Ferenc Faigl

List of Publications by Year
in descending order

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111 papers	1,544 citations	331670 21 h-index	395702 33 g-index
128 all docs	128 docs citations	128 times ranked	1237 citing authors

#	Article	IF	Citations
1	Multistep batch-flow hybrid synthesis of a terbinafine precursor. Journal of Flow Chemistry, 2022, 12, 51-57.	1.9	1
2	Regio- and Diastereoselective Synthesis of 2-Arylazetidines: Quantum Chemical Explanation of Baldwinâ€™s Rules for the Ring-Formation Reactions of Oxiranes. Journal of Organic Chemistry, 2020, 85, 11226-11239.	3.2	11
3	Diastereoselective synthesis of cis-N-Boc-4-aminocyclohexanol with reductive ring opening method using continuous flow. Journal of Flow Chemistry, 2019, 9, 13-17.	1.9	4
4	Chemoselective Strategy for the Direct Formation of Tetrahydro-2,5-methanobenzo[c]azepines or Azetotetrahydroisoquinolines via Regio- and Stereoselective Reactions. Journal of Organic Chemistry, 2019, 84, 7100-7112.	3.2	4
5	Copper-facilitated Suzuki-Miyaura coupling for the preparation of 1,3-dioxolane-protected 5-arylthiophene-2-carboxaldehydes. Tetrahedron, 2018, 74, 2002-2008.	1.9	5
6	Access to Fluorazones by Intramolecular Dehydrative Cyclization of Aromatic Tertiary Amides: A Synthetic and Mechanistic Study. Journal of Organic Chemistry, 2018, 83, 2282-2292.	3.2	20
7	Effect of Regioisomerism on the Efficiency of 1-Phenylpyrrole-Type Atropisomeric Amino Alcohol Ligands in Enantioselective Organometallic Reactions. Synlett, 2018, 29, 2171-2175.	1.8	4
8	Continuous end-to-end production of solid drug dosage forms: Coupling flow synthesis and formulation by electrospinning. Chemical Engineering Journal, 2018, 350, 290-299.	12.7	57
9	A Novel One-pot Benzimidazole Ring Formation via a Continuous Flow Selective Reductive Cyclization Method. Current Organic Chemistry, 2018, 22, 1940-1944.	1.6	0
10	Synthesis and Investigation of Solarâ€Cell Photosensitizers Having a Fluorazone Backbone. European Journal of Organic Chemistry, 2017, 2017, 1843-1854.	2.4	15
11	Z- and E-selective Hornerâ€“Wadsworthâ€“Emmons reactions. Synthetic Communications, 2017, 47, 1214-1224.	2.1	6
12	Continuous Synthesis and Purification by Coupling a Multistep Flow Reaction with Centrifugal Partition Chromatography. Angewandte Chemie, 2017, 129, 8868-8871.	2.0	2
13	Continuous Synthesis and Purification by Coupling a Multistep Flow Reaction with Centrifugal Partition Chromatography. Angewandte Chemie - International Edition, 2017, 56, 8742-8745.	13.8	30
14	The route from problem to solution in multistep continuous flow synthesis of pharmaceutical compounds. Bioorganic and Medicinal Chemistry, 2017, 25, 6180-6189.	3.0	78
15	Mechanistic Study on the Acylation ofBis(2,2,2-Trifluoroethyl) Methylphosphonate by Carboxylic Esters. ChemistrySelect, 2017, 2, 7723-7734.	1.5	1
16	Environmentally Friendly Synthesis of Indoline Derivatives using Flowâ€Chemistry Techniques. European Journal of Organic Chemistry, 2017, 2017, 6525-6532.	2.4	9
17	A Green Process for the Preparation of Bis(2,2,2-trifluoroethyl) Methylphosphonate. Organic Process Research and Development, 2017, 21, 1985-1989.	2.7	1
18	A novel and convenient method for the preparation of 5-(diphenylmethylene)-1 H -pyrrol-2(5 H)-ones; synthesis and mechanistic study. Tetrahedron, 2016, 72, 5444-5455.	1.9	8

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19	Selecting Resolving Agents with Respect to Their Eutectic Compositions. Chirality, 2016, 28, 230-234.	2.6	4
20	An aspect of selecting resolving agents: The role of differences in molecule length in diastereomeric salt resolutions. Separation Science and Technology, 2016, 51, 727-732.	2.5	2
21	The pH-dependency of Diastereomeric Salt Resolutions with Amphoteric Resolving Agents. Journal of Chemical Research, 2016, 40, 21-25.	1.3	4
22	Regularities between Separations of Enantiomeric and Diastereoisomeric Mixtures. Prediction of the Efficiency of Diastereomeric/ Enantiomeric Separations on the Basis of Behaviour of Enantiomeric Mixtures. Periodica Polytechnica: Chemical Engineering, 2015, 59, 26-37.	1.1	4
23	New Atropisomeric Amino Alcohol Ligands for Enantioselective Addition of Diethylzinc to Aldehydes. Chirality, 2015, 27, 216-222.	2.6	7
24	A Convenient Procedure for the Synthesis of 2,2,2-Trifluoroethyl Methyl 2-Oxoalkylphosphonates. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 677-680.	1.6	5
25	Synthesis and Application of New, Optically Active Compounds as Catalysts and Ligands in Enantioselective Reactions. Periodica Polytechnica: Chemical Engineering, 2015, 59, 38-50.	1.1	5
26	Non-linear effects in the enantiomeric separation of mandelic acid using the mixtures of amphoteric resolving agents. Tetrahedron: Asymmetry, 2015, 26, 721-731.	1.8	5
27	Racemization-free synthesis of atropisomeric 1-phenylpyrrole based diamines using diphenylphosphoryl azide. Tetrahedron: Asymmetry, 2015, 26, 738-745.	1.8	2
28	A practical process for the preparation of bis(2,2,2-trifluoroethyl) 2-oxoalkylphosphonates by acylation with carboxylic esters. Tetrahedron Letters, 2015, 56, 4877-4879.	1.4	7
29	Steric and electronic tuning of atropisomeric amino alcohol type ligands with a 1-arylpyrrole backbone. Tetrahedron: Asymmetry, 2015, 26, 593-599.	1.8	15
30	A Practical Route for the Preparation of Bis(2,2,2-trifluoroethyl) 2-Oxoalkylphosphonates. Synthesis, 2015, 47, 1085-1090.	2.3	6
31	Synthesis of new, optically active 1-(substituted aryl)pyrrole derivatives via atropisomerism directed diastereoselective metalation. Arkivoc, 2015, 2015, 80-96.	0.5	0
32	Synthesis of (S)-(+)-2-(N-benzylamino)butan-1-ol from its Schiff Base by Catalytic Hydrogenation over Palladium. Current Green Chemistry, 2015, 2, 312-318.	1.1	1
33	Enzyme-catalyzed kinetic resolution of N-Boc-trans-3-hydroxy-4-phenylpyrrolidine. Open Chemistry, 2014, 12, 25-32.	1.9	2
34	A new pyrrolidine-derived atropisomeric amino alcohol as a highly efficient chiral ligand for the asymmetric addition of diethylzinc to aldehydes. Tetrahedron Letters, 2014, 55, 6891-6894.	1.4	28
35	Prediction of the efficiency of diastereoisomer separation on the basis of the behaviour of enantiomeric mixtures. RSC Advances, 2014, 4, 21254-21261.	3.6	16
36	Hydrogenolysis of N- and O-protected hydroxyazetidines over palladium: Efficient and selective methods for ring opening and deprotecting reactions. Journal of Molecular Catalysis A, 2014, 395, 217-224.	4.8	9

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37	Solid state structural relation and binary melting phase diagram of (S-) and racemic 2-(2-nitro-1-phenylethyl)-1,3-diphenyl-propane-1,3-dione. Thermochimica Acta, 2014, 580, 46-52.	2.7	7
38	A new xantphos-type ligand and its gold(I) complexes: Synthesis, structure, luminescence. Polyhedron, 2013, 55, 57-66.	2.2	7
39	Novel stereoselective synthesis of 1,2,3-trisubstituted azetidines. Tetrahedron: Asymmetry, 2012, 23, 1607-1614.	1.8	11
40	Synthesis of atropisomeric 1â€phenylpyrroleâ€derived amino alcohols: New chiral ligands. Chirality, 2012, 24, 532-542.	2.6	14
41	Useful, regioflexible methods for functionalization of 1-phenylpyrrole derivatives. Tetrahedron, 2012, 68, 4259-4266.	1.9	8
42	Diastereoselective Synthesis of Novel Optically Active Five Membered O- and N-heterocyclic Compounds. Letters in Organic Chemistry, 2012, 9, 81-88.	0.5	1
43	Ring Transformation of Unsaturated N-Bridgehead Fused Pyrimidin-4(3H)-ones: Role of Repulsive Electrostatic Nonbonded Interaction. Journal of Organic Chemistry, 2011, 76, 696-699.	3.2	4
44	Resolution of 1-[2-carboxy-6-(trifluoromethyl)phenyl]-1H-pyrrole-2-carboxylic acid with methyl (R)-2-phenylglycinate, reciprocal resolution and second order asymmetric transformation. Tetrahedron: Asymmetry, 2011, 22, 1879-1884.	1.8	20
45	Hydrogenolysis of N-protected aminooxetanes over palladium: An efficient method for a one-step ring opening and debenzylation reaction. Journal of Molecular Catalysis A, 2011, 339, 32-36.	4.8	9
46	The influence of molecular structure and crystallization time on the efficiency of diastereoisomeric salt forming resolutions. Tetrahedron: Asymmetry, 2010, 21, 2429-2434.	1.8	14
47	Synthesis and resolution of 4,4,6,6-tetramethyl-4H,6H-pyrrolo[1,2-a][4,1]benzoxazepine-1,10-dicarboxylic acid. Tetrahedron: Asymmetry, 2010, 21, 2920-2924.	1.8	2
48	Manufacturing Synthesis of 5-Substituted Phthalides. Organic Process Research and Development, 2010, 14, 617-622.	2.7	28
49	Separation of non-racemic mixtures of enantiomers: an essential part of optical resolution. Organic and Biomolecular Chemistry, 2010, 8, 947.	2.8	49
50	Synthesis of Halogenated 4H-Pyrido[1,2-a]pyrimidin-4-ones. Heterocycles, 2009, 78, 2477.	0.7	12
51	Synthesis and optical resolution of 1â€[(3â€carboxyâ€1,1â€²â€biphenyl)â€2â€yl]â€1Hâ€pyrroleâ€2â€carboxylic acid. Chirality, 2009, 21, 905-910.	2.6	5
52	Efficient synthesis of optically active 1-(2-carboxymethyl-6-ethylphenyl)-1H-pyrrole-2-carboxylic acid: a novel atropisomeric 1-arylpyrrole derivative. Tetrahedron: Asymmetry, 2009, 20, 98-103.	1.8	15
53	Hydrogenolysis of O-protected hydroxyoxetanes over palladium: An efficient method for a one-step ring opening and detritylation reaction. Catalysis Communications, 2009, 10, 635-639.	3.3	8
54	Strategies in optical resolution: a practical guide. Tetrahedron: Asymmetry, 2008, 19, 519-536.	1.8	151

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55	Synthesis and stereochemical stability of new atropisomeric 1-(substituted phenyl)pyrrole derivatives. Tetrahedron, 2008, 64, 1371-1377.	1.9	21
56	A rational synthesis of trans-2-(3-phenylprop-1-yl)cyclohexylamino-2-oxazoline enantiomers. Tetrahedron: Asymmetry, 2008, 19, 773-778.	1.8	2
57	Novel Methods for the Separation of Optical Isomers. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2008, , 295-315.	0.1	2
58	Synthesis and enantioselective rearrangement of (Z)-4-triphenylmethoxy-2,3-epoxybutan-1-ol enantiomers. Chirality, 2007, 19, 197-202.	2.6	10
59	Solvent dependency though not solvate formation in the derivativeâ€“derivative resolution of N-formylphenylalanine. Tetrahedron: Asymmetry, 2007, 18, 2531-2536.	1.8	5
60	Synthesis of 8,9-dialkoxybenzodiazepines and 7,8-dialkoxyisoquinolines. Journal of Heterocyclic Chemistry, 2006, 43, 1539-1547.	2.6	6
61	Organometallic Approach to the Functionalization of Alkyl Groups Containing 1â€Phenylpyrroles. Synthetic Communications, 2006, 36, 2841-2849.	2.1	8
62	Advantages of Structural Similaritiesof the Reactants in Optical Resolution Processes. Topics in Current Chemistry, 2006, 269, 133-157.	4.0	5
63	Efficient, scalable kinetic resolution of cis-4-benzyloxy-2,3-epoxybutanol. Tetrahedron: Asymmetry, 2005, 16, 3841-3847.	1.8	10
64	Convenient methods for the synthesis of d4, d2 and d6 isotopomers of 4-(4-fluorobenzyl)piperidine. Journal of Labelled Compounds and Radiopharmaceuticals, 2005, 48, 421-427.	1.0	5
65	Convenient, Benign and Scalable Synthesis of 2- and 4-Substituted Benzylpiperidines. European Journal of Organic Chemistry, 2004, 2004, 3623-3632.	2.4	19
66	A Facile Synthesis of 3-(Substituted benzyl)piperidines.. ChemInform, 2004, 35, no.	0.0	0
67	Convenient, Benign and Scalable Synthesis of 2- and 4-Substituted Benzylpiperidines.. ChemInform, 2004, 35, no.	0.0	0
68	Structure determination and molecular modelling of an unexpected side product of a cyclopropane lactone formation process. Journal of Molecular Structure, 2004, 691, 259-264.	3.6	1
69	Hydrogenation of a 4-benzylpyridine derivative over supported precious metal catalysts. Applied Catalysis A: General, 2004, 269, 249-253.	4.3	6
70	Optical resolution via complex formation with O,O'-dibenzoyltataric acid. , 2004, , 73-101.		6
71	Combined Directed ortho Metalationâ€”Intramolecular Friedelâ€”Crafts Connections. Regiospecific Route to 1-Substituted Fluoren-9-ones.. ChemInform, 2003, 34, no.	0.0	0
72	A facile synthesis of 3-(substituted benzyl)piperidines. Tetrahedron, 2003, 59, 7897-7900.	1.9	12

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73	Resolution and enantioselective rearrangements of amino group-containing oxiranyl ethers. Tetrahedron: Asymmetry, 2002, 13, 59-68.	1.8	16
74	Combined directed ortho metalationâ€"intramolecular Friedelâ€"Crafts connections. Regiospecific route to 1-substituted fluoren-9-ones. Tetrahedron Letters, 2002, 43, 8347-8350.	1.4	19
75	Solvent and ligand effects on selective mono- and dilithiation of 1-(chlorophenyl)pyrroles and 1-(methoxyphenyl)pyrrolesâ€Šâ€. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1039-1043.	1.3	29
76	Useful base promoted elaborations of oxiranyl ethers. Tetrahedron, 2001, 57, 8173-8180.	1.9	26
77	Enhancement of Benzylic Basicity by a Fluorine Substituent at thepara-Position: A Case of Lone Pair/Lone Pair Repulsion. Chemistry - A European Journal, 2000, 6, 771-777.	3.3	31
78	Reaction of cyclopropane carboxylic acid derivatives with sulphur tetrafluoride â€" an example of a diastereoselective ring opening. Journal of Fluorine Chemistry, 2000, 104, 297-301.	1.7	7
79	Unexpected substituent effect in the stereoselective synthesis of trifluoromethyl group containing cyclopropane lactones. Journal of Fluorine Chemistry, 2000, 103, 117-121.	1.7	4
80	Efficient synthesis and resolution of (Â±)-1-[2-carboxy-6-(trifluoromethyl)phenyl]pyrrole-2-carboxylic acid. Tetrahedron: Asymmetry, 2000, 11, 4771-4780.	1.8	27
81	Enhancement of Benzylic Basicity by a Fluorine Substituent at the para-Position: A Case of Lone Pair/Lone Pair Repulsion. Chemistry - A European Journal, 2000, 6, 771-777.	3.3	1
82	Effect of a trifluoromethyl group on molecular structure: Competitive mono- and dilithiation of 1-[(trifluoromethyl)phenyl]pyrroles. Tetrahedron, 1999, 55, 7881-7892.	1.9	18
83	The special directing effect of fluorine: Ligand independent ortho lithiation of 1-(fluorophenyl)pyrroles. Tetrahedron, 1998, 54, 4367-4374.	1.9	10
84	A new base promoted rearrangement of (E)-1-benzyloxy-2,3-epoxyalkanes. Tetrahedron, 1998, 54, 11597-11602.	1.9	18
85	Kinetic resolution of racemic alkoxy oxiranes by chiral lithium amides. Tetrahedron: Asymmetry, 1998, 9, 2293-2299.	1.8	19
86	Regioselective Metallation of Propylbenzene with Superbase: a Convenient Route to Stilbene Derivativesâ€. Journal of Chemical Research Synopses, 1998, , 158-159.	0.3	7
87	N,N,Nâ€²,Nâ€²,Nâ€²-Pentamethyldipropylenetriamine (PMDPTA): A Versatile Auxiliary for Site Selective Lithiation Reactions. Synthetic Communications, 1998, 28, 443-449.	2.1	6
88	Stereoselective synthesis of trifluoromethyl group containing cyclopropane lactones. Tetrahedron, 1997, 53, 13001-13008.	1.9	7
89	Competition and co-operation between ortho directing groups and activating agents: Regioselective metallation of 1-(methoxyphenyl)pyrroles. Tetrahedron, 1997, 53, 4883-4888.	1.9	27
90	Pyrrolobenzoxazepine ring construction through metalation and electrophilic substitution of N-(2-hydroxymethylphenyl)pyrrole. Tetrahedron, 1994, 50, 2071-2076.	1.9	11

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91	Site selective hydrogen/metal exchange: Competition and cooperation between superbases and neighboring groups. Pure and Applied Chemistry, 1994, 66, 1439-1446.	1.9	46
92	N-phenylpyrrole: A kinetic, though not thermodynamic preference for dilithiation. Tetrahedron, 1993, 49, 10271-10278.	1.9	42
93	Optional ortho or alpha hydroxymethylation of alkylarenes. Journal of Organometallic Chemistry, 1991, 415, 1-6.	1.8	12
94	A one-pot synthesis of ibuprofene involving three consecutive steps of superbase metalation. Tetrahedron Letters, 1991, 32, 3369-3370.	1.4	45
95	A combined DSC, X-ray diffraction, and molecular modelling study of chiral discrimination in the purification of enantiomeric mixtures of cis-permethrinic acid. Journal of the Chemical Society Perkin Transactions II, 1990, , 57-63.	0.9	6
96	Structural studies on optical resolution via diastereoisomeric salt formation, part 2. The conformational flexibility of (S)-2-benzylaminobutan-1-ol in enantiomer separation for permethrinic acids. Journal of the Chemical Society Perkin Transactions II, 1990, , 1395-1400.	0.9	6
97	Crystal structures of the diastereomeric salt pair of the prostaglandin intermediate 1R, 2S(+)-cis-2-hydroxycyclopent-4-enylacetic acid with S- and R- 1-phenylethylamine. Journal of Molecular Structure, 1989, 196, 157-170.	3.6	10
98	The role of binary phase diagrams in separation of stereoisomeric mixtures. Journal of Thermal Analysis, 1988, 33, 1241-1245.	0.6	5
99	Structural studies on optical resolution via diasteroisomeric salt formation. Enantiomer separation for cis-permethrinic acid [cis-2,2-dimethyl-3-(2,2-dichlorovinyl)cyclopropanecarboxylic acid]. Journal of the Chemical Society Perkin Transactions II, 1988, , 1385-1392.	0.9	16
100	Evidence of Polymorphism in the Case of a Substituted Imidazo-Thiazol. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1988, 156, 193-203.	0.3	0
101	Evidence of Polymorphism in the Case of a Substituted Imidazo-Thiazol. Molecular Crystals and Liquid Crystals, 1988, 156, 193-203.	0.9	1
102	Role of the Second Order Interactions in the Separation of Stereoisomeric Mixtures. Molecular Crystals and Liquid Crystals, 1988, 156, 205-213.	0.9	1
103	Effect of molecular structure on stereoselectivity during the hydrolysis of diastereoisomeric permethrinic acid esters. Journal of Molecular Structure, 1987, 161, 111-123.	3.6	1
104	Comparison of enantiomer separation by inclusion chromatography and by resolution via diastereoisomeric salt formation. Reactive Polymers, Ion Exchangers, Sorbents, 1987, 6, 197-202.	0.0	4
105	Pseudosymmetry and chiral discrimination in optical resolution via diastereoisomeric salt formation. The crystal structures of (R)- and (S)-N-methylamphetamine bitartrates (RMERTA and SMERTA). Journal of the Chemical Society Perkin Transactions II, 1986, , 1881-1886.	0.9	33
106	A new method for designing optical resolutions and for determination of relative configurations. Tetrahedron, 1985, 41, 2837-2840.	1.9	21
107	Diastereoisomeric interactions and selective reactions in solutions of enantiomers. Tetrahedron, 1985, 41, 2841-2845.	1.9	24
108	A convenient method for optical resolutions via diastereoisomeric salt formation. Tetrahedron, 1985, 41, 2465-2470.	1.9	29

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109	The structural aspects of resolution with tartaric acid. Acta Crystallographica Section A: Foundations and Advances, 1984, 40, C81-C81.	0.3	0
110	Selective reactions of enantiomeric-mixtures. Tetrahedron Letters, 1981, 22, 3093-3096.	1.4	23
111	A quantitative approach to optical resolution. Tetrahedron Letters, 1980, 21, 647-650.	1.4	66