

Victor Mamane

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84
papers

2,618
citations

22
h-index

50
g-index

104
ext. papers

2,916
ext. citations

4
avg, IF

5.22
L-index

#	Paper	IF	Citations
84	Synthesis of phenanthrenes and polycyclic heteroarenes by transition-metal catalyzed cycloisomerization reactions. <i>Chemistry - A European Journal</i> , 2004 , 10, 4556-75	4.8	532
83	Platinum- and gold-catalyzed cycloisomerization reactions of hydroxylated enynes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8654-5	16.4	507
82	Flexible synthesis of phenanthrenes by a PtCl ₂ -catalyzed cycloisomerization reaction. <i>Journal of Organic Chemistry</i> , 2002 , 67, 6264-7	4.2	306
81	Concise total synthesis of the aporphine alkaloid 7,7'-bisdehydro-O-methylisopiline by an InCl ₃ mediated cycloisomerization reaction. <i>Chemical Communications</i> , 2003 , 2112-3	5.8	111
80	Homochiral metal-organic frameworks and their application in chromatography enantioseparations. <i>Journal of Chromatography A</i> , 2014 , 1363, 11-26	4.5	67
79	Biology-oriented synthesis of stereochemically diverse natural-product-derived compound collections by iterative allylations on a solid support. <i>Chemistry - A European Journal</i> , 2007 , 13, 3305-19	4.8	59
78	Recent Contributions to Hetero Diels-Alder Reactions. <i>Current Organic Chemistry</i> , 2016 , 20, 2161-2210	1.7	53
77	Evidence of sidewall covalent functionalization of single-walled carbon nanotubes and its advantages for composite processing. <i>Carbon</i> , 2009 , 47, 411-419	10.4	52
76	Stereocomplementary synthesis of a natural product-derived compound collection on a solid phase. <i>Chemical Communications</i> , 2006 , 3868-70	5.8	42
75	Convenient access to new chiral ferroceno-(iso)quinolines. <i>Journal of Organic Chemistry</i> , 2005 , 70, 8220-3	4.2	33
74	Stereoselective allylation of aldehydes on solid support and its application in biology-oriented synthesis (BIOS). <i>Tetrahedron</i> , 2007 , 63, 5754-5767	2.4	32
73	Asymmetric synthesis of chiral ferrocenyl fulleropyrrolidines as potential building blocks for new materials. <i>Tetrahedron</i> , 2001 , 57, 2555-2561	2.4	32
72	Synthesis of polyhalogenated 4,4'-bipyridines via a simple dimerization procedure. <i>Journal of Organic Chemistry</i> , 2010 , 75, 3224-31	4.2	31
71	Insights into halogen bond-driven enantioseparations. <i>Journal of Chromatography A</i> , 2016 , 1467, 228-238	4.5	30
70	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. <i>Journal of Chromatography A</i> , 2014 , 1345, 182-92	4.5	30
69	The methyl group as a source of structural diversity in heterocyclic chemistry: side chain functionalization of picolines and related heterocycles. <i>Journal of Organic Chemistry</i> , 2007 , 72, 7294-300	4.2	30
68	A general and efficient method for the synthesis of benzo-(iso)quinoline derivatives. <i>Tetrahedron</i> , 2008 , 64, 10699-10705	2.4	29

67	Liquid chromatography enantioseparations of halogenated compounds on polysaccharide-based chiral stationary phases: role of halogen substituents in molecular recognition. <i>Chirality</i> , 2015 , 27, 667-84 ^{2.1}	28
66	Metal-Catalyzed Cross-Coupling Reactions for Ferrocene Functionalization: Recent Applications in Synthesis, Material Science and Asymmetric Catalysis. <i>Mini-Reviews in Organic Chemistry</i> , 2008 , 5, 303-312 ^{1.7}	27
65	Noncovalent interactions in high-performance liquid chromatography enantioseparations on polysaccharide-based chiral selectors. <i>Journal of Chromatography A</i> , 2020 , 1623, 461202	4.5 27
64	Polysaccharide-based chiral stationary phases as halogen bond acceptors: A novel strategy for detection of stereoselective H-bonds in solution. <i>Journal of Separation Science</i> , 2018 , 41, 1247-1256 ^{3.4}	27
63	Dehydrogenase-Based Reagentless Biosensors: Electrochemically Assisted Deposition of Sol-Gel Thin Films on Functionalized Carbon Nanotubes. <i>Electroanalysis</i> , 2012 , 24, 376-385	3 25
62	High-performance liquid chromatography enantioseparation of atropisomeric 4,4'-bipyridines on polysaccharide-type chiral stationary phases: Impact of substituents and electronic properties. <i>Journal of Chromatography A</i> , 2012 , 1251, 91-100	4.5 22
61	Halogen bond in high-performance liquid chromatography enantioseparations: Description, features and modelling. <i>Journal of Chromatography A</i> , 2018 , 1563, 71-81	4.5 22
60	The diastereoselective ortho-lithiation of Kagan's ferrocenyl acetal. Generation and reactivity of chiral 2-substituted ferrocenecarboxaldehydes. <i>Tetrahedron: Asymmetry</i> , 2010 , 21, 1019-1029	21
59	Synthesis, resolution, and absolute configuration of chiral 4,4'-bipyridines. <i>Journal of Organic Chemistry</i> , 2012 , 77, 2579-83	4.2 20
58	A cascade process toward the synthesis of fused polycyclic dihydropyridines. <i>Tetrahedron Letters</i> , 2006 , 47, 2337-2340	2 20
57	Recent studies of docking and molecular dynamics simulation for liquid-phase enantioseparations. <i>Electrophoresis</i> , 2019 , 40, 1881-1896	3.6 19
56	Optimization of the HPLC enantioseparation of 3,3'-dibromo-5,5'-disubstituted-4,4'-bipyridines using immobilized polysaccharide-based chiral stationary phases. <i>Journal of Separation Science</i> , 2013 , 36, 2993-3003	3.4 19
55	Direct 1,4-difunctionalization of isoquinoline. <i>Tetrahedron Letters</i> , 2009 , 50, 5716-5718	2 19
54	Chiral Chalcogen Bond Donors Based on the 4,4'-Bipyridine Scaffold. <i>Molecules</i> , 2019 , 24,	4.8 19
53	Enantioseparation of fluorinated 3-arylthio-4,4'-bipyridines: Insights into chalcogen and H-bonds in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2018 , 1567, 119-129	4.5 16
52	Highly Fluorescent, Extended Indenopyrido[2,1-a]isoindolone Derivatives Prepared by a Palladium-Catalysed Cascade Reaction. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 2316-2324	3.2 15
51	Disubstituted Ferrocenyl Iodo- and Chalcogenoalkynes as Chiral Halogen and Chalcogen Bond Donors. <i>Organometallics</i> , 2020 , 39, 3936-3950	3.8 15
50	Chiral Hexahalogenated 4,4'-Bipyridines. <i>Journal of Organic Chemistry</i> , 2016 , 81, 4576-87	4.2 15

49	Recent trends and applications in liquid-phase chromatography enantioseparation of atropisomers. <i>Electrophoresis</i> , 2017 , 38, 1830-1850	3.6	14
48	[2+2+2] Cyclootrimerisation of bisaryl acetylene bearing ferrocenyl units with planar chirality: synthesis of enantiopure conjugated polyferrocene complexes. <i>Journal of Organometallic Chemistry</i> , 2001 , 637-639, 84-88	2.3	14
47	Lithiation of prochiral 2,2'-dichloro-5,5'-dibromo-4,4'-bipyridine as a tool for the synthesis of chiral polyhalogenated 4,4'-bipyridines. <i>Journal of Organic Chemistry</i> , 2013 , 78, 7683-9	4.2	13
46	Halogen bond in separation science: A critical analysis across experimental and theoretical results. <i>Journal of Chromatography A</i> , 2020 , 1616, 460788	4.5	13
45	Low degree of functionalization of Single-Walled Carbon Nanotubes probed by highly sensitive characterization techniques. <i>Carbon</i> , 2011 , 49, 3010-3018	10.4	12
44	Silver(I) coordination polymers with 3,3',5,5'-tetrasubstituted 4,4'-bipyridine ligands: towards new porous chiral materials. <i>RSC Advances</i> , 2017 , 7, 7358-7367	3.7	11
43	Comparative enantioseparation of chiral 4,4'-bipyridine derivatives on coated and immobilized amylose-based chiral stationary phases. <i>Journal of Chromatography A</i> , 2020 , 1625, 461303	4.5	11
42	High-performance liquid chromatography enantioseparation of polyhalogenated 4,4'-bipyridines on polysaccharide-based chiral stationary phases under multimodal elution. <i>Journal of Separation Science</i> , 2014 , 37, 2481-9	3.4	11
41	INDIUM-CATALYZED CYCLOISOMERIZATION: PREPARATION OF 4-METHYLPYRROLO[1,2-a]QUINOLINE. <i>Organic Syntheses</i> , 2006 , 83, 103	1.2	11
40	Chalcogen-Bonding Catalysis with Telluronium Cations. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19281-19286	16.4	11
39	Al(OTf) ₃ as a new efficient catalyst for the direct nucleophilic substitution of ferrocenyl alcohol substrates. Convenient preparation of ferrocenyl-PEG compounds. <i>Tetrahedron Letters</i> , 2012 , 53, 2604-2607	2	10
38	Chemi- vs physisorption in the radical functionalization of single-walled carbon nanotubes under microwaves. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 537-45	3	10
37	Covalent functionalization of few-wall carbon nanotubes by ferrocene derivatives for bioelectrochemical devices. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 2349-2352	1.3	10
36	Double N-arylation reaction of polyhalogenated 4,4'-bipyridines. Expedious synthesis of functionalized 2,7-diazacarbazoles. <i>Beilstein Journal of Organic Chemistry</i> , 2012 , 8, 253-8	2.5	10
35	Cascade Reactions Involving Aromatic N-Heterocycles: C-N Bond Formation as Key-step Towards the Synthesis of N-fused Polycyclic Heterocycles. <i>Current Organic Chemistry</i> , 2017 , 21,	1.7	9
34	Rational Design, Synthesis, Characterization and Evaluation of Iodinated 4,4'-Bipyridines as New Transthyretin Fibrillogenesis Inhibitors. <i>Molecules</i> , 2020 , 25,	4.8	8
33	Functionalized carbon nanotubes for bioelectrochemical applications: Critical influence of the linker. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 707, 129-133	4.1	8
32	Synthesis of new pentacyclic chromophores through a highly regio- and diastereoselective cascade process. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 4815-8	3.9	7

31	Optical Parameter to Reveal the Interplay between Covalent Functionalization and the State of Aggregation of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12199-12206	3.8	6
30	Preferential functionalisation of carbon nanotubes probed by Raman spectroscopy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 2343-2346	3	6
29	Factors Impacting π and π -Hole Regions as Revealed by the Electrostatic Potential and Its Source Function Reconstruction: The Case of 4,4'-Bipyridine Derivatives. <i>Molecules</i> , 2020 , 25,	4.8	6
28	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. <i>Molecules</i> , 2021 , 26,	4.8	6
27	Synthesis and solid-state fluorescence properties of pentacyclic 7-substituted-indeno[1,2-g:4,5]pyrido[2,1-a]isoindol-5-ones. <i>RSC Advances</i> , 2015 , 5, 2715-2723	3.7	4
26	Covalent functionalization of HiPco single-walled carbon nanotubes: differences in the oxidizing action of H ₂ SO ₄ and HNO ₃ during a soft oxidation process. <i>ChemPhysChem</i> , 2015 , 16, 2692-701	3.2	4
25	Functionalised polyferrocene complexes: synthesis and mixed-valency properties. <i>New Journal of Chemistry</i> , 2004 , 28, 585	3.6	4
24	Mild covalent functionalization of single-walled carbon nanotubes highlighted by spectroscopic ellipsometry. <i>Carbon</i> , 2016 , 96, 557-564	10.4	3
23	Effects on Raman spectra of functionalisation of single walled carbon nanotubes by nitric acid. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 2552-2555	1.3	3
22	Direct Functionalization of Benzoquinolines. <i>Letters in Organic Chemistry</i> , 2010 , 7, 90-93	0.6	3
21	Conformational disorder in 4-(5,5'-dibromo-2'-chloro-4,4'-bipyridyl-2-yl)benzaldehyde: role of pi-pi and halogen interactions. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010 , 66, 0381-4		3
20	Enantioseparations of polyhalogenated 4,4'-bipyridines on polysaccharide-based chiral stationary phases and molecular dynamics simulations of selector-selectand interactions. <i>Electrophoresis</i> , 2021 , 42, 1853-1863	3.6	3
19	Accurate control of the covalent functionalization of single-walled carbon nanotubes for the electro-enzymatically controlled oxidation of biomolecules. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 2750-2762	3	3
18	Chalcogen-Bonding Catalysis with Telluronium Cations. <i>Angewandte Chemie</i> , 2021 , 133, 19430-19435	3.6	3
17	Insight into the Modes of Activation of Pyridinium and Bipyridinium Salts in Non-Covalent Organocatalysis. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 4779	5.6	3
16	Covalent functionalization of polyhedral graphitic particles synthesized by arc discharge from graphite. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 5405-5410	3.6	2
15	Comparative enantioseparation of planar chiral ferrocenes on polysaccharide-based chiral stationary phases.. <i>Chirality</i> , 2022 ,	2.1	2
14	Chiral Ferrocenyl-1,2,3-triazoles and 1,2,3-triazoliums as Halogen Bond Donors. Synthesis, Solid State Analysis and Catalytic Properties.. <i>European Journal of Inorganic Chemistry</i> , 2022 , 2022,	2.3	2

- 13 Ag₂O mediated N-demethylation and oxidative opening of indenopyrido[2,1-a]isoindolones. Efficient access to polysubstituted 1-azafluorenones. *RSC Advances*, **2013**, 3, 19110 3.7 1
- 12 Electrocatalytic effect towards NADH induced by HiPco single-walled carbon nanotubes covalently functionalized by ferrocene derivatives. *Materials Research Society Symposia Proceedings*, **2013**, 1531, 1 1
- 11 Exploring interaction modes between polysaccharide-based selectors and biologically active 4,4'-bipyridines by experimental and computational analysis. *Journal of Chromatography Open*, **2022**, 2, 100030 1
- 10 Channels with ordered water and bipyridine molecules in the porous coordination polymer {[Cu(SiF)(CHN)]₂CNH₂HO}. *Acta Crystallographica Section E: Crystallographic Communications*, **2016**, 72, 1654-1658 0.7 1
- 9 Convenient Access to Functionalized Non-Symmetrical Atropisomeric 4,4'-Bipyridines. *Compounds*, **2021**, 1, 58-74 1
- 8 Functionalized 4,4'-Bipyridines: Synthesis and 2D Organization on Highly Oriented Pyrolytic Graphite. *Journal of Organic Chemistry*, **2021**, 86, 3356-3366 4.2 1
- 7 Indium-Catalyzed Cycloisomerization: Preparation of 4-Methylpyrrolo[1,2-a]quinoline **2006**, 103-110 1
- 6 Borylation and rearrangement of alkynylloxiranes: a stereospecific route to substituted Enynes. *Beilstein Journal of Organic Chemistry*, **2019**, 15, 1416-1424 2.5 0
- 5 Deciphering the Role of Noncovalent Interactions in the Conformations of Dibenzo-1,5-dichalcogenocines. *ChemPlusChem*, **2022**, e202100518 2.8 0
- 4 Unravelling functions of halogen substituents in the enantioseparation of halogenated planar chiral ferrocenes on polysaccharide-based chiral stationary phases: experimental and electrostatic potential analyses. *Journal of Chromatography A*, **2022**, 1673, 463097 4.5 0
- 3 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 Crystallographica Section C: Crystal Structure Communications*, **2013**, 69, 56-60 1
- 2 Few-wall carbon nanotubes covalently functionalized by ferrocene groups for bioelectrochemical devices. *Materials Research Society Symposia Proceedings*, **2012**, 1451, 111-116 1
- 1 S-Methyl 5-methylpyrazine-2-carbothioate. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o4306-o4307 1