

Valery V Fokin

List of Publications by Year in descending order

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16450

64
h-index

17588

121
g-index

130
all docs

130
docs citations

130
times ranked

24324
citing authors

#	ARTICLE	IF	CITATIONS
1	Between Science and Big Business: Tapping Mary Jane™s Uncharted Potential. ACS Central Science, 2022, 8, 156-168.	11.3	2
2	Electrochemical Studies of the Cycloaddition Activity of Bismuth(III) Acetylides Towards Organic Azides Under Copper(I)-Catalyzed Conditions. Frontiers in Chemistry, 2022, 10, .	3.6	0
3	Gold(I) Phosphine Derivatives with Improved Selectivity as Topically Active Drug Leads to Overcome 5-Nitroheterocyclic Drug Resistance in <i>Trichomonas vaginalis</i>. Journal of Medicinal Chemistry, 2021, 64, 6608-6620.	6.4	7
4	On-Water Selectivity Switch in Microdroplets in the 1,2,3-Triazole Synthesis from Bromoethenesulfonyl Fluoride. Journal of the American Chemical Society, 2021, 143, 18374-18379.	13.7	17
5	Dual Electrospray Ionization Enhancement of Proteins Enabled by DMSO Supercharging Reagent. Journal of the American Society for Mass Spectrometry, 2021, , .	2.8	1
6	Sulfonyl Fluoride Mediated Synthesis of Amides and Amidines from Ketoximes via Beckmann Rearrangement. Chemistry - A European Journal, 2020, 26, 10402-10405.	3.3	12
7	Click chemistry-facilitated comprehensive identification of proteins adducted by antimicrobial 5-nitroimidazoles for discovery of alternative drug targets against giardiasis. PLoS Neglected Tropical Diseases, 2020, 14, e0008224.	3.0	9
8	Counteracting tabun inhibition by reactivation by pyridinium aldioximes that interact with active center gorge mutants of acetylcholinesterase. Toxicology and Applied Pharmacology, 2019, 372, 40-46.	2.8	8
9	Quantitative Structure–Price Relationship (QS\$R) Modeling and the Development of Economically Feasible Drug Discovery Projects. Journal of Chemical Information and Modeling, 2019, 59, 1306-1313.	5.4	5
10	Reversal of Tabun Toxicity Enabled by a Triazole–Annulated Oxime Library–Reactivators of Acetylcholinesterase. Chemistry - A European Journal, 2019, 25, 4100-4114.	3.3	24
11	Sulfonyl Fluoride Mediated Conversion of Aldehydes to Nitriles. Chemistry - A European Journal, 2019, 25, 1906-1909.	3.3	38
12	Pharmacology, Pharmacokinetics, and Tissue Disposition of Zwitterionic Hydroxyiminoacetamido Alkylamines as Reactivating Antidotes for Organophosphate Exposure. Journal of Pharmacology and Experimental Therapeutics, 2018, 367, 363-372.	2.5	35
13	Catalyst Activation, Chemoselectivity, and Reaction Rate Controlled by the Counterion in the Cu(I)-Catalyzed Cycloaddition between Azide and Terminal or 1-Iodoalkynes. ACS Catalysis, 2018, 8, 7889-7897.	11.2	27
14	Regioselective Synthesis of Fluorosulfonyl 1,2,3-Triazoles from Bromovinylsulfonyl Fluoride. Organic Letters, 2018, 20, 3749-3752.	4.6	68
15	Click Chemistry-Facilitated Structural Diversification of Nitrothiazoles, Nitrofurans, and Nitropyrroles Enhances Antimicrobial Activity against Giardia lamblia. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	6
16	Neuritogenic activity of bi-functional bis-tryptoline triazole. Bioorganic and Medicinal Chemistry, 2017, 25, 1195-1201.	3.0	9
17	Selective and Orthogonal Post-Polymerization Modification using Sulfur(VI) Fluoride Exchange (SuFEx) and Copper-Catalyzed Azide–Alkyne Cycloaddition (CuAAC) Reactions. Macromolecules, 2016, 49, 4473-4479.	4.8	92
18	Selectivity Optimization of Substituted 1,2,3-Triazoles as ±7 Nicotinic Acetylcholine Receptor Agonists. ACS Chemical Neuroscience, 2015, 6, 1317-1330.	3.5	27

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19	Cognitive Improvements in a Mouse Model with Substituted 1,2,3-Triazole Agonists for Nicotinic Acetylcholine Receptors. ACS Chemical Neuroscience, 2015, 6, 1331-1340.	3.5	13
20	Catalytic Soman Scavenging by the Y337A/F338A Acetylcholinesterase Mutant Assisted with Novel Site-Directed Aldoximes. Chemical Research in Toxicology, 2015, 28, 1036-1044.	3.3	41
21	Synthesis and Biological Evaluation of Furanoalcolchicinoids. Journal of Medicinal Chemistry, 2015, 58, 692-704.	6.4	41
22	Synthesis of Fluorescent Boron Difluoride Complexes of 3-Acyl-4-hydroxy-6-coumarins. Synthesis, 2014, 46, 3239-3248.	2.3	6
23	SuFEx-Based Synthesis of Polysulfates. Angewandte Chemie - International Edition, 2014, 53, 9466-9470.	13.8	231
24	Imidazole Aldoximes Effective in Assisting Butyrylcholinesterase Catalysis of Organophosphate Detoxification. Journal of Medicinal Chemistry, 2014, 57, 1378-1389.	6.4	73
25	Stereoselective 1,3-Insertions of Rhodium(II) Azavinyl Carbenes. Journal of the American Chemical Society, 2014, 136, 195-202.	13.7	204
26	Ruthenium-Catalyzed Cycloadditions of 1-Haloalkynes with Nitrile Oxides and Organic Azides: Synthesis of 4-Haloisoxazoles and 5-Halotriazoles. Chemistry - A European Journal, 2014, 20, 11101-11110.	3.3	98
27	Synthesis of Indole-Derived Alcolchicine Congeners through Pd-Catalyzed Intramolecular C-H Arylation Reaction. European Journal of Organic Chemistry, 2014, 2014, 6481-6492.	2.4	20
28	Disubstituted sialic acid ligands targeting siglecs CD33 and CD22 associated with myeloid leukaemias and B cell lymphomas. Chemical Science, 2014, 5, 2398.	7.4	86
29	Derivatives of 1,2,3-triazole lead found to be selective and potent agonists at the $\alpha 7$ nicotinic acetylcholine receptor (1059.8). FASEB Journal, 2014, 28, 1059.8.	0.5	0
30	Copper(I)-Catalyzed Cycloaddition of Bismuth(III) Acetylides with Organic Azides: Synthesis of Stable Triazole Anion Equivalents. Angewandte Chemie - International Edition, 2013, 52, 13037-13041.	13.8	65
31	On-Chip Synthesis and Screening of a Sialoside Library Yields a High Affinity Ligand for Siglec-7. ACS Chemical Biology, 2013, 8, 1417-1422.	3.4	65
32	Expanded therapeutic potential in activity space of next-generation 5-nitroimidazole antimicrobials with broad structural diversity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17564-17569.	7.1	57
33	Centrally acting oximes in reactivation of tabun-phosphoramidated AChE. Chemico-Biological Interactions, 2013, 203, 77-80.	4.0	64
34	Synthesis of 1,4-triazole linked zanamivir dimers as highly potent inhibitors of influenza A and B. MedChemComm, 2013, 4, 383-386.	3.4	22
35	Mechanism of interaction of novel uncharged, centrally active reactivators with OP-hAChE conjugates. Chemico-Biological Interactions, 2013, 203, 67-71.	4.0	30
36	Transannulation of 1-Sulfonyl-1,2,3-triazoles with Heterocumulenes. Journal of the American Chemical Society, 2013, 135, 4652-4655.	13.7	220

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37	Novel VEGFR-2 kinase inhibitors identified by the back-to-front approach. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 2962-2967.	2.2	50
38	Negishi Cross-Coupling Reaction as a Route to Isocombretastatins. Synlett, 2013, 24, 1772-1776.	1.8	7
39	From BACE1 Inhibitor to Multifunctionality of Tryptoline and Tryptamine Triazole Derivatives for Alzheimer's Disease. Molecules, 2012, 17, 8312-8333.	3.8	39
40	Selective Formation of 1,4-Disubstituted Triazoles from Ruthenium-Catalyzed Cycloaddition of Terminal Alkynes and Organic Azides: Scope and Reaction Mechanism. Organometallics, 2012, 31, 4904-4915.	2.3	47
41	Halogen Exchange (Halex) Reaction of 5-Iodo-1,2,3-triazoles: Synthesis and Applications of 5-Fluorotriazoles. Angewandte Chemie - International Edition, 2012, 51, 11791-11794.	13.8	87
42	Click and Pick: Identification of Sialoside Analogues for Siglec-Based Cell Targeting. Angewandte Chemie - International Edition, 2012, 51, 11014-11018.	13.8	78
43	Rhodium(II)-Catalyzed Asymmetric Sulfur(VI) Reduction of Diazo Sulfonylamidines. Journal of the American Chemical Society, 2012, 134, 2477-2480.	13.7	70
44	Arylation of Rhodium(II) Azavinyl Carbenes with Boronic Acids. Journal of the American Chemical Society, 2012, 134, 14670-14673.	13.7	165
45	Generation of Candidate Ligands for Nicotinic Acetylcholine Receptors via in situ Click Chemistry with a Soluble Acetylcholine Binding Protein Template. Journal of the American Chemical Society, 2012, 134, 6732-6740.	13.7	79
46	Synthesis of Selective Agonists for the $\alpha 7$ Nicotinic Acetylcholine Receptor with In Situ Click-Chemistry on Acetylcholine-Binding Protein Templates. Molecular Pharmacology, 2012, 82, 687-699.	2.3	17
47	Refinement of Structural Leads for Centrally Acting Oxime Reactivators of Phosphylated Cholinesterases. Journal of Biological Chemistry, 2012, 287, 11798-11809.	3.4	97
48	Synthesis and evaluation of 1-(substituted)-3-prop-2-ynylureas as antiangiogenic agents. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 3001-3005.	2.2	10
49	Molecular Determinants of Reactivation Potency for Novel, Efficacious, Centrally Active Oxime Reactivators of Phosphylated Acetylcholinesterase. FASEB Journal, 2012, 26, 851.5.	0.5	0
50	Synthesis and Reactivity of Sulfamoyl Azides and 1-Sulfamoyl-1,2,3-triazoles. Organic Letters, 2011, 13, 4578-4580.	4.6	63
51	Synthesis and Postpolymerization Functionalization of Poly(5-iodo-1,2,3-triazole)s. Macromolecules, 2011, 44, 4735-4741.	4.8	58
52	Reactivity of <i>N</i> -(1,2,4-Triazolyl)-Substituted 1,2,3-Triazoles. Organic Letters, 2011, 13, 4870-4872.	4.6	82
53	Oxime-assisted Acetylcholinesterase Catalytic Scavengers of Organophosphates That Resist Aging. Journal of Biological Chemistry, 2011, 286, 29718-29724.	3.4	49
54	Catalytic Asymmetric C-H Insertions of Rhodium(II) Azavinyl Carbenes. Journal of the American Chemical Society, 2011, 133, 10352-10355.	13.7	204

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55	New Structural Scaffolds for Centrally Acting Oxime Reactivators of Phosphylated Cholinesterases. Journal of Biological Chemistry, 2011, 286, 19422-19430.	3.4	110
56	Antiviral Stilbene 1,2-Diamines Prevent Initiation of Hepatitis C Virus RNA Replication at the Outset of Infection. Journal of Virology, 2011, 85, 5513-5523.	3.4	15
57	Copper-catalyzed azide-alkyne cycloaddition (CuAAC) and beyond: new reactivity of copper(i) acetylides. Chemical Society Reviews, 2010, 39, 1302.	38.1	1,806
58	Synthesis of 7-Aza-5-deazapurine Analogues via Copper(I)-Catalyzed Hydroamination of Alkynes and 1-Iodoalkynes. Journal of Organic Chemistry, 2010, 75, 8662-8665.	3.2	28
59	Efficient Synthesis of 1-Sulfonyl-1,2,3-triazoles. Organic Letters, 2010, 12, 4952-4955.	4.6	262
60	Interaction kinetics of oximes with native, phosphylated and aged human acetylcholinesterase. Chemico-Biological Interactions, 2010, 187, 163-166.	4.0	24
61	Triazolyl tryptoline derivatives as β -secretase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6572-6576.	2.2	22
62	Synthesis and Reactivity of Rhodium(II) α -Triflyl Azavinyl Carbenes. Journal of the American Chemical Society, 2010, 132, 2510-2511.	13.7	212
63	NH-1,2,3-Triazole Inhibitors of the VIM-2 Metallo- β -Lactamase. ACS Medicinal Chemistry Letters, 2010, 1, 150-154.	2.8	79
64	Click chemistry: function follows form. Chemical Society Reviews, 2010, 39, 1231.	38.1	284
65	Ultrasound-Promoted Copper-Catalyzed Azide-Alkyne Cycloaddition. ACS Combinatorial Science, 2010, 12, 13-15.	3.3	82
66	Transition-Metal-Free Catalytic Synthesis of 1,5-Diaryl-1,2,3-triazoles. Organic Letters, 2010, 12, 4217-4219.	4.6	219
67	Design of Novel Oxime Reactivators and Direct Characterization of Their Interaction With OP-ChE Conjugates. FASEB Journal, 2010, 24, 763.10.	0.5	0
68	Iterative In Situ Click Chemistry Creates Antibody-Like Protein-Capture Agents. Angewandte Chemie - International Edition, 2009, 48, 4944-4948.	13.8	114
69	Copper(I)-Catalyzed Cycloaddition of Organic Azides and 1-Iodoalkynes. Angewandte Chemie - International Edition, 2009, 48, 8018-8021.	13.8	412
70	Inhibitors of VIM-2 by screening pharmacologically active and click-chemistry compound libraries. Bioorganic and Medicinal Chemistry, 2009, 17, 5027-5037.	3.0	44
71	Organic Synthesis "On Water". Chemical Reviews, 2009, 109, 725-748.	47.7	1,316
72	Synthesis and Electrochemistry of 2-Ethenyl and 2-Ethanyl Derivatives of 5-Nitroimidazole and Antimicrobial Activity against <i>Giardia lamblia</i> . Journal of Medicinal Chemistry, 2009, 52, 4038-4053.	6.4	70

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73	Rhodium-Catalyzed Enantioselective Cyclopropanation of Olefins with <i>N</i> -Sulfonyl 1,2,3-Triazoles. <i>Journal of the American Chemical Society</i> , 2009, 131, 18034-18035.	13.7	288
74	Identification of a New Endogenous Metabolite and the Characterization of Its Protein Interactions through an Immobilization Approach. <i>Journal of the American Chemical Society</i> , 2009, 131, 378-386.	13.7	49
75	Ruthenium-Catalyzed Azide-Alkyne Cycloaddition: Scope and Mechanism. <i>Journal of the American Chemical Society</i> , 2008, 130, 8923-8930.	13.7	723
76	Mechanistic Studies on the Cu-Catalyzed Three-Component Reactions of Sulfonyl Azides, 1-Alkynes and Amines, Alcohols, or Water: Dichotomy via a Common Pathway. <i>Journal of Organic Chemistry</i> , 2008, 73, 5520-5528.	3.2	203
77	Regioselective Synthesis of Either 1 <i>H</i> - or 2 <i>H</i> -1,2,3-Triazoles via Michael Addition to α,β -Unsaturated Ketones. <i>Heterocycles</i> , 2008, 76, 1141.	0.7	21
78	Rhodium-Catalyzed Transannulation of 1,2,3-Triazoles with Nitriles. <i>Journal of the American Chemical Society</i> , 2008, 130, 14972-14974.	13.7	470
79	Efficient Synthesis of Sulfonyl Azides from Sulfonamides. <i>Organic Letters</i> , 2008, 10, 3385-3388.	4.6	41
80	Efficient Synthesis of 2-Substituted-1,2,3-triazoles. <i>Organic Letters</i> , 2008, 10, 3171-3174.	4.6	173
81	Ruthenium-Catalyzed Cycloaddition of Aryl Azides and Alkynes. <i>Organic Letters</i> , 2007, 9, 5337-5339.	4.6	293
82	Bringing Efficiency to Materials Synthesis: The Philosophy of Click Chemistry. <i>Australian Journal of Chemistry</i> , 2007, 60, 381.	0.9	160
83	Click Imaging of Biochemical Processes in Living Systems. <i>ACS Chemical Biology</i> , 2007, 2, 775-778.	3.4	46
84	Enhanced Reactivity of Dinuclear Copper(I) Acetylides in Dipolar Cycloadditions. <i>Organometallics</i> , 2007, 26, 4389-4391.	2.3	206
85	Copper-Catalyzed Synthesis of <i>N</i> -Sulfonyl-1,2,3-triazoles: Controlling Selectivity. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1730-1733.	13.8	299
86	Role of architecture and molecular weight in the formation of tailor-made ultrathin multilayers using dendritic macromolecules and click chemistry. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2835-2846.	2.3	113
87	Click chemistry in materials synthesis. III. Metal-cathesive polymers from Cu(I)-catalyzed azide-alkyne cycloaddition. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5182-5189.	2.3	95
88	Ligand-Accelerated Cu-Catalyzed Azide-Alkyne Cycloaddition: A Mechanistic Report. <i>Journal of the American Chemical Society</i> , 2007, 129, 12705-12712.	13.7	366
89	Rapid Discovery and Structure-Activity Profiling of Novel Inhibitors of Human Immunodeficiency Virus Type 1 Protease Enabled by the Copper(I)-Catalyzed Synthesis of 1,2,3-Triazoles and Their Further Functionalization. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 7697-7710.	6.4	200
90	Copper-Catalyzed Reaction Cascade: Direct Conversion of Alkynes into <i>N</i> -Sulfonylazetidin-2-imines. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3157-3161.	13.8	153

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91	Kinetic resolution by copper-catalyzed azide-alkyne cycloaddition. <i>Tetrahedron Letters</i> , 2005, 46, 4543-4546.	1.4	122
92	One-Pot Copper(I)-Catalyzed Synthesis of 3,5-Disubstituted Isoxazoles. <i>Journal of Organic Chemistry</i> , 2005, 70, 7761-7764.	3.2	222
93	Copper(I)-Catalyzed Synthesis of Azoles. DFT Study Predicts Unprecedented Reactivity and Intermediates. <i>Journal of the American Chemical Society</i> , 2005, 127, 210-216.	13.7	1,497
94	Mechanism of the Ligand-Free CuI-Catalyzed Azide-Alkyne Cycloaddition Reaction. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2210-2215.	13.8	535
95	On Water: Unique Reactivity of Organic Compounds in Aqueous Suspension. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3275-3279.	13.8	1,477
96	NH-1,2,3-Triazoles from Azidomethyl Pivalate and Carbamates: Base-Labile N-Protecting Groups. <i>Synlett</i> , 2005, 2005, 2847-2850.	1.8	14
97	The Allylic Azide Rearrangement: Achieving Selectivity. <i>Journal of the American Chemical Society</i> , 2005, 127, 13444-13445.	13.7	102
98	Ruthenium-Catalyzed Cycloaddition of Alkynes and Organic Azides. <i>Journal of the American Chemical Society</i> , 2005, 127, 15998-15999.	13.7	977
99	Structurally Diverse Dendritic Libraries: A Highly Efficient Functionalization Approach Using Click Chemistry. <i>Macromolecules</i> , 2005, 38, 3663-3678.	4.8	363
100	Polytriazoles as Copper(I)-Stabilizing Ligands in Catalysis. <i>Organic Letters</i> , 2004, 6, 2853-2855.	4.6	1,418
101	A Microwave-Assisted Click Chemistry Synthesis of 1,4-Disubstituted 1,2,3-Triazoles via a Copper(I)-Catalyzed Three-Component Reaction. <i>Organic Letters</i> , 2004, 6, 4223-4225.	4.6	530
102	Click chemistry in materials synthesis. 1. Adhesive polymers from copper-catalyzed azide-alkyne cycloaddition. <i>Journal of Polymer Science Part A</i> , 2004, 42, 4392-4403.	2.3	394
103	Cover Picture: Efficiency and Fidelity in a Click-Chemistry Route to Triazole Dendrimers by the Copper(I)-Catalyzed Ligation of Azides and Alkynes (<i>Angew. Chem. Int. Ed.</i> 30/2004). <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3863-3863.	13.8	8
104	A Mass Spectrometry Plate Reader: Monitoring Enzyme Activity and Inhibition with a Desorption/Ionization on Silicon (DIOS) Platform. <i>ChemBioChem</i> , 2004, 5, 921-927.	2.6	62
105	Direct Synthesis of 1,5-Disubstituted-4-magnesio-1,2,3-triazoles, Revisited. <i>Organic Letters</i> , 2004, 6, 1237-1240.	4.6	243
106	Discovery and Characterization of Catalysts for Azide-Alkyne Cycloaddition by Fluorescence Quenching. <i>Journal of the American Chemical Society</i> , 2004, 126, 9152-9153.	13.7	353
107	One-Pot Synthesis of 1,4-Disubstituted 1,2,3-Triazoles from In Situ Generated Azides. <i>Organic Letters</i> , 2004, 6, 3897-3899.	4.6	329
108	Bioconjugation by Copper(I)-Catalyzed Azide-Alkyne [3 + 2] Cycloaddition. <i>Journal of the American Chemical Society</i> , 2003, 125, 3192-3193.	13.7	1,536

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109	Rapid Diversity-Oriented Synthesis in Microtiter Plates for In Situ Screening of HIV Protease Inhibitors. <i>ChemBioChem</i> , 2003, 4, 1246-1248.	2.6	134
110	The chemistry of zerumbone. Part 5: Structural transformation of the dimethylamine derivatives. <i>Tetrahedron</i> , 2003, 59, 4857-4866.	1.9	43
111	A Potent and Highly Selective Inhibitor of Human α -1,3-Fucosyltransferase via Click Chemistry. <i>Journal of the American Chemical Society</i> , 2003, 125, 9588-9589.	13.7	431
112	Title is missing!. <i>Angewandte Chemie</i> , 2002, 114, 2708-2711.	2.0	2,209
113	A Stepwise Huisgen Cycloaddition Process: Copper(I)-Catalyzed Regioselective α -Ligation of Azides and Terminal Alkynes. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2596-2599.	13.8	10,242
114	A Practical and Highly Efficient Aminohydroxylation of Unsaturated Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3455-3457.	13.8	75
115	Polyisoprenyl phosphate (PIPP) signaling regulates phospholipase D activity: a α -stop TM signaling switch for aspirin-triggered lipoxin A ₄ . <i>FASEB Journal</i> , 1999, 13, 903-911.	0.5	104
116	LXA ₄ , aspirin-triggered 15-epi-LXA ₄ , and their analogs selectively downregulate PMN azurophilic degranulation. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 276, C988-C994.	4.6	61
117	Lipoxin B ₄ regulates human monocyte/neutrophil adherence and motility: design of stable lipoxin B ₄ analogs with increased biologic activity. <i>FASEB Journal</i> , 1998, 12, 487-494.	0.5	92
118	Lipoxin A4 Stable Analogs Are Potent Mimetics That Stimulate Human Monocytes and THP-1 Cells via a G-protein-linked Lipoxin A4 Receptor. <i>Journal of Biological Chemistry</i> , 1997, 272, 6972-6978.	3.4	237
119	Spectroscopic, crystallographic and computational studies of the formation and isomerization of cyclic acetals and ketals of pentonolactones. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 2535-2562.	1.8	25