, resolution, and absolute configuration of chiral 4,4'-bipyridines.* [*J. Org. Chem.* **2012**, *77*, 2579.](#)

33) Abboud, M.; Aubert, E.; Mamane, V.* *Double N-arylation reaction of polyhalogenated 4,4'-bipyridines. expeditious synthesis of functionalized 2,7-diazacarbazoles.* [*Beilstein J. Org. Chem.* **2012**, *8*, 253.](#)

32) Wang, Z.; Etienne, M.*; Pöller, S.; Schuhmann, W.; Kohring, G.-W.; Mamane, V.; Walcarius, A. *Dehydrogenase-based reagentless biosensors: electrochemically assisted deposition of sol-gel thin films on functionalized carbon nanotubes.* [*Electroanal.* **2012**, *24*, 376.](#)

2011

31) Mases, M.; Noël, M.; Mercier, G.; Dossot, M.*; Vigolo, B.; Mamane, V.; Fort, Y.; Soldatov, A. V.; McRae, E. *Effects on raman spectra of functionalisation of single wall carbon nanotubes by nitric acid.* [*Phys. stat. sol. \(b\)* **2011**, *248*, 2552.](#)

30) Lejosne, J.; Mercier, G.; Mamane, V.; Fort, Y.; Marêché, J.-F.; McRae, E.; Valsaque, F.; Vigolo, B.* *Low degree of functionalization of single-walled carbon nanotubes probed by highly sensitive characterization techniques.* [*Carbon* **2011**, *49*, 3010.](#)

2010

29) Chamas, Z.; Dietz, O.; Aubert, E.; Fort, Y.; Mamane, V.* *Synthesis of new pentacyclic chromophores through a highly regio- and diastereoselective cascade process.* [*Org. Biomol. Chem.* **2010**, *8*, 4815.](#)

28) Abboud, M.; Kadimi, A.; Mamane, V.; Aubert, E.* *Conformational disorder in 4-(5,5'-dibromo-2'-chloro-[4,4']bipyridinyl-2-yl)-benzaldehyde: role of π - π and halogen interactions.* [*Acta Crystallogr., Sect. C* **2010**, *C66*, o381.](#)

27) Mamane, V.* *The diastereoselective ortho-lithiation of kagan's ferrocenyl acetal. generation and reactivity of chiral 2-substituted ferrocenecarboxaldehydes.* [*Tetrahedron: Asymmetry* **2010**, *21*, 1019.](#)

26) Abboud, M.; Mamane, V.*; Aubert, E.*; Lecomte, C.; Fort, Y. *Synthesis of polyhalogenated 4,4'-bipyridines via a simple dimerization procedure.* [*J. Org. Chem.* **2010**, *75*, 3224.](#)

25) Mamane, V.*; Louerat, F.; Fort, Y. *Direct functionalization of benzoquinolines.* [*Lett. Org. Chem.* **2010**, *7*, 90.](#)

2009

24) Louërat, F.; Fort, Y.; Mamane, V.* *Direct 1,4-difunctionalization of isoquinoline.* [*Tetrahedron Lett.* **2009**, *50*, 5716.](#)

23) Vigolo, B.*; Mamane, V.; Valsaque, F.; Le, T. N. H; Thabit, J.; Ghanbaja, J.; Aranda, L.; Fort, Y.; McRae, E. *Three-step procedure to chemically modify single-walled carbon nanotubes for nanocomposites processing.* [*Carbon* **2009**, *47*, 411.](#)

2008

22) Mamane, V.*; Louërat, F.; Iehl, J.; Abboud, M.; Fort, Y. *A general and efficient method for the synthesis of benzo-(iso)quinoline derivatives.* [*Tetrahedron* **2008**, *64*, 10699.](#)

21) Mamane, V.* *Metal-catalyzed cross-coupling reactions for ferrocene functionalization: recent applications in synthesis, material science and asymmetric catalysis.* [*MiniReviews in Org. Chem.* **2008**, *5*, 303.](#)

20) Liu, J.; Dossot, M.; Olevik, D.; Mamane, V.; Vigolo, B.; Abrahamsson, D.; Jonsson, H.; Fort, Y.; Humbert, B.; Soldatov, A. V.; McRae, E.* *Preferential fonctionnalisation of carbon nanotubes probed by Raman spectroscopy.* [*Physica E* **2008**, *40*, 2343.](#)

2007

19) Aubert, E.*; Mamane, V.*; Fort, Y. *S-Methyl 5-methylpyrazine-2-carbothioate.* [*Acta Cryst. E* **2007**, *63*, 4306.](#)

18) Dossot, M.*; Gardien, F.; Mamane, V.; Fort, Y.; Liu, J.; Vigolo, B.; Humbert, B.; McRae, E. *Optical parameter to reveal the interplay between covalent functionalization and the state of aggregation of single-walled carbon nanotubes.* [*J. Phys. Chem. C.* **2007**; *111*, 12199.](#)

17) Mamane, V.*; Aubert, E.; Fort, Y. *The methyl group as a source of structural diversity in heterocyclic chemistry: side-chain functionalization of picolines and related heterocycles.* [*J. Org. Chem.* **2007**, *72*, 7294.](#)

16) Mamane, V.; Garcia, A. B.; Lessmann, T.; Umarye, J. D.; Sommer, S.; Waldmann, H.* *Stereoselective allylation of aldehydes on solid support and its application for the synthesis of compound collections for biology oriented synthesis.* [*Tetrahedron* **2007**, *63*, 5754.](#)

15) Umarye, J. D.; Lessmann, T.; Garcia, A. B.; Mamane, V.; Sommer, S.; Waldmann, H.* *Biology-oriented synthesis of stereochemically diverse natural-product-derived compound collections by iterative allylations on a solid support.* [*Chem. Eur. J.* **2007**, *13*, 3305.](#)

2006

14) Mamane, V.* *Palladium-catalyzed one-pot multiple bond formation in nitrogen-containing polyheterocycles synthesis.* *Targets in Heterocyclic Systems. Chemistry and Properties* **2006**, *10*, 197

13) Garcia, A. B.; Lessmann, T.; Umarye, J. D.; Mamane, V.; Sommer, S.; Waldmann, H.* *Stereocomplementary synthesis of a natural product-derived compound collection on a solid phase.* [*Chem. Commun.* **2006**, 3868.](#)

12) Mamane, V.*; Fort, Y. *A cascade process toward the synthesis of fused polycyclic dihydropyridines.* [*Tetrahedron Lett.* **2006**, *47*, 2337.](#)

11) Fürstner, A.*; Mamane, V.; Seidel, G.; Laurich, D. *Indium-catalyzed cycloisomerization: preparation of 4-methylpyrrolo[1,2-a]quinolone.* [*Org. Synth.* **2006**, *83*, 103.](#)

2005

10) Mamane, V.*; Fort, Y.* *Convenient access to new chiral ferroceno-(iso)quinolines.* [*J. Org. Chem.* **2005**, *70*, 8220.](#)

2004

9) Mamane, V.; Hannen, P.; Fürstner, A.* *Synthesis of phenanthrenes and polycyclic heteroarenes by transition-metal catalyzed cycloisomerization reaction.* [*Chem. Eur. J.* **2004**, *10*, 4556.](#)

8) Mamane, V.; Gress, T.; Krause, H.; Fürstner, A.* *Platinum- and gold-catalyzed cycloisomerization reactions of hydroxylated enynes.* [*J. Am. Chem. Soc.* **2004**, *126*, 8654.](#)

7) Mamane, V.; Gref, A.; Riant, O.* *Functionalised polyferrocene complexes: synthesis and mixed-valency properties.* [*New J. Chem.* **2004**, *28*, 585.](#)

2003

6) Fürstner, A.*; Mamane, V. *Concise total synthesis of the aporphine alkaloid 7,7'-bisdehydro-*o*-methylisopiline by an InCl₃ mediated cycloisomerization reaction.* [*Chem. Comm.* **2003**, 2112.](#)

5) Méndez, M.; Mamane, V.; Fürstner, A.* *Platinum-catalyzed skeletal rearrangement reactions: generating structural diversity by a uniform mechanism.* *Chemtracts–Org. Chem.* **2003**, *16*, 397.

4) Mamane, V.; Ledoux-Rak, I.; Deveau, S.; Zyss, J.; Riant, O.* *Palladium-catalysed cross-coupling reaction of a chiral ferrocenyl zinc reagent with aromatic bromides: application to the design of chiral octupoles for second harmonic generation.* [*Synthesis* **2003**, *3*, 455.](#)

2002

3) Fürstner, A.*; Mamane, V. *Flexible synthesis of phenanthrenes by a PtCl₂-catalyzed cycloisomerization reaction.* [*J. Org. Chem.* **2002**, *67*, 6264.](#)

2001

2) Mamane, V.; Le Floch, F.; Gref, A.; Riant, O.* [2+2+2] Cyclotrimerisation of bisaryl acetylene bearing ferrocenyl units with planar chirality: synthesis of enantiopure polyferrocene complexes. [*J. Organomet. Chem.* **2001**, 637-639, 84.](#)

1) Mamane, V.; Riant, O.* Asymmetric synthesis of chiral ferrocenylfulleropyrrolidines as potential building block for new materials. [*Tetrahedron* **2001**, 57, 2555.](#)