

Mats Larhed

List of Publications by Year in descending order

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199
papers

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29994

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209
docs citations

209
times ranked

7030
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave-Accelerated Homogeneous Catalysis in Organic Chemistry. <i>Accounts of Chemical Research</i> , 2002, 35, 717-727.	7.6	701
2	Microwave-assisted high-speed chemistry: a new technique in drug discovery. <i>Drug Discovery Today</i> , 2001, 6, 406-416.	3.2	408
3	Microwave-Promoted Palladium-Catalyzed Coupling Reactions. <i>Journal of Organic Chemistry</i> , 1996, 61, 9582-9584.	1.7	285
4	Dimethylformamide as a Carbon Monoxide Source in Fast Palladium-Catalyzed Aminocarbonylations of Aryl Bromides. <i>Journal of Organic Chemistry</i> , 2002, 67, 6232-6235.	1.7	260
5	Molybdenum Hexacarbonyl Mediated CO Gas-Free Carbonylative Reactions. <i>Synlett</i> , 2012, 23, 685-698.	1.0	237
6	Increasing Rates and Scope of Reactions: Sluggish Amines in Microwave-Heated Aminocarbonylation Reactions under Air. <i>Journal of Organic Chemistry</i> , 2003, 68, 5750-5753.	1.7	223
7	Rapid microwave-assisted Suzuki coupling on solid-phase. <i>Tetrahedron Letters</i> , 1996, 37, 8219-8222.	0.7	192
8	In Situ Generation of Carbon Monoxide from Solid Molybdenum Hexacarbonyl. A Convenient and Fast Route to Palladium-Catalyzed Carbonylation Reactions. <i>ACS Combinatorial Science</i> , 2002, 4, 109-111.	3.3	171
9	Dioxygen-Promoted Regioselective Oxidative Heck Arylations of Electron-Rich Olefins with Arylboronic Acids. <i>Journal of Organic Chemistry</i> , 2004, 69, 5212-5218.	1.7	167
10	Lignin depolymerization to monophenolic compounds in a flow-through system. <i>Green Chemistry</i> , 2017, 19, 5767-5771.	4.6	164
11	High-Speed Heck Reactions in Ionic Liquid with Controlled Microwave Heating. <i>Journal of Organic Chemistry</i> , 2002, 67, 6243-6246.	1.7	162
12	Investigations on the 4-Quinolone-3-carboxylic Acid Motif. 1. Synthesis and Structure-Activity Relationship of a Class of Human Immunodeficiency Virus type 1 Integrase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5125-5129.	2.9	151
13	Highly Regioselective, Sequential, and Multiple Palladium-Catalyzed Arylations of Vinyl Ethers Carrying a Coordinating Auxiliary: An Example of a Heck Triarylation Process. <i>Journal of the American Chemical Society</i> , 2001, 123, 8217-8225.	6.6	147
14	Chelation-controlled, palladium-catalyzed arylation of enol ethers with aryl triflates. Ligand control of selection for β^1 - or β^2 -arylation of [2-(dimethylamino)ethoxy]ethene. <i>Tetrahedron</i> , 1994, 50, 285-304.	1.0	142
15	Microwave-Promoted Palladium(II)-Catalyzed C-C Bond Formation by Using Arylboronic Acids or Aryltrifluoroborates. <i>Chemistry - A European Journal</i> , 2009, 15, 13069-13074.	1.7	132
16	Rapid Fluorous Stille Coupling Reactions Conducted under Microwave Irradiation. <i>Journal of Organic Chemistry</i> , 1997, 62, 5583-5587.	1.7	131
17	Efficient Palladium(II) Catalysis under Air. Base-Free Oxidative Heck Reactions at Room Temperature or with Microwave Heating. <i>Journal of Organic Chemistry</i> , 2007, 72, 7957-7962.	1.7	120
18	Synthesis of Aryl Ketones by Palladium(II)-Catalyzed Decarboxylative Addition of Benzoic Acids to Nitriles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7733-7737.	7.2	116

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19	Microwave-Enhanced Aminocarbonylations in Water. <i>Organic Letters</i> , 2005, 7, 3327-3329.	2.4	112
20	Aminocarbonylations Employing Mo(CO) ₆ and a Bridged Two-Vial System: Allowing the Use of Nitro Group Substituted Aryl Iodides and Aryl Bromides. <i>Journal of Organic Chemistry</i> , 2012, 77, 11393-11398.	1.7	103
21	Microwave-Promoted Aminocarbonylation of Aryl Iodides, Aryl Bromides, and Aryl Chlorides in Water. <i>Organometallics</i> , 2006, 25, 1434-1439.	1.1	99
22	Synthesis of 4-Quinolones via a Carbonylative Sonogashira Cross-Coupling Using Molybdenum Hexacarbonyl as a CO Source. <i>Journal of Organic Chemistry</i> , 2015, 80, 1464-1471.	1.7	99
23	Fast, Convenient, and Efficient Molybdenum-Catalyzed Asymmetric Allylic Alkylation under Noninert Conditions: An Example of Microwave-Promoted Fast Chemistry. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3595-3598.	7.2	97
24	Non-peptide AT ₂ -receptor agonists. <i>Current Opinion in Pharmacology</i> , 2011, 11, 187-192.	1.7	96
25	Easy-to-Execute Carbonylations: A Microwave Synthesis of Acyl Sulfonamides Using Mo(CO) ₆ as a Solid Carbon Monoxide Source. <i>Journal of Organic Chemistry</i> , 2005, 70, 3094-3098.	1.7	95
26	Rapid Palladium-Catalyzed Synthesis of Esters from Aryl Halides Utilizing Mo(CO) ₆ as a Solid Carbon Monoxide Source. <i>ACS Combinatorial Science</i> , 2003, 5, 350-352.	3.3	94
27	Selective Terminal Heck Arylation of Vinyl Ethers with Aryl Chlorides: A Combined Experimental/Computational Approach Including Synthesis of Betaxolol. <i>Journal of Organic Chemistry</i> , 2006, 71, 3896-3903.	1.7	94
28	A New Regioselective Heck Vinylation with Enamides. Synthesis and Investigation of Fluorous-Tagged Bidentate Ligands for Fast Separation. <i>Journal of Organic Chemistry</i> , 2003, 68, 6639-6645.	1.7	90
29	Microwave-Enhanced Carbonylative Generation of Indanones and 3-Acylaminoindanones. <i>Journal of Organic Chemistry</i> , 2005, 70, 346-349.	1.7	90
30	ESI-MS Detection of Proposed Reaction Intermediates in the Air-Promoted and Ligand-Modulated Oxidative Heck Reaction. <i>Journal of Organic Chemistry</i> , 2006, 71, 8779-8786.	1.7	90
31	A New Highly Asymmetric Chelation-Controlled Heck Arylation. <i>Journal of the American Chemical Society</i> , 2003, 125, 3430-3431.	6.6	86
32	Functionalized 3-amino-imidazo[1,2-a]pyridines: A novel class of drug-like Mycobacterium tuberculosis glutamine synthetase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4790-4793.	1.0	85
33	Microwave-Enhanced and Metal-Catalyzed Functionalizations of the 4-Aryl-Dihydropyrimidone Template. <i>ACS Combinatorial Science</i> , 2005, 7, 574-583.	3.3	83
34	Microwave-Assisted Palladium(II)-Catalyzed Synthesis of Aryl Ketones from Aryl Sulfinates and Direct ESI-MS Studies Thereof. <i>ACS Catalysis</i> , 2011, 1, 1455-1459.	5.5	83
35	Highly Regioselective Internal Heck Arylation of Hydroxyalkyl Vinyl Ethers by Aryl Halides in Water. <i>Journal of Organic Chemistry</i> , 2007, 72, 6390-6396.	1.7	80
36	Microwave-Assisted Synthesis of Weinreb and MAP Aryl Amides via Pd-Catalyzed Heck Aminocarbonylation Using Mo(CO) ₆ or W(CO) ₆ . <i>Journal of Organic Chemistry</i> , 2011, 76, 978-981.	1.7	80

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37	Formamide as a Combined Ammonia Synthon and Carbon Monoxide Source in Fast Palladium-Catalyzed Aminocarbonylations of Aryl Halides. <i>ACS Combinatorial Science</i> , 2003, 5, 82-84.	3.3	78
38	Open-air oxidative Heck reactions at room temperature. <i>Green Chemistry</i> , 2006, 8, 338.	4.6	78
39	Aqueous DMF/Potassium Carbonate as a Substitute for Thallium and Silver Additives in the Palladium-Catalyzed Conversion of Aryl Bromides to Acetyl Arenes. <i>Journal of Organic Chemistry</i> , 2001, 66, 4340-4343.	1.7	77
40	Hydroxylamine as an ammonia equivalent in microwave-enhanced aminocarbonylations. <i>Tetrahedron</i> , 2006, 62, 4665-4670.	1.0	70
41	Highly Stereo- and Regioselective Allylations Catalyzed by Mo-Pyridylamide Complexes: Electronic and Steric Effects of the Ligand. <i>Journal of Organic Chemistry</i> , 2000, 65, 5868-5870.	1.7	69
42	Highly Regioselective Palladium-Catalyzed Internal Arylation of Allyltrimethylsilane with Aryl Triflates. <i>Journal of Organic Chemistry</i> , 1998, 63, 5076-5079.	1.7	67
43	Ultrafast Chemistry: Cobalt Carbonyl-Mediated Synthesis of Diaryl Ketones under Microwave Irradiation. <i>Organic Letters</i> , 2003, 5, 4875-4878.	2.4	67
44	High-Speed Optimization of Inhibitors of the Malarial Proteases Plasmeprin I and II. <i>ACS Combinatorial Science</i> , 2003, 5, 456-464.	3.3	67
45	Evaluation of a Nonresonant Microwave Applicator for Continuous-Flow Chemistry Applications. <i>Organic Process Research and Development</i> , 2012, 16, 1053-1063.	1.3	67
46	Regiochemical Control and Suppression of Double Bond Isomerization in the Heck Arylation of 1-(Methoxycarbonyl)-2,5-dihydropyrrole. <i>Journal of Organic Chemistry</i> , 1996, 61, 4756-4763.	1.7	64
47	Synthesis of Styrenes by Palladium(II)-Catalyzed Vinylation of Arylboronic Acids and Aryltrifluoroborates by Using Vinyl Acetate. <i>Chemistry - A European Journal</i> , 2009, 15, 4630-4636.	1.7	64
48	Trisubstituted Imidazoles as Mycobacterium tuberculosis Glutamine Synthetase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2894-2898.	2.9	63
49	Palladium(II)-Catalyzed Desulfitative Synthesis of Aryl Ketones from Sodium Arylsulfonates and Nitriles: Scope, Limitations, and Mechanistic Studies. <i>Journal of Organic Chemistry</i> , 2014, 79, 12018-12032.	1.7	63
50	Design, Synthesis, and X-ray Crystallographic Studies of Aryl Substituted Fosmidomycin Analogues as Inhibitors of Mycobacterium tuberculosis 1-Deoxy-d-xylulose 5-Phosphate Reductoisomerase. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4964-4976.	2.9	62
51	Synthesis and Characterization of a High-Affinity NOTA-Conjugated Bombesin Antagonist for GRPR-Targeted Tumor Imaging. <i>Bioconjugate Chemistry</i> , 2013, 24, 1144-1153.	1.8	62
52	Regioselective Palladium-Catalyzed Synthesis of β^2 -Arylated Primary Allylamine Equivalents by an Efficient Pd-N Coordination. <i>Journal of Organic Chemistry</i> , 2001, 66, 544-549.	1.7	61
53	Chelation-Mediated Palladium(II)-Catalyzed Domino Heck/Mizoroki/Suzuki-Miyaura Reactions Using Arylboronic Acids: Increasing Scope and Mechanistic Understanding. <i>Journal of Organic Chemistry</i> , 2011, 76, 2433-2438.	1.7	60
54	Microwave-assisted high-speed PCR. <i>European Journal of Pharmaceutical Sciences</i> , 2003, 18, 129-132.	1.9	58

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55	Microwave-promoted aminocarbonylation of aryl triflates using Mo(CO) ₆ as a solid CO source. <i>Tetrahedron Letters</i> , 2008, 49, 6115-6118.	0.7	58
56	Rapid Microwave-Induced Palladium-Catalyzed Asymmetric Allylic Alkylation. <i>Journal of Organic Chemistry</i> , 1999, 64, 1082-1083.	1.7	56
57	Fast Synthesis of Aryl Triflates with Controlled Microwave Heating. <i>Organic Letters</i> , 2002, 4, 1231-1233.	2.4	56
58	The Effect of Mini-PEG-Based Spacer Length on Binding and Pharmacokinetic Properties of a ⁶⁸ Ga-Labeled NOTA-Conjugated Antagonistic Analog of Bombesin. <i>Molecules</i> , 2014, 19, 10455-10472.	1.7	55
59	Intermolecular Heck Reaction: Scope, Mechanism, and Other Fundamental Aspects of the Intermolecular Heck Reaction. , 0, , 1133-1178.		53
60	Highly Selective Palladium-Catalyzed Synthesis of Protected $\hat{1}\pm, \hat{1}^2$ -Unsaturated Methyl Ketones and 2-Alkoxy-1,3-butadienes. High-Speed Chemistry by Microwave Flash Heating. <i>Journal of Organic Chemistry</i> , 2000, 65, 4537-4542.	1.7	52
61	Highly Regioselective Palladium-Catalyzed $\hat{1}^2$ -Arylation of N,N-Dialkylallyl amines. <i>Journal of Organic Chemistry</i> , 2000, 65, 7235-7239.	1.7	52
62	Microwave-Enhanced Copper-Catalyzed N-Arylation of Free and Protected Amino Acids in Water. <i>ACS Combinatorial Science</i> , 2007, 9, 204-209.	3.3	50
63	Synthesis of Functionalized Cinnamaldehyde Derivatives by an Oxidative Heck Reaction and Their Use as Starting Materials for Preparation of Mycobacterium tuberculosis 1-Deoxy-d-xylulose-5-phosphate Reductoisomerase Inhibitors. <i>Journal of Organic Chemistry</i> , 2011, 76, 8986-8998.	1.7	50
64	Optimizing Solubility and Permeability of a Biopharmaceutics Classification System (BCS) Class 4 Antibiotic Drug Using Lipophilic Fragments Disturbing the Crystal Lattice. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2690-2694.	2.9	50
65	Microwave-assisted synthesis of small molecules targeting the infectious diseases tuberculosis, HIV/AIDS, malaria and hepatitis C. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2713.	1.5	49
66	Microwave-Promoted and Chelation-Controlled Double Arylations of Terminal Olefinic Carbon of Vinyl Ethers. <i>Journal of Organic Chemistry</i> , 2004, 69, 3345-3349.	1.7	48
67	Two-Carbon-Elongated HIV-1 Protease Inhibitors with a Tertiary-Alcohol-Containing Transition-State Mimic. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1053-1057.	2.9	48
68	Structural Basis for the Inhibition of Mycobacterium tuberculosis Glutamine Synthetase by Novel ATP-Competitive Inhibitors. <i>Journal of Molecular Biology</i> , 2009, 393, 504-513.	2.0	48
69	The effect of macrocyclic chelators on the targeting properties of the ⁶⁸ Ga-labeled gastrin releasing peptide receptor antagonist PEG 2 -RM26. <i>Nuclear Medicine and Biology</i> , 2015, 42, 446-454.	0.3	46
70	Arylboronic acids as versatile coupling partners in fast microwave promoted oxidative Heck chemistry. <i>Molecular Diversity</i> , 2003, 7, 97-106.	2.1	45
71	Palladium-Catalyzed Molybdenum Hexacarbonyl-Mediated Gas-Free Carbonylative Reactions. <i>Synlett</i> , 2019, 30, 141-155.	1.0	45
72	Direct Synthesis of Cyclic Ketals of Acetophenones by Palladium-Catalyzed Arylation of Hydroxyalkyl Vinyl Ethers. <i>Journal of Organic Chemistry</i> , 1997, 62, 7858-7862.	1.7	44

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73	Aminocarbonylations of alkenyl phosphates, chlorides, bromides, and triflates with Mo(CO) ₆ as a solid CO source. <i>Tetrahedron</i> , 2009, 65, 7646-7652.	1.0	44
74	In Vitro and In Vivo Evaluation of a ¹⁸ F-Labeled High Affinity NOTA Conjugated Bombesin Antagonist as a PET Ligand for GRPR-Targeted Tumor Imaging. <i>PLoS ONE</i> , 2013, 8, e81932.	1.1	44
75	Microwave Heated Flow Synthesis of Spiro-oxindole Dihydroquinazolinone Based IRAP Inhibitors. <i>Organic Process Research and Development</i> , 2014, 18, 1582-1588.	1.3	43
76	Super fast cobalt carbonyl-mediated synthesis of ureas. <i>Tetrahedron Letters</i> , 2005, 46, 3335-3339.	0.7	41
77	Microwave-Accelerated Synthesis of P1 ⁺ -Extended HIV-1 Protease Inhibitors Encompassing a Tertiary Alcohol in the Transition-State Mimicking Scaffold. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 1828-1832.	2.9	41
78	A mechanistic study on modern palladium catalyst precursors as new gateways to Pd(0) in cationic Heck reactions. <i>Tetrahedron</i> , 2008, 64, 1808-1812.	1.0	41
79	Continuous Flow Palladium(II)-Catalyzed Oxidative Heck Reactions with Arylboronic Acids. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2270-2274.	1.2	41
80	Transmetalation Versus β -Hydride Elimination: The Role of 1,4-Benzoquinone in Chelation-Controlled Arylation Reactions with Arylboronic Acids. <i>Chemistry - A European Journal</i> , 2012, 18, 4714-4722.	1.7	39
81	Rapid and Stereoselective C-C, C-O, C-N and C-S Couplings via Microwave Accelerated Palladium-Catalyzed Allylic Substitutions. <i>Synthesis</i> , 2000, 2000, 1004-1008.	1.2	37
82	Microwave-assisted, Mo(CO) ₆ -mediated, palladium-catalyzed amino-carbonylation of aryl halides using allylamine: from exploration to scale-up. <i>Tetrahedron Letters</i> , 2008, 49, 5625-5628.	0.7	37
83	High-Speed Synthesis of Potent C2-Symmetric HIV-1 Protease Inhibitors by In-Situ Aminocarbonylations. <i>ACS Combinatorial Science</i> , 2005, 7, 611-617.	3.3	36
84	β -Substituted norstatins as the transition-state mimic in inhibitors of multiple digestive vacuole malaria aspartic proteases. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5933-5949.	1.4	36
85	HIV-1 Protease Inhibitors with a Transition-State Mimic Comprising a Tertiary Alcohol: Improved Antiviral Activity in Cells. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 607-615.	2.9	36
86	Masked 3-Aminoindan-1-ones by a Palladium-Catalyzed Three-Component Annulation Reaction. <i>Journal of Organic Chemistry</i> , 2005, 70, 938-942.	1.7	35
87	Binding to and Inhibition of Insulin-Regulated Aminopeptidase by Macrocyclic Disulfides Enhances Spine Density. <i>Molecular Pharmacology</i> , 2016, 89, 413-424.	1.0	35
88	One-Pot, Two-Step, Microwave-Assisted Palladium-Catalyzed Conversion of Aryl Alcohols to Aryl Fluorides via Aryl Nonaflates. <i>Journal of Organic Chemistry</i> , 2013, 78, 4184-4189.	1.7	34
89	Decarboxylative Palladium(II)-Catalyzed Synthesis of Aryl Amidines from Aryl Carboxylic Acids: Development and Mechanistic Investigation. <i>Chemistry - A European Journal</i> , 2013, 19, 13803-13810.	1.7	34
90	Evaluation of the amino acid binding site of Mycobacterium tuberculosis glutamine synthetase for drug discovery. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 5501-5513.	1.4	33

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91	Chelation-Controlled, Palladium-Catalyzed Arylation of Vinyl Ethers.. Acta Chemica Scandinavica, 1993, 47, 212-217.	0.7	33
92	A rapid microwave protocol for Heck vinylation of aryl chlorides under air. Molecular Diversity, 2003, 7, 107-114.	2.1	31
93	Angiotensin II Pseudopeptides Containing 1,3,5-Trisubstituted Benzene Scaffolds with High AT2Receptor Affinity. Journal of Medicinal Chemistry, 2005, 48, 6620-6631.	2.9	31
94	Rapid and Efficient Conversion of CO_2 to CO through Silacarboxylic Acids: Applications in Pd-Mediated Carbonylations. Chemistry - A European Journal, 2015, 21, 17601-17604.	1.7	31
95	Heck Arylation of 1,2-Cyclohexanedione and 2-Ethoxy-2-cyclohexenone. Journal of Organic Chemistry, 1998, 63, 4158-4162.	1.7	30
96	Fast, Acid-Free, and Selective Lactamization of Lactones in Ionic Liquids. Journal of Organic Chemistry, 2008, 73, 8627-8630.	1.7	30
97	Direct Palladium(II)-Catalyzed Synthesis of Arylamidines from Aryltrifluoroborates. Organic Letters, 2012, 14, 2394-2397.	2.4	30
98	Trastuzumab cotreatment improves survival of mice with PC β prostate cancer xenografts treated with the GRPR antagonist ^{177}Lu -DOTAGA-PEG $_2$ - α RM26. International Journal of Cancer, 2019, 145, 3347-3358.	2.3	30
99	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
100	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
101	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
102	DXR Inhibition by Potent Mono- and Disubstituted Fosmidomycin Analogues. Journal of Medicinal Chemistry, 2013, 56, 6190-6199.	2.9	28
103	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
104	Microwave-Accelerated Spiro-Cyclizations of α -Halobenzyl Cyclohexenyl Ethers by Palladium(0) Catalysis. Journal of Organic Chemistry, 2007, 72, 5851-5854.	1.7	27
105	Palladium(II)-Catalyzed Decarboxylative Heck Arylations of Acyclic Electron-Rich Olefins with Internal Selectivity. Advanced Synthesis and Catalysis, 2014, 356, 870-878.	2.1	27
106	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
107	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
108	Bispecific GRPR-Antagonistic Anti-PSMA/GRPR Heterodimer for PET and SPECT Diagnostic Imaging of Prostate Cancer. Cancers, 2019, 11, 1371.	1.7	26

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109	Microwave-mediated palladium-catalyzed asymmetric allylic alkylation; an example of highly selective fast chemistry. <i>Journal of Organometallic Chemistry</i> , 2000, 603, 2-5.	0.8	25
110	A new structural theme in C2-symmetric HIV-1 protease inhibitors: ortho-Substituted P1/P1' side chains. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 5303-5315.	1.4	25
111	Continuous Flow Synthesis under High-Temperature/High-Pressure Conditions Using a Resistively Heated Flow Reactor. <i>Organic Process Research and Development</i> , 2017, 21, 947-955.	1.3	25
112	Terminal Heck Vinylations of Chelating Vinyl Ethers. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1773-1781.	2.1	24
113	Substitution of the phosphonic acid and hydroxamic acid functionalities of the DXR inhibitor FR900098: An attempt to improve the activity against <i>Mycobacterium tuberculosis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5403-5407.	1.0	24
114	Microwave Heated Continuous Flow Palladium(II)-Catalyzed Desulfitative Synthesis of Aryl Ketones. <i>Organic Process Research and Development</i> , 2016, 20, 2005-2011.	1.3	24
115	Protected Indanones by a Heck Aldol Annulation Reaction. <i>Journal of Organic Chemistry</i> , 2002, 67, 5854-5856.	1.7	23
116	Fast and selective synthesis of novel cyclic sulfamide HIV-1 protease inhibitors under controlled microwave heating. <i>Tetrahedron</i> , 2006, 62, 4671-4675.	1.0	23
117	Synthesis of a New Class of Druglike Angiotensin II C-Terminal Mimics with Affinity for the AT2 Receptor. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 1711-1715.	2.9	23
118	Aspartic protease inhibitors containing tertiary alcohol transition-state mimics. <i>European Journal of Medicinal Chemistry</i> , 2015, 90, 462-490.	2.6	23
119	Selectivity and reactivity in asymmetric allylic alkylation. <i>Pure and Applied Chemistry</i> , 1999, 71, 1477-1483.	0.9	22
120	High stereoselectivity in chelation-controlled intermolecular Heck reactions with aryl chlorides, vinyl chlorides and vinyl triflates. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 674.	1.5	22
121	Synthesis, X-ray Analysis, and Biological Evaluation of a New Class of Stereopure Lactam-Based HIV-1 Protease Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2724-2736.	2.9	22
122	Theoretical and Experimental Investigation of Palladium(II)-Catalyzed Decarboxylative Addition of Arenecarboxylic Acid to Nitrile. <i>Organometallics</i> , 2013, 32, 490-497.	1.1	22
123	Palladium-catalyzed carbonylative synthesis of N-cyanobenzamides from aryl iodides/bromides and cyanamide. <i>Tetrahedron Letters</i> , 2013, 54, 6912-6915.	0.7	21
124	Inhibition of Insulin-Regulated Aminopeptidase (IRAP) by Arylsulfonamides. <i>ChemistryOpen</i> , 2014, 3, 256-263.	0.9	20
125	Stereoselective Synthesis of 3-Aminoindan-1-ones and Subsequent Incorporation into HIV-1 Protease Inhibitors. <i>Journal of Organic Chemistry</i> , 2006, 71, 1265-1268.	1.7	19
126	Achiral Pyrazinone-Based Inhibitors of the Hepatitis C Virus NS3 Protease and Drug-Resistant Variants with Elongated Substituents Directed Toward the S2 Pocket. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 1790-1801.	2.9	19

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127	3-Substituted pyrazoles and 4-substituted triazoles as inhibitors of human 15-lipoxygenase-1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3024-3029.	1.0	19
128	Heterodimeric Radiotracer Targeting PSMA and GRPR for Imaging of Prostate Cancer—Optimization of the Affinity towards PSMA by Linker Modification in Murine Model. <i>Pharmaceutics</i> , 2020, 12, 614.	2.0	19
129	Investigation of $\hat{I}\pm$ -phenylnorstatine and $\hat{I}\pm$ -benzylnorstatine as transition state isostere motifs in the search for new BACE-1 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 145-155.	1.4	18
130	Microwave Promoted Transcarbamylation Reaction of Sulfonylcarbamates under Continuous-Flow Conditions. <i>Organic Process Research and Development</i> , 2016, 20, 440-445.	1.3	18
131	Controlled Microwave Heating as an Enabling Technology: Expedient Synthesis of Protease Inhibitors in Perspective. <i>QSAR and Combinatorial Science</i> , 2007, 26, 51-68.	1.5	17
132	Discovery of achiral inhibitors of the hepatitis C virus NS3 protease based on 2(1H)-pyrazinones. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 6512-6525.	1.4	17
133	Diarylated Ethanones from Mo(CO) ₆ -Mediated and Microwave-Assisted Palladium-Catalysed Carbonylative Negishi Cross-Couplings. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4729-4733.	1.2	17
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