

# Vadim Anatolievich Soloshonok

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

313  
papers

16,588  
citations

71  
h-index

117  
g-index

324  
ext. papers

18,362  
ext. citations

5.3  
avg, IF

6.89  
L-index

#	Paper	IF	Citations
313	Successful trifluoromethoxy-containing pharmaceuticals and agrochemicals. <i>Journal of Fluorine Chemistry</i> , <b>2022</b> , 257-258, 109978	2.1	1
312	Advances in the Development of Trifluoromethoxylation Reagents. <i>Symmetry</i> , <b>2021</b> , 13, 2380	2.7	4
311	Aldol Addition-Cyclization Reaction Cascade on a Platform of Chiral Ni(II) Complex of Glycine Schiff Base. <i>Ukrainica Bioorganica Acta</i> , <b>2021</b> , 16, 3-9	0.3	
310	Recent Advances on the Halo- and Cyano-Trifluoromethylation of Alkenes and Alkynes. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
309	Tailor-Made Amino Acids in Pharmaceutical Industry: Synthetic Approaches to Aza-Tryptophan Derivatives.. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 17510-17528	4.8	1
308	New pharmaceuticals approved by FDA in 2020: Small-molecule drugs derived from amino acids and related compounds. <i>Chirality</i> , <b>2021</b> , 34, 86	2.1	3
307	Chemical Aspects of Human and Environmental Overload with Fluorine. <i>Chemical Reviews</i> , <b>2021</b> , 121, 4678-4742	68.1	49
306	Flurbiprofen: A Study of the Behavior of the Scalemate by Chromatography, Sublimation, and NMR. <i>Symmetry</i> , <b>2021</b> , 13, 543	2.7	2
305	Stereoselective arylthiolation of dehydroalanine in the Ni(II) coordination environment: the stereoinductor of choice. <i>Mendeleev Communications</i> , <b>2021</b> , 31, 337-340	1.9	
304	Fluorine-containing pharmaceuticals approved by the FDA in 2020: Synthesis and biological activity. <i>Chinese Chemical Letters</i> , <b>2021</b> ,	8.1	14
303	Recommended Tests for the Self-Disproportionation of Enantiomers (SDE) to Ensure Accurate Reporting of the Stereochemical Outcome of Enantioselective Reactions. <i>Molecules</i> , <b>2021</b> , 26,	4.8	7
302	Stereoselective arylthiolation of dehydroalanine in the Ni(II) coordination environment: the stereoinductor of choice. <i>Mendeleev Communications</i> , <b>2021</b> , 31, 337-340	1.9	2
301	Asymmetric Synthesis of $\alpha$ -difluorinated $\beta$ -amino sulfones through detrifluoroacetylative Mannich Reactions. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 3035-3038	3.2	1
300	Asymmetric Synthesis of N-Fmoc-(S)-7-aza-tryptophan via Alkylation of Chiral Nucleophilic Glycine Equivalent. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 2962-2965	3.2	4
299	The Self-Disproportionation of Enantiomers (SDE): Fluorine as an SDE-Phoric Substituent <b>2021</b> , 281-306		
298	Electrochemical Approaches for Preparation of Tailor-Made Amino Acids. <i>Chinese Journal of Organic Chemistry</i> , <b>2021</b> , 41, 3034	3	3
297	Asymmetric synthesis of the two enantiomers of $\beta$ -phosphorus-containing $\beta$ -amino acids via hydrophosphinylation and hydrophosphonylation of chiral Ni(II)-complexes. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 2190-2195	5.2	7

296	Comparative study of different chiral ligands for dynamic kinetic resolution of amino acids. <i>Chirality</i> , <b>2021</b> , 33, 685-702	2.1	
295	Tailor-made amino acids in the design of small-molecule blockbuster drugs. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 220, 113448	6.8	10
294	Synthesis of Isothiazoles through $\alpha$ -Propargylsulfanylamine: TFA-Promoted Sulfinyl Group-Involved Intramolecular Cyclization. <i>Organic Letters</i> , <b>2021</b> , 23, 6941-6945	6.2	1
293	Asymmetric synthesis of (S)-3-methyleneglutamic acid and its N-Fmoc derivative via Michael addition-elimination reaction of chiral glycine Ni (II) complex with enol tosylates. <i>Chirality</i> , <b>2021</b> , 33, 115-123	2.1	5
292	Tailor-Made Amino Acids and Fluorinated Motifs as Prominent Traits in Modern Pharmaceuticals. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 11349-11390	4.8	50
291	The Ruthenium-Catalyzed Domino Cross Enyne Metathesis/Ring-Closing Metathesis in the Synthesis of Enantioenriched Nitrogen-Containing Heterocycles. <i>European Journal of Organic Chemistry</i> , <b>2020</b> , 2020, 4193-4207	3.2	4
290	Solvent-triggered stereoselectivity of $\alpha$ -Cyclopropanation of amino acids in the Ni(ii) chiral coordination environment. <i>Dalton Transactions</i> , <b>2020</b> , 49, 8636-8644	4.3	4
289	Kitamura Electrophilic Fluorination Using HF as a Source of Fluorine. <i>Molecules</i> , <b>2020</b> , 25,	4.8	7
288	Synthesis of Ahod Moiety of Ralstonin A Using Amino Acid Schiff Base Ni(II)-Complex Chemistry. <i>Helvetica Chimica Acta</i> , <b>2020</b> , 103, e2000077	2	10
287	Asymmetric Synthesis of Tailor-Made Amino Acids Using Chiral Ni(II) Complexes of Schiff Bases. An Update of the Recent Literature. <i>Molecules</i> , <b>2020</b> , 25,	4.8	28
286	Which Stereoinductor Is Better for Asymmetric Functionalization of $\alpha$ -Amino Acids in a Nickel(II) Coordination Environment? Experimental and DFT Considerations. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 7074-7082	4.8	7
285	Fluorine-containing drugs approved by the FDA in 2019. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 2401-2413	8.1	75
284	Michael addition reactions of chiral glycine Schiff base Ni (II)-complex with 1-(1-phenylsulfonyl)benzene. <i>Chirality</i> , <b>2020</b> , 32, 885-893	2.1	7
283	Large-Scale Synthesis of the Glycine Schiff Base Ni(II) Complex Derived from (S)- and (R)-N-(2-Benzoyl-4-chlorophenyl)-1-[(3,4-dichlorophenyl)methyl]-2-pyrrolidinecarboxamide. <i>Organic Process Research and Development</i> , <b>2020</b> , 24, 294-300	3.9	15
282	Asymmetric Synthesis of Fluorinated Monoterpenic Alkaloid Derivatives from Chiral Fluoroalkyl Aldimines via the Pauson-Khand Reaction. <i>Advanced Synthesis and Catalysis</i> , <b>2020</b> , 362, 1378-1384	5.6	6
281	Asymmetric Synthesis of 4,4-(Difluoro)glutamic Acid via Chiral Ni(II)-Complexes of Dehydroalanine Schiff Bases. Effect of the Chiral Ligands Structure on the Stereochemical Outcome. <i>ChemistryOpen</i> , <b>2020</b> , 9, 93-96	2.3	14
280	Recent Developments in the Asymmetric Detrifluoroacetylative Reactions of in situ Generated Mono-Fluorinated Enolates. <i>Current Organic Chemistry</i> , <b>2020</b> , 24, 2181-2191	1.7	6
279	Applications of fluorine-containing amino acids for drug design. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 186, 111826	6.8	88

278	Cyclic tailor-made amino acids in the design of modern pharmaceuticals. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 208, 112736	6.8	20
277	Next generation organofluorine containing blockbuster drugs. <i>Journal of Fluorine Chemistry</i> , <b>2020</b> , 239, 109639	2.1	78
276	Electrophilic fluorination using PhIO/HFDTHF reagent. <i>Journal of Fluorine Chemistry</i> , <b>2020</b> , 240, 109670	2.1	2
275	Asymmetric synthesis of (S)- $\alpha$ -octylglycine via alkylation of Ni(II) complex of chiral glycine Schiff base. <i>Chirality</i> , <b>2020</b> , 32, 1354-1360	2.1	5
274	Potentially Mistaking Enantiomers for Different Compounds Due to the Self-Induced Diastereomeric Anisochronism (SIDA) Phenomenon. <i>Symmetry</i> , <b>2020</b> , 12, 1106	2.7	4
273	Asymmetric Mannich reactions of (-)-butylsulfinyl-3,3,3-trifluoroacetaldimines with yne nucleophiles. <i>Beilstein Journal of Organic Chemistry</i> , <b>2020</b> , 16, 2671-2678	2.5	2
272	Tailor-made amino acid-derived pharmaceuticals approved by the FDA in 2019. <i>Amino Acids</i> , <b>2020</b> , 52, 1227-1261	3.5	16
271	Frontispiece: Tailor-Made Amino Acids and Fluorinated Motifs as Prominent Traits in Modern Pharmaceuticals. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26,	4.8	1
270	The self-disproportionation of enantiomers (SDE) via column chromatography of amino- $\alpha$ -difluorophosphonic acid derivatives. <i>Amino Acids</i> , <b>2019</b> , 51, 1377-1385	3.5	10
269	Convenient synthesis of racemic 4,4-difluoro glutamic acid derivatives via Michael-type additions of Ni(II)-complex of dehydroalanine Schiff bases. <i>Journal of Fluorine Chemistry</i> , <b>2019</b> , 227, 109376	2.1	6
268	Perfluoro-3-ethyl-2,4-dimethyl-3-pentyl persistent radical: A new reagent for direct, metal-free radical trifluoromethylation and polymer initiation. <i>Journal of Fluorine Chemistry</i> , <b>2019</b> , 227, 109370	2.1	9
267	Chemistry of detrifluoroacetylately in situ generated fluoro-enolates. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 762-775	3.9	20
266	The self-disproportionation of enantiomers (SDE): The effect of scaling down, potential problems versus prospective applications, possible new occurrences, and unrealized opportunities?. <i>Electrophoresis</i> , <b>2019</b> , 40, 1869-1880	3.6	14
265	Chromatographic approach to study the configurational stability of Ni(II) complexes of amino-acid Schiff bases possessing stereogenic nitrogen. <i>Chirality</i> , <b>2019</b> , 31, 328-335	2.1	3
264	Large-Scale Asymmetric Synthesis of Fmoc-(-)-2-Amino-6,6,6-Trifluorohexanoic Acid. <i>ChemistryOpen</i> , <b>2019</b> , 8, 701-704	2.3	22
263	Asymmetric Vinylogous Mukaiyama-Mannich Reactions of Heterocyclic Siloxy Dienes with Ellman's Fluorinated Aldimines. <i>Advanced Synthesis and Catalysis</i> , <b>2019</b> , 361, 3860-3867	5.6	4
262	Mediator and Additive Free Trifluoromethyl-Fluorination of Terminal Alkenes by Persistent Perfluoroalkyl Radical. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 4417-4421	3.2	8
261	Chirality-dependent halogen bonds in axially chiral quinazolin-4-one derivatives bearing ortho-halophenyl groups. <i>CrystEngComm</i> , <b>2019</b> , 21, 3385-3389	3.3	3

260	Convenient Asymmetric Synthesis of Fmoc-(S)-6,6,6-Trifluoro-Norleucine. <i>Symmetry</i> , <b>2019</b> , 11, 578	2.7	23
259	Optical Resolution of Rimantadine. <i>Molecules</i> , <b>2019</b> , 24,	4.8	6
258	Fluorine-Containing Drugs Approved by the FDA in 2018. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 11797-11819	4.8	13
257	The self-disproportionation of enantiomers (SDE) of amino acids and their derivatives. <i>Amino Acids</i> , <b>2019</b> , 51, 865-889	3.5	26
256	Effect of substituents on the configurational stability of the stereogenic nitrogen in metal(II) complexes of $\beta$ -amino acid Schiff bases. <i>Chirality</i> , <b>2019</b> , 31, 401-409	2.1	4
255	Practical Method for Preparation of (-)-2-Amino-5,5,5-trifluoropentanoic Acid via Dynamic Kinetic Resolution. <i>ACS Omega</i> , <b>2019</b> , 4, 11844-11851	3.9	22
254	Development of Hamari Ligands for Practical Asymmetric Synthesis of Tailor-Made Amino Acids. <i>ACS Omega</i> , <b>2019</b> , 4, 18942-18947	3.9	24
253	Frontispiece: Fluorine-Containing Drugs Approved by the FDA in 2018. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25,	4.8	1
252	Detrifuoroacetylative in Situ Generated Cyclic Fluorinated Enolates for the Preparation of Compounds Featuring a C-F Stereogenic Center. <i>ACS Omega</i> , <b>2019</b> , 4, 19505-19512	3.9	12
251	Preparative Method for Asymmetric Synthesis of (-)-2-Amino-4,4,4-trifluorobutanoic Acid. <i>Molecules</i> , <b>2019</b> , 24,	4.8	8
250	Catalytic enantioselective Michael addition reactions between in situ detrifuoroacetylative generated 3-fluorooxindole-derived enolates and 1-(1-(phenylsulfonyl)vinylsulfonyl)benzene. <i>Journal of Fluorine Chemistry</i> , <b>2019</b> , 219, 32-38	2.1	6
249	Fluorine-Containing Pharmaceuticals and the Phenomenon of the Self-Disproportionation of Enantiomers <b>2019</b> , 321-355		
248	Asymmetric synthesis of (2S,3S)-3-Me-glutamine and (R)-allo-threonine derivatives proper for solid-phase peptide coupling. <i>Amino Acids</i> , <b>2019</b> , 51, 419-432	3.5	7
247	Expedient Asymmetric Synthesis of (S)-2-Amino-4,4,4-trifluorobutanoic Acid via Alkylation of Chiral Nucleophilic Glycine Equivalent. <i>Organic Process Research and Development</i> , <b>2019</b> , 23, 629-634	3.9	24
246	Large Scale Synthesis of Chiral (3Z,5Z)-2,7-Dihydro-1H-azepine-Derived Hamari Ligand for General Asymmetric Synthesis of Tailor-Made Amino Acids. <i>Organic Process Research and Development</i> , <b>2019</b> , 23, 619-628	3.9	9
245	The self-disproportionation of enantiomers (SDE) of $\beta$ -amino acid derivatives: facets of steric and electronic properties. <i>Amino Acids</i> , <b>2019</b> , 51, 283-294	3.5	10
244	Palladium-Catalyzed Asymmetric Allylic Alkylations of Colby Pro-Enolates with MBH Carbonates: Enantioselective Access to Quaternary C-F Oxindoles. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 8994-8998	4.8	28
243	Configurational Stable (S)- and (R)- $\beta$ -Methylproline-Derived Ligands for the Direct Chemical Resolution of Free Unprotected $\beta$ -Amino Acids. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 1821-1832	3.2	11

242	Axially chiral Ni(II) complexes of $\beta$ -amino acids: Separation of enantiomers and kinetics of racemization. <i>Chirality</i> , <b>2018</b> , 30, 498-508	2.1	4
241	Chiral sulfoxides: advances in asymmetric synthesis and problems with the accurate determination of the stereochemical outcome. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 1307-1350	58.5	134
240	The self-disproportionation of enantiomers (SDE): a menace or an opportunity?. <i>Chemical Science</i> , <b>2018</b> , 9, 1718-1739	9.4	65
239	Modern Approaches for Asymmetric Construction of Carbon-Fluorine Quaternary Stereogenic Centers: Synthetic Challenges and Pharmaceutical Needs. <i>Chemical Reviews</i> , <b>2018</b> , 118, 3887-3964	68.1	316
238	Asymmetric Synthesis of Cyclic Fluorinated Amino Acids. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 3688-3692	3.2	25
237	Tandem Alkylation-Second-Order Asymmetric Transformation Protocol for the Preparation of Phenylalanine-Type Tailor-Made $\beta$ -Amino Acids. <i>ACS Omega</i> , <b>2018</b> , 3, 9729-9737	3.9	12
236	Second-order asymmetric transformation and its application for the practical synthesis of $\beta$ -amino acids. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 4968-4972	3.9	15
235	Asymmetric Vinylogous Mannich-Type Addition of $\beta$ -Dicyanoalkenes to $\beta$ -Fluoroalkyl Sulfinyl Imines. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 366-373	5.6	10
234	Mannich-type addition of 1,3-dicarbonyl compounds to chiral tert-butanesulfinyltrifluoroacetaldimines. Mechanistic aspects and chiroptical studies. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 8742-8750	3.9	9
233	Recent progress in the application of fluorinated chiral sulfinimine reagents. <i>Journal of Fluorine Chemistry</i> , <b>2018</b> , 216, 57-70	2.1	15
232	Internal chirality descriptors iR and iS and ire and isi. A proposed notation to extend the usefulness of the R/S system by retaining the sense of stereochemistry in cases of ligand ranking changes. <i>Chirality</i> , <b>2018</b> , 30, 1054-1066	2.1	3
231	Detrifluoroacetylative cascade reactions of bicyclic fluoro-enolates with ortho -phthalaldehyde: Aspects of reactivity, diastereo- and enantioselectivity. <i>Journal of Fluorine Chemistry</i> , <b>2017</b> , 196, 14-23	2.1	10
230	Asymmetric synthesis of C $\beta$ quaternary $\beta$ -fluoro- $\beta$ -amino-indolin-2-ones via Mannich addition reactions; facets of reactivity, structural generality and stereochemical outcome. <i>RSC Advances</i> , <b>2017</b> , 7, 5679-5683	3.7	22
229	Asymmetric Synthesis of Quaternary $\beta$ -Perfluorophenyl- $\beta$ -amino-indolin-2-ones. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 1540-1546	3.2	17
228	Catalytic Enantioselective Cyano-Trifluoromethylation of Styrenes. <i>ChemistrySelect</i> , <b>2017</b> , 2, 1129-1132	1.8	16
227	Operationally Convenient and Scalable Asymmetric Synthesis of (2S)- and (2R)- $\beta$ -(Methyl)cysteine Derivatives through Alkylation of Chiral Alanine Schiff Base Ni(II) Complexes. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 1931-1939	3.2	11
226	Analysis of crystallographic structures of Ni(II) complexes of $\beta$ -amino acid Schiff bases: elucidation of the substituent effect on stereochemical preferences. <i>Dalton Transactions</i> , <b>2017</b> , 46, 4191-4198	4.3	30
225	Design, Synthesis, and Evaluation of N-(tert-Butyl)-Alanine-Derived Chiral Ligands [Aspects of Reactivity and Diastereoselectivity in the Reactions with $\beta$ -Amino Acids. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 3211-3221	3.2	2

224	Solvent-free, uncatalyzed asymmetric "ene" reactions of N-tert-butylsulfinyl-3,3,3-trifluoroacetaldimines: a general approach to enantiomerically pure $\alpha$ (trifluoromethyl)tryptamines. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 3930-3937	3.9	9
223	Scale-up Synthesis of (R)- and (S)-N-(2-Benzoyl-4-chlorophenyl)-1-(3,4-dichlorobenzyl)pyrrolidine-2-carboxamide Hydrochloride, A Versatile Reagent for the Preparation of Tailor-Made $\alpha$ and $\beta$ Amino Acids in an Enantiomerically Pure Form. <i>Organic Process Research and Development</i> , <b>2017</b> , 21, 732-739	3.9	28
222	$\alpha$ Amino- $\beta$ Difluoro- $\beta$ phosphonoglutamic Acid Derivatives: An Unexplored, Multifaceted Structural Type of Tailor-Made $\alpha$ Amino Acids. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 3451-3456	2.2	9
221	Diastereoselective $\alpha$ Alkylation of Metallo Enamines Generated from N-C Axially Chiral Mebroqualone Derivatives. <i>Organic Letters</i> , <b>2017</b> , 19, 2650-2653	6.2	13
220	Catalytic asymmetric aldol addition reactions of 3-fluoro-indolinone derived enolates. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 311-315	3.9	22
219	Catalytic Enantioselective Michael Addition Reactions of Tertiary Enolates Generated by Detrifluoroacetylation. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 11221-11225	4.8	17
218	Detrifluoroacetylative generation and chemistry of fluorine containing tertiary enolates. <i>Journal of Fluorine Chemistry</i> , <b>2017</b> , 198, 2-9	2.1	19
217	Synthesis of chiral (tetrazolyl)methyl-containing acrylates via silicon-induced organocatalytic kinetic resolution of Morita-Baylis-Hillman fluorides. <i>Chemical Communications</i> , <b>2017</b> , 53, 1128-1131	5.8	14
216	Diastereoselective Regiodivergent Mannich Versus Tandem Mannich-Cyclization Reactions. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 4267-4273	5.6	13
215	Biological evaluation of both enantiomers of fluoro-thalidomide using human myeloma cell line H929 and others. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182152	3.7	14
214	Self-disproportionation of enantiomers (SDE) of chiral sulfur-containing compounds via achiral chromatography. <i>Arkivoc</i> , <b>2017</b> , 2017, 557-578	0.9	14
213	Asymmetric synthesis of $\beta$ deuterated $\beta$ amino acids. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 6978-6983	3.3	19
212	Possible Case of Halogen Bond-Driven Self-Disproportionation of Enantiomers (SDE) via Achiral Chromatography. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14631-14638	4.8	12
211	Chemoselective S2' Allylations of Detrifluoroacetylative In Situ Generated 3-Fluoroindolin-2-one-Derived Tertiary Enolates with Morita-Baylis-Hillman Carbonates. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 13663-13670	4.2	15
210	A question of policy: should tests for the self-disproportionation of enantiomers (SDE) be mandatory for reports involving scalamates?. <i>Tetrahedron: Asymmetry</i> , <b>2017</b> , 28, 1430-1434		34
209	Unusual reactivity of fluoro-enolates with dialkyl azodicarboxylates: Synthesis of isatin-hydrazones. <i>Journal of Fluorine Chemistry</i> , <b>2017</b> , 203, 99-103	2.1	8
208	Recent approaches for asymmetric synthesis of $\beta$ amino acids via homologation of Ni(II) complexes. <i>Amino Acids</i> , <b>2017</b> , 49, 1487-1520	3.5	57
207	Self-Disproportionation of Enantiomers (SDE) via achiral gravity-driven column chromatography of N-fluoroacyl-1-phenylethylamines. <i>Journal of Fluorine Chemistry</i> , <b>2017</b> , 196, 37-43	2.1	12

206	The Second-generation of Highly Potent Hepatitis C Virus (HCV) NS3/4A Protease Inhibitors: Evolutionary Design Based on Tailor-made Amino Acids, Synthesis and Major Features of Bio-activity. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 4493-4554	3.3	23
205	N-tert-Butylsulfinyl-3,3,3-trifluoroacetalimine: Versatile Reagent for Asymmetric Synthesis of Trifluoromethyl-Containing Amines and Amino Acids of Pharmaceutical Importance. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 5917-5932	3.2	45
204	Self-disproportionation of Enantiomers (SDE) of Chiral Nonracemic Amides via Achiral Chromatography. <i>Israel Journal of Chemistry</i> , <b>2016</b> , 56, 977-989	3.4	15
203	Detrfluoroacetylative in Situ Generation of Free 3-Fluoroindolin-2-one-Derived Tertiary Enolates: Design, Synthesis, and Assessment of Reactivity toward Asymmetric Mannich Reactions. <i>Organic Letters</i> , <b>2016</b> , 18, 3270-3	6.2	51
202	Tailor-Made $\beta$ -Amino Acids in the Pharmaceutical Industry: Synthetic Approaches to (1R,2S)-1-Amino-2-vinylcyclopropane-1-carboxylic Acid (Vinyl-ACCA). <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 2757-2774	3.2	59
201	Next Generation of Fluorine-Containing Pharmaceuticals, Compounds Currently in Phase II-III Clinical Trials of Major Pharmaceutical Companies: New Structural Trends and Therapeutic Areas. <i>Chemical Reviews</i> , <b>2016</b> , 116, 422-518	68.1	1457
200	Advanced asymmetric synthesis of (1R,2S)-1-amino-2-vinylcyclopropanecarboxylic acid by alkylation/cyclization of newly designed axially chiral Ni(II) complex of glycine Schiff base. <i>Amino Acids</i> , <b>2016</b> , 48, 973-986	3.5	32
199	Chiral additive induced self-disproportionation of enantiomers under MPLC conditions: preparation of enantiomerically pure samples of 1-(aryl)ethylamines from racemates. <i>Tetrahedron: Asymmetry</i> , <b>2016</b> , 27, 317-321		13
198	Remarkable magnitude of the self-disproportionation of enantiomers (SDE) via achiral chromatography: application to the practical-scale enantiopurification of $\beta$ -amino acid esters. <i>Amino Acids</i> , <b>2016</b> , 48, 605-13	3.5	25
197	Organocatalytic Enantioselective Nucleophilic Alkynylation of Allyl Fluorides Affording Chiral Skipped Ene-yne. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6744-8	16.4	24
196	Catalytic cascade aldol-cyclization of tertiary ketone enolates for enantioselective synthesis of keto-esters with a C-F quaternary stereogenic center. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 7293-303	3.9	25
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192	Purely Chemical Approach for Preparation of d- $\beta$ -Amino Acids via (S)-to-(R)-Interconversion of Unprotected Tailor-Made $\beta$ -Amino Acids. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 3501-8	4.2	27
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188	Synthesis of trifluoromethyl-containing vicinal diamines by asymmetric decarboxylative Mannich addition reactions. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 3187-94	4.2	36
187	Introducing a new radical trifluoromethylation reagent. <i>Chemical Communications</i> , <b>2015</b> , 51, 5967-70	5.8	24
186	Asymmetric synthesis of quaternary $\alpha$ -fluoro- $\beta$ -keto-amines via detrifluoroacetylation Mannich reactions. <i>Chemical Communications</i> , <b>2015</b> , 51, 9149-52	5.8	50
185	Assembly of Fluorinated Quaternary Stereogenic Centers through Catalytic Enantioselective Detrifluoroacetylation Aldol Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6019-23	16.4	91
184	Ni-catalyzed asymmetric decarboxylative Mannich reaction for the synthesis of $\alpha$ -trifluoromethyl- $\beta$ -amino ketones. <i>RSC Advances</i> , <b>2015</b> , 5, 26811-26814	3.7	18
183	Asymmetric Carbon-Carbon Bond Formation under Solventless Conditions in Ball Mills. <i>ChemCatChem</i> , <b>2015</b> , 7, 1265-1269	5.2	42
182	Chemical Dynamic Thermodynamic Resolution and S/R Interconversion of Unprotected Unnatural Tailor-made $\beta$ -Amino Acids. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 9817-30	4.2	30
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180	Asymmetric Synthesis of (2S,3S)- $\alpha$ -(1-Oxoisoindolin-3-yl)glycines under Low-Basicity "Kinetic" Control. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 11275-80	4.2	13
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79	Preparation of Enantiopure $\alpha$ -Amino Acids via Enantioselective Conjugate Addition <b>2005</b> , 377-395	0	
78	Asymmetric Synthesis of $\beta$ -Substituted- $\alpha$ -Amino Phosphonates and Phosphinates and $\alpha$ -Amino Sulfur Analogs <b>2005</b> , 277-318	7	
77	Enantioselective Synthesis of $\alpha$ -Amino Acids via Conjugate Addition to $\alpha,\beta$ -Unsaturated Carbonyl Compounds <b>2005</b> , 351-376	0	
76	Recent Advances in the Synthesis of $\beta$ -Hydroxy- $\alpha$ -Amino Acids and Their Use in the SAR Studies of Taxane Anticancer Agents <b>2005</b> , 447-476	7	
75	Multiple-Component Condensation Methods for Preparation of Combinatorial Libraries of $\alpha$ -Amino Carbonyl Derivatives <b>2005</b> , 497-525	0	
74	Enantioselective Synthesis of Novel $\alpha$ -Amino Acids <b>2005</b> , 241-260	0	
73	Preparation of Enantiopure $\alpha$ -Amino Acids by Homologation of $\alpha$ -Amino Acids <b>2005</b> , 93-106	7	
72	Asymmetric Catalysis in Enantioselective Synthesis of $\alpha$ -Amino Acids <b>2005</b> , 107-115	6	
71	Asymmetric Synthesis of $\alpha$ -Amino Acids by Enolate Additions to tert-Butanesulfinyl Imines <b>2005</b> , 181-194	0	
70	Asymmetric Synthesis of Cyclic $\alpha$ -Amino Acids via Cycloaddition Reactions <b>2005</b> , 215-240	0	
69	Stereoselective Synthesis of $\alpha$ -Amino Acids via Radical Reactions <b>2005</b> , 415-446	0	
68	Synthesis of $\alpha$ -Amino Acids and Their Derivatives from $\alpha$ -Lactams: Update <b>2005</b> , 477-495	5	
67	Using Constrained $\alpha$ -Amino Acid Residues to Control $\alpha$ -Peptide Shape and Function <b>2005</b> , 527-591	6	
66	$\beta$ -Amino Acids with Proteinogenic Side Chains and Corresponding Peptides: Synthesis, Secondary Structure, and Biological Activity <b>2005</b> , 593-617	0	
65	Enantioselective Synthesis of Conformationally Constrained $\alpha$ -Amino Acids <b>2005</b> , 117-138	3	
64	New generation of nucleophilic glycine equivalents. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 941-944	2	34
63	Application of modular nucleophilic glycine equivalents for truly practical asymmetric synthesis of $\beta$ -substituted pyroglutamic acids. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 1107-1110	2	71

62	Structural Types of Relevant $\alpha$ -Amino Acid Targets <b>2005</b> , 1-17		1
61	Catalytic Enantioselective Mannich Reactions <b>2005</b> , 139-157		5
60	Biocatalytic Entry to Enantiomerically Pure $\alpha$ -Amino Acids <b>2005</b> , 397-414		0
59	$\alpha$ -Amino Acids in Natural Products <b>2005</b> , 19-91		25
58	Enantioselective Synthesis of $\alpha$ -Amino Acids via Stereoselective Hydrogenation of $\alpha$ -Aminoacrylic Acid Derivatives <b>2005</b> , 159-179		4
57	An efficient and operationally convenient general synthesis of tertiary amines by direct alkylation of secondary amines with alkyl halides in the presence of Huenig's base. <i>Arkivoc</i> , <b>2005</b> , 2005, 287-292	0.9	77
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51	Efficient synthesis of 2-aminoindane-2-carboxylic acid via dialkylation of nucleophilic glycine equivalent. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 4973-6	4.2	55
50	Convenient asymmetric synthesis of beta-substituted $\alpha,\alpha$ -difluoro- $\beta$ -amino acids via Reformatsky reaction between Davis' N-sulfinylimines and ethyl bromodifluoroacetate. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 7448-54	4.2	77
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