

Controlled Microwave Heating in Modern Organic Synthesis

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Solvent-free accelerated organic syntheses using microwaves. <i>Pure and Applied Chemistry</i> , 2001, 73, 193-198.	0.9	302
2	Recent progress in the chemistry of multicomponent reactions. <i>Pure and Applied Chemistry</i> , 2001, 73, 187-191.	0.9	393
3	Dry media reactions. <i>Pure and Applied Chemistry</i> , 2001, 73, 147-151.	0.9	138
4	Organic Synthesis Using Microwaves and Supported Reagents. , 0, , 181-218.		15
5	Stereoconservative Negishi arylation and alkynylation as an efficient approach to enantiopure 2,2- α^2 -diarylated 1,1- α^2 -binaphthyls. <i>Chemical Communications</i> , 2004, , 2606-2607.	2.2	42
6	N-heterocyclic carbene- α -palladium catalysts for the bisdiene cyclization-trapping reaction with sulfonamides under thermal and microwave conditions. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 6205-6209.	0.8	10
7	Microwave-assisted solvent-free heterocyclic synthesis. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2005, 6, 139-167.	5.6	137
8	Microwave-assisted ethylene- α -alkyne cross-metathesis: synthesis of chiral 2-(N-1-acetyl-1-arylmethyl)-1,3-butadienes. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2893-2896.	1.8	32
9	Pictet- α -Spengler heterocyclizations via microwave-assisted degradation of DMSO. <i>Tetrahedron Letters</i> , 2005, 46, 2465-2468.	0.7	43
10	A rapid microwave-assisted esterification utilizing the Mukaiyama supported reagent. <i>Tetrahedron Letters</i> , 2005, 46, 2817-2819.	0.7	41
11	Highly regioselective Diels- α -Alder reactions of 9-substituted anthracenes and 2-acetamidoacrylate: synthesis of conformationally constrained β -amino acids. <i>Tetrahedron Letters</i> , 2005, 46, 2857-2860.	0.7	16
12	A base-catalyzed, direct synthesis of 3,5-disubstituted 1,2,4-triazoles from nitriles and hydrazides. <i>Tetrahedron Letters</i> , 2005, 46, 3429-3432.	0.7	83
13	Super fast cobalt carbonyl-mediated synthesis of ureas. <i>Tetrahedron Letters</i> , 2005, 46, 3335-3339.	0.7	41
14	Microwave-accelerated Fischer glycosylation. <i>Tetrahedron Letters</i> , 2005, 46, 3485-3488.	0.7	75
15	Efficient synthesis of novel pentacyclic 6,7-dihydro-5a,7a,13,14-tetraaza-pentaphene-5,8-diones. <i>Tetrahedron Letters</i> , 2005, 46, 3445-3447.	0.7	23
16	An atom efficient and solvent-free synthesis of structurally diverse amides using microwaves. <i>Tetrahedron Letters</i> , 2005, 46, 3751-3754.	0.7	63
17	Mn(III)-Promoted cyclization of substituted thioformanilides under microwave irradiation: a new reagent for 2-substituted benzothiazoles. <i>Tetrahedron Letters</i> , 2005, 46, 4345-4347.	0.7	121
18	Microwave-promoted synthesis of amino-substituted 2-pyridone derivatives via palladium-catalyzed amination reaction. <i>Tetrahedron Letters</i> , 2005, 46, 4621-4625.	0.7	36

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20	ZnO: a versatile agent for benzylic oxidations. <i>Tetrahedron Letters</i> , 2005, 46, 4957-4960.	0.7	76
21	Microwave mediated hydrogen deuterium exchange: a rapid synthesis of 2H-substituted benzimidazole. <i>Tetrahedron Letters</i> , 2005, 46, 5195-5197.	0.7	19
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23	An efficient synthesis of 2-aryl-3-methoxy-2-cycloalkenones via Suzuki-Miyaura reaction under microwave irradiation. <i>Tetrahedron Letters</i> , 2005, 46, 5987-5990.	0.7	16
24	Microwave enhanced cross-coupling reactions involving potassium organotrifluoroborates. <i>Tetrahedron Letters</i> , 2005, 46, 6329-6331.	0.7	40
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26	An improved synthesis of 3-aminoestrone. <i>Tetrahedron Letters</i> , 2005, 46, 7111-7115.	0.7	20
27	Microwave-accelerated cross-metathesis reactions of N-allyl amino acid substrates. <i>Tetrahedron Letters</i> , 2005, 46, 7389-7392.	0.7	14
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29	Synthesis of functionalized polyhedral oligomeric silsesquioxane (POSS) macromers by microwave assisted 1,3-dipolar cycloaddition. <i>Tetrahedron</i> , 2005, 61, 7986-7993.	1.0	35
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33	Combining enabling techniques in organic synthesis: solid-phase-assisted catalysis under microwave conditions using a stable Pd(II)-precatalyst. <i>Tetrahedron</i> , 2005, 61, 12121-12130.	1.0	51
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47	All the Rave in Microwaves. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7666-7669.	7.2	7
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56	A Microcapillary System for Simultaneous, Parallel Microwave-Assisted Synthesis. <i>Chemistry - A European Journal</i> , 2005, 11, 7223-7227.	1.7	104

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1736	A Continuous-Flow Microwave Reactor for Conducting High-Temperature and High-Pressure Chemical Reactions. <i>Organic Process Research and Development</i> , 2014, 18, 1310-1314.	1.3	60
1737	Role of microwaves in heterogeneous catalytic systems. <i>Catalysis Science and Technology</i> , 2014, 4, 1197.	2.1	136
1738	Recent Progress in Rare Earth Micro/Nanocrystals: Soft Chemical Synthesis, Luminescent Properties, and Biomedical Applications. <i>Chemical Reviews</i> , 2014, 114, 2343-2389.	23.0	1,259
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1745	Synthesis and Characterization Silver, Zinc Oxide and Hybrid Silver/Zinc Oxide Nanoparticles for Antimicrobial Applications. <i>Nano LIFE</i> , 2014, 04, 1440003.	0.6	29
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1747	Stereocomplex formation of polylactide using microwave irradiation. <i>Polymer International</i> , 2014, 63, 741-745.	1.6	6
1748	Prussian Blue as an Eco-Friendly Catalyst for Selective Nitration of Organic Compounds Under Conventional and Nonconventional Conditions. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2014, 44, 364-370.	0.6	10
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1750	Review of the progress in preparing nano TiO ₂ : An important environmental engineering material. <i>Journal of Environmental Sciences</i> , 2014, 26, 2139-2177.	3.2	202
1751	Microwave assisted synthesis of cyclic carbonates from olefins with sodium bicarbonates as the C1 source. <i>Chemical Communications</i> , 2014, 50, 3245.	2.2	36
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1754	Low-Temperature Microwave Annealing Processes for Future IC Fabrication—A Review. <i>IEEE Transactions on Electron Devices</i> , 2014, 61, 651-665.	1.6	58
1755	Facile, high-yielding preparation of pyrrolidinium, piperidinium, morpholinium and 2,3-dihydro-1H-isoindolinium salts and ionic liquids from secondary amines. <i>RSC Advances</i> , 2014, 4, 23327-23337.	1.7	11
1756	Production of platform molecules from sweet sorghum. <i>RSC Advances</i> , 2014, 4, 2081-2088.	1.7	27
1757	Microwave-assisted palladium mediated efficient synthesis of pyrazolo[3,4- <i>b</i>]pyridines, pyrazolo[3,4- <i>b</i>]quinolines, pyrazolo[1,5- <i>a</i>]pyrimidines and pyrazolo[1,5- <i>a</i>]quinazolines. <i>RSC Advances</i> , 2014, 4, 24001-24006.	1.7	56
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1878	Integrated flow reactor that combines high-shear mixing and microwave irradiation for biodiesel production. <i>Biomass and Bioenergy</i> , 2015, 77, 186-191.	2.9	38
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1932	Synthesis of Z-di/tetra/hexahydroindaphtho[2,1-b:1',2'-d][1,6]dioxacycloalkenes via microwave-accelerated ring closing metathesis and their antimicrobial activity. <i>Russian Journal of General Chemistry</i> , 2015, 85, 1152-1155.	0.3	5
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1940	Green synthesis of (2E,2'E)-1,1'-(4,6-dihydroxy-1,3-phenylene)bis-3-(3-aryl-1-phenyl-1H-pyrazol-4-yl)-prop-2-en-1-ones. <i>Russian Journal of General Chemistry</i> , 2015, 85, 752-755.	0.3	2

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1950	Efficient sodium bisulfite-catalyzed synthesis of benzothiazoles and their potential as ureases inhibitors. <i>RSC Advances</i> , 2015, 5, 28814-28821.	1.7	23
1951	Green Processes for Nanotechnology. , 2015, , .		34
1952	Microwave-promoted solventless Mizoroki-Heck reactions catalysed by Pd nanoparticles supported on laponite clay. <i>RSC Advances</i> , 2015, 5, 10102-10109.	1.7	22
1953	Suzuki-Miyaura reaction by heterogeneously supported Pd in water: recent studies. <i>RSC Advances</i> , 2015, 5, 42193-42221.	1.7	123
1954	Covalent functionalization of N-doped graphene by N-alkylation. <i>Chemical Communications</i> , 2015, 51, 16916-16919.	2.2	24
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1966	Beyond Organometallic Flow Chemistry: The Principles Behind the Use of Continuous-Flow Reactors for Synthesis. <i>Topics in Organometallic Chemistry</i> , 2015, , 1-41.	0.7	50
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1970	Effects of different drying methods on the grinding characteristics of Ximeng lignite. <i>Fuel</i> , 2015, 162, 305-312.	3.4	18
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1972	Radiosynthesis of 4-[¹⁸ F]fluoro-L-tryptophan by isotopic exchange on carbonyl-activated precursors. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5856-5869.	1.4	14
1973	Microwave-assisted synthesis, characterisation and mesomorphic investigations of novel disubstituted arylhydrazones. <i>Liquid Crystals</i> , 2015, 42, 1179-1190.	0.9	8
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1982	Facile Baeyer-Villiger oxidation of cyclic ketones: conventional versus microwave-assisted approach. <i>Tetrahedron Letters</i> , 2015, 56, 5723-5726.	0.7	13
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1987	Applications of Microwaves in the Synthesis of Polycyclic Six-Membered <i>N,N</i> -Heterocycles. <i>Synthetic Communications</i> , 2015, 45, 1599-1631.	1.1	54
1988	MoO ₂ Cl ₂ (DMF) ₂ catalyzed microwave assisted reductive cyclisation of nitroaromatics into dibenzodiazepines. <i>RSC Advances</i> , 2015, 5, 5256-5260.	1.7	7
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2001	A rapid and an efficient synthesis for 3,5-disubstituted 1,2,4-oxadiazoles under microwave irradiation. <i>Research on Chemical Intermediates</i> , 2015, 41, 1601-1606.	1.3	3
2002	Microwave-Assisted Direct Amidation of Ethyl 1-Phenyl-5-Hydroxy-1 <i>H</i> -pyrazole-4-carboxylate. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 556-561.	1.4	3
2003	Convenient synthesis, antibacterial activity, and crystal structure of some biologically important hydrazinecarbonyl benzenesulfonamides. <i>Research on Chemical Intermediates</i> , 2015, 41, 3949-3970.	1.3	3
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2005	Binary metal oxide: advanced energy storage materials in supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 43-59.	5.2	523
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2007	Microwave-assisted Synthesis of 6-[(5-Aryl-1,3,4-oxadiazol-2-yl)methyl]-6 <i>H</i> -indolo[2,3- <i>b</i>]quinoxalines. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1737-1742.	1.4	7
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2011	Crystal Chemistry and Selected Physical Properties of Inorganic Fluorides and Oxide-Fluorides. <i>Chemical Reviews</i> , 2015, 115, 1191-1254.	23.0	135
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2013	Review on the Synthesis of Six-Membered <i>N,N</i> -Heterocycles by Microwave Irradiation. <i>Synthetic Communications</i> , 2015, 45, 1145-1182.	1.1	67

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