Mats Larhed

List of Publications by Year
in descending order

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199 papers	10,128 citations	29994 54 h-index	45213 90 g-index
209 all docs	209 docs citations	209 times ranked	7030 citing authors

#	Article	IF	Citations
1	Synthesis and In Vitro Biological Evaluation of Quinolinyl Pyrimidines Targeting Type II NADH-Dehydrogenase (NDH-2). ACS Infectious Diseases, 2022, 8, 482-498.	1.8	2
2	Angiotensin II AT2 receptor ligands with phenylthiazole scaffolds. Bioorganic and Medicinal Chemistry, 2022, 65, 116790.	1.4	3
3	2-Alkyl substituted benzimidazoles as a new class of selective AT2 receptor ligands. Bioorganic and Medicinal Chemistry, 2022, 66, 116804.	1.4	4
4	N-(Methyloxycarbonyl)thiophene sulfonamides as high affinity AT2 receptor ligands. Bioorganic and Medicinal Chemistry, 2021, 29, 115859.	1.4	6
5	18F-Radiolabeling and Preliminary Evaluation of a HSP90 ligand. European Journal of Pharmaceutical Sciences, 2021, 157, 105647.	1.9	0
6	Macrocyclic peptidomimetics as inhibitors of insulin-regulated aminopeptidase (IRAP). RSC Medicinal Chemistry, 2020, 11, 234-244.	1.7	9
7	Direct stimulation of angiotensin II type 2 receptor reduces nitric oxide production in lipopolysaccharide treated mouse macrophages. European Journal of Pharmacology, 2020, 868, 172855.	1.7	12
8	Heterodimeric Radiotracer Targeting PSMA and GRPR for Imaging of Prostate Cancerâ€"Optimization of the Affinity towards PSMA by Linker Modification in Murine Model. Pharmaceutics, 2020, 12, 614.	2.0	19
9	From Angiotensin IV to Small Peptidemimetics Inhibiting Insulin-Regulated Aminopeptidase. Frontiers in Pharmacology, 2020, 11, 590855.	1.6	9
10	Structural Basis of Inhibition of Insulin-Regulated Aminopeptidase by a Macrocyclic Peptidic Inhibitor. ACS Medicinal Chemistry Letters, 2020, 11, 1429-1434.	1.3	11
11	Synthesis, Evaluation and Proposed Binding Pose of Substituted Spiroâ€Oxindole Dihydroquinazolinones as IRAP Inhibitors. ChemistryOpen, 2020, 9, 325-337.	0.9	7
12	Regio- and Stereoselective Synthesis of Allylic Spiroethers (Spirobenzofuranes) via an Intramolecular Mizorokiâ€"Heck Reaction. Journal of Organic Chemistry, 2020, 85, 7648-7657.	1.7	2
13	Synthesis and Preclinical Evaluation of Radio-Iodinated GRPR/PSMA Bispecific Heterodimers for the Theranostics Application in Prostate Cancer. Pharmaceutics, 2019, 11, 358.	2.0	17
14	Bispecific GRPR-Antagonistic Anti-PSMA/GRPR Heterodimer for PET and SPECT Diagnostic Imaging of Prostate Cancer. Cancers, 2019, 11, 1371.	1.7	26
15	A Series of Analogues to the AT₂R Prototype Antagonist C38 Allow Fine Tuning of the Previously Reported Antagonist Binding Mode. ChemistryOpen, 2019, 8, 114-125.	0.9	8
16	Synthesis and preclinical evaluation of the CRTH2 antagonist [11C]MK-7246 as a novel PET tracer and potential surrogate marker for pancreatic beta-cell mass. Nuclear Medicine and Biology, 2019, 71, 1-10.	0.3	10
17	Trastuzumab cotreatment improves survival of mice with PCâ€3 prostate cancer xenografts treated with the GRPR antagonist ¹⁷⁷Luâ€DOTAGAâ€PEG₂â€RM26. International Journal of Cancer, 2019, 145, 3347-3358.	2.3	30
18	Regio- and Stereoselective Synthesis of Spirooxindoles via Mizorokiâ€"Heck Coupling of Aryl Iodides. Synlett, 2019, 30, 82-88.	1.0	4

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19	Palladium-Catalyzed Molybdenum Hexacarbonyl-Mediated Gas-Free Carbonylative Reactions. Synlett, 2019, 30, 141-155.	1.0	45
20	Structural Basis of Inhibition of Human Insulin-Regulated Aminopeptidase (IRAP) by Aryl Sulfonamides. ACS Omega, 2018, 3, 4509-4521.	1.6	14
21	A convenient transesterification method for synthesis of AT2 receptor ligands with improved stability in human liver microsomes. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 519-522.	1.0	10
22	Synthesis and in vitro evaluation of 5-substituted benzovesamicol analogs containing N-substituted amides as potential positron emission tomography tracers for the vesicular acetylcholine transporter. Bioorganic and Medicinal Chemistry, 2017, 25, 5095-5106.	1.4	5
23	Selective Synthesis of Spirooxindoles by an Intramolecular Heckâ€“Mizoroki Reaction. Organic Letters, 2017, 19, 2738-2741.	2.4	9
24	Continuous Flow Synthesis under High-Temperature/High-Pressure Conditions Using a Resistively Heated Flow Reactor. Organic Process Research and Development, 2017, 21, 947-955.	1.3	25
25	Regio- and Stereoselective Synthesis of Functionalized Cyclopentene Derivatives via Mizorokiâ€“Heck Reactions. Organic Letters, 2017, 19, 1602-1605.	2.4	15
26	Palladium(0)-Catalyzed Carbonylative One-Pot Synthesis of N-Acylguanidines. Journal of Organic Chemistry, 2017, 82, 12520-12529.	1.7	14
27	Synthesis of 4Hâ€Benzo[e][1,3]oxazinâ€4â€ones by a Carbonylationâ€“Cyclization Domino Reaction of orthoâ€Halophenols and Cyanamide. ChemistryOpen, 2017, 6, 620-628.	0.9	5
28	Route to 3-Amidino Indoles via Pd(II)-Catalyzed Câ€“H Bond Activation. Organic Letters, 2017, 19, 4066-4069.	2.4	10
29	Lignin depolymerization to monophenolic compounds in a flow-through system. Green Chemistry, 2017, 19, 5767-5771.	4.6	164
30	Synthesis of 11C-Labelled Ureas by Palladium(II)-Mediated Oxidative Carbonylation. Molecules, 2017, 22, 1688.	1.7	13
31	High Contrast PET Imaging of GRPR Expression in Prostate Cancer Using Cobalt-Labeled Bombesin Antagonist RM26. Contrast Media and Molecular Imaging, 2017, 2017, 1-10.	0.4	27
32	Identification of Drug-Like Inhibitors of Insulin-Regulated Aminopeptidase Through Small-Molecule Screening. Assay and Drug Development Technologies, 2016, 14, 180-193.	0.6	13
33	Binding to and Inhibition of Insulin-Regulated Aminopeptidase by Macrocyclic Disulfides Enhances Spine Density. Molecular Pharmacology, 2016, 89, 413-424.	1.0	35
34	Aryl Sulfonamide Inhibitors of Insulin-Regulated Aminopeptidase Enhance Spine Density in Primary Hippocampal Neuron Cultures. ACS Chemical Neuroscience, 2016, 7, 1383-1392.	1.7	27
35	Microwave Heated Continuous Flow Palladium(II)-Catalyzed Desulfitative Synthesis of Aryl Ketones. Organic Process Research and Development, 2016, 20, 2005-2011.	1.3	24
36	Synthesis of ¹¹Câ€labeled Sulfonyl Carbamates through a Multicomponent Reaction Employing Sulfonyl Azides, Alcohols, and [¹¹C]CO. ChemistryOpen, 2016, 5, 566-573.	0.9	16

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37	Selection of optimal chelator improves the contrast of GRPR imaging using bombesin analogue RM26. International Journal of Oncology, 2016, 48, 2124-2134.	1.4	29
38	Rapid and straightforward transesterification of sulfonyl carbamates. Tetrahedron Letters, 2016, 57, 1476-1478.	0.7	16
39	Microwave Promoted Transcarbamylation Reaction of Sulfonylcarbamates under Continuous-Flow Conditions. Organic Process Research and Development, 2016, 20, 440-445.	1.3	18
40	Nonpeptide AT2 Receptor Agonists. Medicinal Chemistry Reviews, 2016, , 69-82.	0.1	3
41	Optimization and Evaluation of 5-Styryl-Oxathiazol-2-oneMycobacterium tuberculosisProteasome Inhibitors as Potential Antitubercular Agents. ChemistryOpen, 2015, 4, 342-362.	0.9	13
42	Palladiumâ€Catalyzed Carbonylation of Aryl Iodides with Sulfinamides. European Journal of Organic Chemistry, 2015, 2015, 7069-7074.	1.2	5
43	Rapid and Efficient Conversion of ¹¹CO₂ to ¹¹CO through Silacarboxylic Acids: Applications in Pdâ€Mediated Carbonylations. Chemistry - A European Journal, 2015, 21, 17601-17604.	1.7	31
44	N-Substituted pyrazole-3-carboxamides as inhibitors of human 15-lipoxygenase. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3017-3023.	1.0	15
45	Siteâ€Specific Radioiodination of HER2â€Targeting Affibody Molecules using 4â€Iodophenethylmaleimide Decreases Renal Uptake of Radioactivity. ChemistryOpen, 2015, 4, 174-182.	0.9	12
46	The effect of macrocyclic chelators on the targeting properties of the 68 Ga-labeled gastrin releasing peptide receptor antagonist PEG 2 -RM26. Nuclear Medicine and Biology, 2015, 42, 446-454.	0.3	46
47	Synthesis of 4-Quinolones via a Carbonylative Sonogashira Cross-Coupling Using Molybdenum Hexacarbonyl as a CO Source. Journal of Organic Chemistry, 2015, 80, 1464-1471.	1.7	99
48	Synthesis of enantiopure angiotensin II type 2 receptor [AT2R] antagonist EMA401. Tetrahedron, 2015, 71, 6881-6887.	1.0	7
49	Virtual Screening for Transition State Analogue Inhibitors of IRAP Based on Quantum Mechanically Derived Reaction Coordinates. Journal of Chemical Information and Modeling, 2015, 55, 1984-1993.	2.5	9
50	3-Substituted pyrazoles and 4-substituted triazoles as inhibitors of human 15-lipoxygenase-1. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3024-3029.	1.0	19
51	Aspartic protease inhibitors containing tertiary alcohol transition-state mimics. European Journal of Medicinal Chemistry, 2015, 90, 462-490.	2.6	23
52	The Effect of Mini-PEG-Based Spacer Length on Binding and Pharmacokinetic Properties of a 68Ga-Labeled NOTA-Conjugated Antagonistic Analog of Bombesin. Molecules, 2014, 19, 10455-10472.	1.7	55
53	Inhibition of Insulinâ€Regulated Aminopeptidase (IRAP) by Arylsulfonamides. ChemistryOpen, 2014, 3, 256-263.	0.9	20
54	Synthesis and labeling of a piperazineâ€based library of ¹¹Câ€labeled ligands for imaging of the vesicular acetylcholine transporter. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 525-532.	0.5	15

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55	Safe Palladium-Catalyzed Cross-Couplings with Microwave Heating Using Continuous-Flow Silicon Carbide Reactors. Organic Process Research and Development, 2014, 18, 1413-1418.	1.3	28
56	Nâ€Aryl Isoleucine Derivatives as Angiotensinâ€…II AT₂ Receptor Ligands. ChemistryOpen, 2014, 3, 65-75.	0.9	5
57	An improved palladium(II)-catalyzed method for the synthesis of aryl ketones from aryl carboxylic acids and organonitriles. Tetrahedron Letters, 2014, 55, 2376-2380.	0.7	8
58	11C-Labeling of a potent hydroxyethylamine BACE-1 inhibitor and evaluation in vitro and in vivo. Nuclear Medicine and Biology, 2014, 41, 536-543.	0.3	17
59	Palladium(II)â€Catalyzed Decarboxylative Heck Arylations of Acyclic Electronâ€Rich Olefins with Internal Selectivity. Advanced Synthesis and Catalysis, 2014, 356, 870-878.	2.1	27
60	Synthesis and evaluation of isoleucine derived angiotensin II AT2 receptor ligands. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 476-479.	1.0	5
61	Syntheses of new tuberculosis inhibitors promoted by microwave irradiation. Upsala Journal of Medical Sciences, 2014, 119, 181-191.	0.4	4
62	Palladium(II)-Catalyzed Desulfitative Synthesis of Aryl Ketones from Sodium Arylsulfinates and Nitriles: Scope, Limitations, and Mechanistic Studies. Journal of Organic Chemistry, 2014, 79, 12018-12032.	1.7	63
63	Synthesis of P1â€²-Functionalized Macrocyclic Transition-State Mimicking HIV-1 Protease Inhibitors Encompassing a Tertiary Alcohol. Journal of Medicinal Chemistry, 2014, 57, 6444-6457.	2.9	13
64	Microwave Heated Flow Synthesis of Spiro-oxindole Dihydroquinazolinone Based IRAP Inhibitors. Organic Process Research and Development, 2014, 18, 1582-1588.	1.3	43
65	Achiral Pyrazinone-Based Inhibitors of the Hepatitis C Virus NS3 Protease and Drug-Resistant Variants with Elongated Substituents Directed Toward the S2 Pocket. Journal of Medicinal Chemistry, 2014, 57, 1790-1801.	2.9	19
66	DXR Inhibition by Potent Mono- and Disubstituted Fosmidomycin Analogues. Journal of Medicinal Chemistry, 2013, 56, 6190-6199.	2.9	28
67	Optimizing Solubility and Permeability of a Biopharmaceutics Classification System (BCS) Class 4 Antibiotic Drug Using Lipophilic Fragments Disturbing the Crystal Lattice. Journal of Medicinal Chemistry, 2013, 56, 2690-2694.	2.9	50
68	Palladium-catalyzed carbonylative synthesis of N-cyanobenzamides from aryl iodides/bromides and cyanamide. Tetrahedron Letters, 2013, 54, 6912-6915.	0.7	21
69	Aminocarbonylation of 4-Iodo-1H-imidazoles with an Amino Acid Amide Nucleophile: Synthesis of Constrained H-Phe-Phe-NH₂ Analogues. Journal of Organic Chemistry, 2013, 78, 12251-12256.	1.7	16
70	Design and Synthesis of P1â€“P3 Macrocyclic Tertiary-Alcohol-Comprising HIV-1 Protease Inhibitors. Journal of Medicinal Chemistry, 2013, 56, 8999-9007.	2.9	14
71	Synthesis of antimalarial compounds fosmidomycin and FR900098 through N- or P-alkylation reactions. Tetrahedron, 2013, 69, 1183-1188.	1.0	6
72	Theoretical and Experimental Investigation of Palladium(II)-Catalyzed Decarboxylative Addition of Arenecarboxylic Acid to Nitrile. Organometallics, 2013, 32, 490-497.	1.1	22

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73	One-Pot, Two-Step, Microwave-Assisted Palladium-Catalyzed Conversion of Aryl Alcohols to Aryl Fluorides via Aryl Nonaflates. Journal of Organic Chemistry, 2013, 78, 4184-4189.	1.7	34
74	Diarylated Ethanones from Mo(CO)₆â€Mediated and Microwaveâ€Assisted Palladiumâ€Catalysed Carbonylative Negishi Crossâ€Couplings. European Journal of Organic Chemistry, 2013, 2013, 4729-4733.	1.2	17
75	Decarboxylative Palladium(II)â€Catalyzed Synthesis of Aryl Amidines from Aryl Carboxylic Acids: Development and Mechanistic Investigation. Chemistry - A European Journal, 2013, 19, 13803-13810.	1.7	34
76	Synthesis and Characterization of a High-Affinity NOTA-Conjugated Bombesin Antagonist for GRPR-Targeted Tumor Imaging. Bioconjugate Chemistry, 2013, 24, 1144-1153.	1.8	62
77	Temperature measurements with two different IR sensors in a continuous-flow microwave heated system. Beilstein Journal of Organic Chemistry, 2013, 9, 2079-2087.	1.3	16
78	In Vitro and In Vivo Evaluation of a 18F-Labeled High Affinity NOTA Conjugated Bombesin Antagonist as a PET Ligand for GRPR-Targeted Tumor Imaging. PLoS ONE, 2013, 8, e81932.	1.1	44
79	Molybdenum Hexacarbonyl Mediated CO Gas-Free Carbonylative Reactions. Synlett, 2012, 23, 685-698.	1.0	237
80	Evaluation of a Nonresonant Microwave Applicator for Continuous-Flow Chemistry Applications. Organic Process Research and Development, 2012, 16, 1053-1063.	1.3	67
81	Aminocarbonylations Employing Mo(CO)6 and a Bridged Two-Vial System: Allowing the Use of Nitro Group Substituted Aryl Iodides and Aryl Bromides. Journal of Organic Chemistry, 2012, 77, 11393-11398.	1.7	103
82	Synthesis, X-ray Analysis, and Biological Evaluation of a New Class of Stereopure Lactam-Based HIV-1 Protease Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 2724-2736.	2.9	22
83	Direct Palladium(II)-Catalyzed Synthesis of Arylamidines from Aryltrifluoroborates. Organic Letters, 2012, 14, 2394-2397.	2.4	30
84	Trisubstituted Imidazoles as Mycobacterium tuberculosis Glutamine Synthetase Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 2894-2898.	2.9	63
85	Synthesis, biological evaluation and X-ray crystallographic studies of imidazo[1,2-a]pyridine-based Mycobacterium tuberculosis glutamine synthetase inhibitors. MedChemComm, 2012, 3, 620.	3.5	29
86	Development of Stereocontrolled Palladium(II)â€Catalyzed Domino Heck/Suzuki Î²,Î±â€Diarylation Reactions with Chelating Vinyl Ethers and Arylboronic Acids. ChemistryOpen, 2012, 1, 49-56.	0.9	12
87	Oxidative Heck Reactions using Aryltrifluoroborates and Aryl Nâ€Methyliminodiacetic Acid (MIDA) Boronates. ChemistryOpen, 2012, 1, 140-146.	0.9	5
88	Microwave-assisted synthesis of small molecules targeting the infectious diseases tuberculosis, HIV/AIDS, malaria and hepatitis C. Organic and Biomolecular Chemistry, 2012, 10, 2713.	1.5	49
89	Transmetallation Versus Î²â€Hydride Elimination: The Role of 1,4â€Benzoquinone in Chelationâ€Controlled Arylation Reactions with Arylboronic Acids. Chemistry - A European Journal, 2012, 18, 4714-4722.	1.7	39
90	Synthesis of functionalized furopyrazines as restricted dipeptidomimetics. Tetrahedron, 2012, 68, 3019-3029.	1.0	10

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91	HIV-1 protease inhibitors with a tertiary alcohol containing transition-state mimic and various P2 and P1â€² substituents. MedChemComm, 2011, 2, 701.	3.5	13
92	Microwave-Assisted Synthesis of Weinreb and MAP Aryl Amides via Pd-Catalyzed Heck Aminocarbonylation Using Mo(CO)₆ or W(CO)₆. Journal of Organic Chemistry, 2011, 76, 978-981.	1.7	80
93	Microwave-Assisted Palladium(II)-Catalyzed Synthesis of Aryl Ketones from Aryl Sulfinates and Direct ESI-MS Studies Thereof. ACS Catalysis, 2011, 1, 1455-1459.	5.5	83
94	Synthesis of Functionalized Cinnamaldehyde Derivatives by an Oxidative Heck Reaction and Their Use as Starting Materials for Preparation ofMycobacterium tuberculosis1-Deoxy-d-xylulose-5-phosphate Reductoisomerase Inhibitors. Journal of Organic Chemistry, 2011, 76, 8986-8998.	1.7	50
95	Design, Synthesis, and X-ray Crystallographic Studies of Î±-Aryl Substituted Fosmidomycin Analogues as Inhibitors ofMycobacterium tuberculosis1-Deoxy-d-xylulose 5-Phosphate Reductoisomerase. Journal of Medicinal Chemistry, 2011, 54, 4964-4976.	2.9	62
96	Chelation-Mediated Palladium(II)-Catalyzed Domino Heckâ^'Mizoroki/Suzukiâ^'Miyaura Reactions Using Arylboronic Acids: Increasing Scope and Mechanistic Understanding. Journal of Organic Chemistry, 2011, 76, 2433-2438.	1.7	60
97	Non-peptide AT2-receptor agonists. Current Opinion in Pharmacology, 2011, 11, 187-192.	1.7	96
98	Substitution of the phosphonic acid and hydroxamic acid functionalities of the DXR inhibitor FR900098: An attempt to improve the activity against Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5403-5407.	1.0	24
99	Structural Features Determining the Intestinal Epithelial Permeability and Efflux of Novel HIV-1 Protease Inhibitors. Journal of Pharmaceutical Sciences, 2011, 100, 3763-3772.	1.6	12
100	Investigation of Î±-phenylnorstatine and Î±-benzylnorstatine as transition state isostere motifs in the search for new BACE-1 inhibitors. Bioorganic and Medicinal Chemistry, 2011, 19, 145-155.	1.4	18
101	Continuous Flow Palladium(II)â€Catalyzed Oxidative Heck Reactions with Arylboronic Acids. European Journal of Organic Chemistry, 2010, 2010, 2270-2274.	1.2	41
102	Synthesis of Aryl Ketones by Palladium(II)â€Catalyzed Decarboxylative Addition of Benzoic Acids to Nitriles. Angewandte Chemie - International Edition, 2010, 49, 7733-7737.	7.2	116
103	Synthesis and evaluation of a ¹¹Câ€labelled angiotensin II AT₂ receptor ligand. Journal of Labelled Compounds and Radiopharmaceuticals, 2010, 53, 616-624.	0.5	9
104	Synthesis of a small library of non-symmetric cyclic sulfamide HIV-1 protease inhibitors. Tetrahedron, 2010, 66, 4049-4056.	1.0	14
105	Discovery of achiral inhibitors of the hepatitis C virus NS3 protease based on 2(1H)-pyrazinones. Bioorganic and Medicinal Chemistry, 2010, 18, 6512-6525.	1.4	17
106	HIV-1 Protease Inhibitors with a Transition-State Mimic Comprising a Tertiary Alcohol: Improved Antiviral Activity in Cells. Journal of Medicinal Chemistry, 2010, 53, 607-615.	2.9	36
107	Synthesis of Styrenes by Palladium(II)â€Catalyzed Vinylation of Arylboronic Acids and Aryltrifluoroborates by Using Vinyl Acetate. Chemistry - A European Journal, 2009, 15, 4630-4636.	1.7	64
108	Microwaveâ€Promoted Palladium(II)â€Catalyzed Cï£¿P Bond Formation by Using Arylboronic Acids or Aryltrifluoroborates. Chemistry - A European Journal, 2009, 15, 13069-13074.	1.7	132

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109	Aminocarbonylations of alkenyl phosphates, chlorides, bromides, and triflates with Mo(CO)6 as a solid CO source. Tetrahedron, 2009, 65, 7646-7652.	1.0	44
110	Synthesis and evaluation of a new class of tertiary alcohol based BACE-1 inhibitors. Tetrahedron, 2009, 65, 10047-10059.	1.0	14
111	Î±-Substituted norstatines as the transition-state mimic in inhibitors of multiple digestive vacuole malaria aspartic proteases. Bioorganic and Medicinal Chemistry, 2009, 17, 5933-5949.	1.4	36
112	Functionalized 3-amino-imidazo[1,2-a]pyridines: A novel class of drug-like Mycobacterium tuberculosis glutamine synthetase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 4790-4793.	1.0	85
113	Design and synthesis of BACE-1 inhibitors utilizing a tertiary hydroxyl motif as the transition state mimic. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 4711-4714.	1.0	13
114	Structural Basis for the Inhibition of Mycobacterium tuberculosis Glutamine Synthetase by Novel ATP-Competitive Inhibitors. Journal of Molecular Biology, 2009, 393, 504-513.	2.0	48
115	A straightforward microwave method for rapid synthesis of N-1, C-6 functionalized 3,5-dichloro-2(1H)-pyrazinones. Organic and Biomolecular Chemistry, 2009, 7, 2809.	1.5	28
116	Microwave-promoted aminocarbonylation of aryl triflates using Mo(CO)6 as a solid CO source. Tetrahedron Letters, 2008, 49, 6115-6118.	0.7	58
117	Evaluation of the amino acid binding site of Mycobacterium tuberculosis glutamine synthetase for drug discovery. Bioorganic and Medicinal Chemistry, 2008, 16, 5501-5513.	1.4	33
118	A mechanistic study on modern palladium catalyst precursors as new gateways to Pd(0) in cationic Heck reactions. Tetrahedron, 2008, 64, 1808-1812.	1.0	41
119	Stereoselective Heck arylation of a functionalized cyclopentenyl ether using (S)-N-methyl-pyrrolidine as the stereochemical controller. Tetrahedron, 2008, 64, 8746-8751.	1.0	12
120	Enantiopure 2-aryl-2-methyl cyclopentanones by an asymmetric chelation-controlled Heck reaction using aryl bromides: increased preparative scope and effect of ring size on reactivity and selectivity. Tetrahedron: Asymmetry, 2008, 19, 1120-1126.	1.8	9
121	Microwave-assisted, Mo(CO)6-mediated, palladium-catalyzed amino-carbonylation of aryl halides using allylamine: from exploration to scale-up. Tetrahedron Letters, 2008, 49, 5625-5628.	0.7	37
122	Two-Carbon-Elongated HIV-1 Protease Inhibitors with a Tertiary-Alcohol-Containing Transition-State MimicâŠ¥. Journal of Medicinal Chemistry, 2008, 51, 1053-1057.	2.9	48
123	Fast, Acid-Free, and Selective Lactamization of Lactones in Ionic Liquids. Journal of Organic Chemistry, 2008, 73, 8627-8630.	1.7	30
124	Investigations on the 4-Quinolone-3-carboxylic Acid Motif. 1. Synthesis and Structureâ^'Activity Relationship of a Class of Human Immunodeficiency Virus type 1 Integrase Inhibitors. Journal of Medicinal Chemistry, 2008, 51, 5125-5129.	2.9	151
125	High stereoselectivity in chelation-controlled intermolecular Heck reactions with aryl chlorides, vinyl chlorides and vinyl triflates. Organic and Biomolecular Chemistry, 2008, 6, 674.	1.5	22
126	Microwave-Enhanced α-Arylation of a Protected Glycine in Water:Evaluation of 3-Phenylglycine Derivatives as Inhibitors of the Tuberculosis Enzyme, Glutamine Synthetase. Combinatorial Chemistry and High Throughput Screening, 2007, 10, 783-789.	0.6	11

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127	Highly Regioselective Internal Heck Arylation of Hydroxyalkyl Vinyl Ethers by Aryl Halides in Water. Journal of Organic Chemistry, 2007, 72, 6390-6396.	1.7	80
128	Microwave-Enhanced Copper-Catalyzed N-Arylation of Free and Protected Amino Acids in Water. ACS Combinatorial Science, 2007, 9, 204-209.	3.3	50
129	Microwave-Accelerated Spiro-Cyclizations ofo-Halobenzyl Cyclohexenyl Ethers by Palladium(0) Catalysis. Journal of Organic Chemistry, 2007, 72, 5851-5854.	1.7	27
130	Efficient Palladium(II) Catalysis under Air. Base-Free Oxidative Heck Reactions at Room Temperature or with Microwave Heating. Journal of Organic Chemistry, 2007, 72, 7957-7962.	1.7	120
131	Synthesis of a New Class of Druglike Angiotensin II C-Terminal Mimics with Affinity for the AT2Receptor. Journal of Medicinal Chemistry, 2007, 50, 1711-1715.	2.9	23
132	Controlled Microwave Heating as an Enabling Technology: Expedient Synthesis of Protease Inhibitors in Perspective. QSAR and Combinatorial Science, 2007, 26, 51-68.	1.5	17
133	Open-air oxidative Heck reactions at room temperature. Green Chemistry, 2006, 8, 338.	4.6	78
134	Microwave-Promoted Aminocarbonylation of Aryl Iodides, Aryl Bromides, and Aryl Chlorides in Water. Organometallics, 2006, 25, 1434-1439.	1.1	99
135	Variations of the P2 group in HIV-1 protease inhibitors containing a tertiary alcohol in the transition-state mimicking scaffold. Organic and Biomolecular Chemistry, 2006, 4, 3040.	1.5	16
136	Selective Terminal Heck Arylation of Vinyl Ethers with Aryl Chlorides:â€‰ A Combined Experimentalâ€“Computational Approach Including Synthesis of Betaxolol. Journal of Organic Chemistry, 2006, 71, 3896-3903.	1.7	94
137	Stereoselective Synthesis of 3-Aminoindan-1-ones and Subsequent Incorporation into HIV-1 Protease Inhibitors. Journal of Organic Chemistry, 2006, 71, 1265-1268.	1.7	19
138	Microwave-Accelerated Synthesis of P1â€˜-Extended HIV-1 Protease Inhibitors Encompassing a Tertiary Alcohol in the Transition-State Mimicking Scaffold. Journal of Medicinal Chemistry, 2006, 49, 1828-1832.	2.9	41
139	ESI-MS Detection of Proposed Reaction Intermediates in the Air-Promoted and Ligand-Modulated Oxidative Heck Reaction. Journal of Organic Chemistry, 2006, 71, 8779-8786.	1.7	90
140	A new structural theme in C2-symmetric HIV-1 protease inhibitors: ortho-Substituted P1/P1â€² side chains. Bioorganic and Medicinal Chemistry, 2006, 14, 5303-5315.	1.4	25
141	Hydroxylamine as an ammonia equivalent in microwave-enhanced aminocarbonylations. Tetrahedron, 2006, 62, 4665-4670.	1.0	70
142	Fast and selective synthesis of novel cyclic sulfamide HIV-1 protease inhibitors under controlled microwave heating. Tetrahedron, 2006, 62, 4671-4675.	1.0	23
143	Super fast cobalt carbonyl-mediated synthesis of ureas. Tetrahedron Letters, 2005, 46, 3335-3339.	0.7	41
144	All the Rave in Microwaves. Angewandte Chemie - International Edition, 2005, 44, 7666-7669.	7.2	7

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