

Antonio de la Hoz

List of Publications by Year in descending order

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202
papers

7,371
citations

53660

45
h-index

69108

77
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271
all docs

271
docs citations

271
times ranked

7663
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwaves in organic synthesis. Thermal and non-thermal microwave effects. <i>Chemical Society Reviews</i> , 2005, 34, 164-178.	18.7	1,640
2	Few-layer graphenes from ball-milling of graphite with melamine. <i>Chemical Communications</i> , 2011, 47, 10936.	2.2	299
3	Microwave irradiation: more than just a method for accelerating reactions. <i>Contemporary Organic Synthesis</i> , 1997, 4, 373-386.	1.5	216
4	Femtosecond Dynamics of Double Proton Transfer in a Model DNA Base Pair: 7-Azaindole Dimers in the Condensed Phase. <i>Journal of Physical Chemistry A</i> , 1999, 103, 7419-7431.	1.1	182
5	Cycloadditions under Microwave Irradiation Conditions: Methods and Applications. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3659-3673.	1.2	160
6	A Critical Overview on the Effect of Microwave Irradiation in Organic Synthesis. <i>Chemical Record</i> , 2019, 19, 85-97.	2.9	118
7	Selectivity in Organic Synthesis Under Microwave Irradiation. <i>Current Organic Chemistry</i> , 2004, 8, 903-918.	0.9	90
8	Solvent-Free Thermal and Microwave-Assisted [3 + 2] Cycloadditions between Stabilized Azomethine Ylides and Nitrostyrenes. An Experimental and Theoretical Study. <i>Journal of Organic Chemistry</i> , 2007, 72, 4313-4322.	1.7	85
9	Modification of Regioselectivity in Cycloadditions to C70 under Microwave Irradiation. <i>Journal of Organic Chemistry</i> , 2000, 65, 2499-2507.	1.7	84
10	Phase Transfer Catalysis without Solvent. Synthesis of Bisazolyalkanes. <i>Heterocycles</i> , 1992, 34, 1365.	0.4	77
11	Efficient tautomerization hydrazone-azomethine imine under microwave irradiation. Synthesis of [4,3- λ^5] and [5,3- λ^5] bipyrazoles. <i>Tetrahedron</i> , 1998, 54, 13167-13180.	1.0	75
12	Cycloadditions to [60]fullerene using microwave irradiation: A convenient and expeditious procedure. <i>Tetrahedron</i> , 1997, 53, 2599-2608.	1.0	73
13	Green and chemoselective oxidation of sulfides with sodium perborate and sodium percarbonate: nucleophilic and electrophilic character of the oxidation system. <i>Green Chemistry</i> , 2007, 9, 331-336.	4.6	70
14	Pushing nuclear magnetic resonance sensitivity limits with microfluidics and photo-chemically induced dynamic nuclear polarization. <i>Nature Communications</i> , 2018, 9, 108.	5.8	69
15	Use of Microwave Irradiation and Solid Acid Catalysts in an Enhanced and Environmentally Friendly Synthesis of Coumarin Derivatives. <i>Synlett</i> , 1999, 1999, 608-610.	1.0	68
16	NMR reaction monitoring in flow synthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 285-300.	1.3	66
17	Visible-Light-Induced Nickel-Catalyzed Negishi Cross-Couplings by Exogenous Photosensitizer-Free Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8473-8477.	7.2	65
18	Synthesis of Pyrazolo[3,4-b]pyridines by Cycloaddition Reactions under Microwave Irradiation. <i>Tetrahedron</i> , 2000, 56, 1569-1577.	1.0	64

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19	Thermal and Microwave-Assisted Synthesis of Diels-Alder Adducts of [60]Fullerene with 2,3-Pyrazinoquinodimethanes: Characterization and Electrochemical Properties. <i>Journal of Organic Chemistry</i> , 1997, 62, 3705-3710.	1.7	62
20	Synthesis and Properties of Isoxazolo[60]fullerene-Donor Dyads. <i>Journal of Organic Chemistry</i> , 2000, 65, 8675-8684.	1.7	62
21	C60-Based Triads with Improved Electron-Acceptor Properties: Pyrazolylpyrazolino[60]fullerenes. <i>Journal of Organic Chemistry</i> , 2001, 66, 5033-5041.	1.7	60
22	Anion-Dependent Self-Assembly of Silver(I) and Diaminotriazines to Coordination Polymers: Non-Covalent Bonds and Role Interchange between Silver and Hydrogen Bonds. <i>Inorganic Chemistry</i> , 2008, 47, 8957-8971.	1.9	60
23	Ball-Milling Modification of Single-Walled Carbon Nanotubes: Purification, Cutting, and Functionalization. <i>Small</i> , 2011, 7, 665-674.	5.2	60
24	Reaction of C60 with Sultines: Synthesis, Electrochemistry, and Theoretical Calculations of Organofullerene Acceptors. <i>Journal of Organic Chemistry</i> , 1997, 62, 7585-7591.	1.7	59
25	Microwave irradiation in solvent-free conditions: an eco-friendly methodology to prepare indazoles, pyrazolopyridines and bipyrazoles by cycloaddition reactions. <i>Green Chemistry</i> , 2000, 2, 165-172.	4.6	59
26	Green synthesis and self-association of 2,4-diamino-1,3,5-triazine derivatives. <i>New Journal of Chemistry</i> , 2004, 28, 952-958.	1.4	57
27	Synthesis, electrochemistry and photophysical properties of phenylenevinylene fullerodendrimers. <i>Tetrahedron Letters</i> , 2001, 42, 3435-3438.	0.7	56
28	Solvent-free phase transfer catalysis under microwaves in fullerene chemistry. A convenient preparation of N-alkylpyrrolidino[60]fullerenes. <i>Tetrahedron Letters</i> , 1998, 39, 6053-6056.	0.7	55
29	Preparation of amides mediated by isopropylmagnesium chloride under continuous flow conditions. <i>Green Chemistry</i> , 2012, 14, 1335.	4.6	54
30	Influence of Polarity and Activation Energy in Microwave-Assisted Organic Synthesis (MAOS). <i>ChemistryOpen</i> , 2015, 4, 308-317.	0.9	54
31	Microwave-assisted reactions of nitroheterocycles with dienes. Diels-Alder and tandem hetero Diels-Alder/[3,3] sigmatropic shift. <i>Tetrahedron</i> , 2009, 65, 5328-5336.	1.0	53
32	Synthesis of new C60-donor dyads by reaction of pyrazolylhydrazones with [60]fullerene under microwave irradiation. <i>Tetrahedron Letters</i> , 1999, 40, 1587-1590.	0.7	52
33	Selective Alkylations of 1,2,4-Triazole and Benzotriazole in the Absence of Solvent. <i>Heterocycles</i> , 1994, 38, 793.	0.4	50
34	Synthesis, Characterization and Dynamic Behavior of (Callyl)palladium Complexes with Polydentate Nitrogen Ligands, Evidence of a Dissociative Mechanism. <i>Chemische Berichte</i> , 1996, 129, 589-594.	0.2	50
35	Synthesis of 1,3,5-triazines in solvent-free conditions catalysed by silica-supported lewis acids. <i>Green Chemistry</i> , 2002, 4, 339-343.	4.6	50
36	Fullerene chemistry under microwave irradiation. <i>Carbon</i> , 2000, 38, 1641-1646.	5.4	49

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37	Pd(II) Complexes with Polydentate Nitrogen Ligands. Molecular Recognition and Dynamic Behavior Involving Pd ^{II} -N Bond Rupture. X-ray Molecular Structures of [Pd(C ₆ H ₄) ₂ (bpzpm)] and [Pd(1,3-C ₄ H ₇) ₂ (bpzpm)] (CF ₃ SO ₃) ₂ [bpzpm = 4,6-Bis(pyrazol-1-yl)pyrimidine]. <i>Inorganic Chemistry</i> , 2000, 39, 1152-1162.	1.9	49
38	Cross-Coupling in Flow using Supported Catalysts: Mild, Clean, Efficient and Sustainable Suzuki-Miyaura Coupling in a Single Pass. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3456-3460.	2.1	48
39	New complexes with pyrazole-containing ligands and different metallic centres. Comparative study of their fluxional behaviour involving M-N bond rupture. <i>New Journal of Chemistry</i> , 2001, 25, 1050-1060.	1.4	47
40	Synthesis and properties of pyrazolino[60]fullerene-donor systems. <i>Tetrahedron</i> , 2002, 58, 5821-5826.	1.0	47
41	Microwave-Assisted Reactions in Heterocyclic Compounds with Applications in Medicinal and Supramolecular Chemistry. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2007, 10, 877-902.	0.6	47
42	On-line monitoring of a microwave-assisted chemical reaction by nanolitre NMR-spectroscopy. <i>Chemical Communications</i> , 2010, 46, 4514.	2.2	46
43	Synthesis and Characterization of Palladium(II) Complexes with New Polydentate Nitrogen Ligands. Dynamic Behavior Involving Pd ^{II} -N Bond Rupture. X-ray Molecular Structure of [Pd(1,3-C ₄ H ₇) ₂ (Me-BPzTO)](4-MeC ₆ H ₄ SO ₃) [Me-BPzTO = 4,6-Bis(4-methylpyrazol-1-yl)-1,3,5-triazin-2-olate]. <i>Inorganic Chemistry</i> , 1998, 37, 6606-6614.	1.9	45
44	Electroactive 3 ⁺ -(N-phenylpyrazolyl)isoxazoline[4 ⁺ ,5 ⁺][60]fullerene dyads. <i>Tetrahedron Letters</i> , 1999, 40, 4889-4892.	0.7	45
45	Solvent-free preparation of tris-pyrazolyl-1,3,5-triazines. <i>Tetrahedron</i> , 2001, 57, 4397-4403.	1.0	45
46	Selective lithiation of bis(azol-1-yl)methanes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 1079-1083.	0.9	43
47	Photoinduced Palladium-Catalyzed Negishi Cross-Couplings Enabled by the Visible-Light Absorption of Palladium-Zinc Complexes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13231-13236.	7.2	43
48	Reformatsky and Blaise reactions in flow as a tool for drug discovery. One pot diversity oriented synthesis of valuable intermediates and heterocycles. <i>Green Chemistry</i> , 2017, 19, 1420-1424.	4.6	41
49	1,3-Dipolar Cycloadditions of Pyridinium Dicyanomethylide under Microwave Irradiation. <i>Heterocycles</i> , 1994, 38, 785.	0.4	40
50	Microwave assisted synthesis and crystal structures of 2-imidazolines and imidazoles. <i>Tetrahedron</i> , 2006, 62, 5868-5874.	1.0	40
51	Grignard Reagents on a Tab: Direct Magnesium Insertion under Flow Conditions. <i>Organic Letters</i> , 2017, 19, 3747-3750.	2.4	40
52	Microwave-Assisted Green Organic Synthesis. <i>RSC Green Chemistry</i> , 2016, , 1-33.	0.0	40
53	Alkylation and arylation of pyrazoles under solvent-free conditions: Conventional heating versus microwave irradiation. <i>Journal of Heterocyclic Chemistry</i> , 1998, 35, 1263-1268.	1.4	39
54	Phase transfer catalysis without solvent: selective mono- or di-alkylation of malononitrile. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1991, , 2589-2592.	0.9	38

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55	First Example of Alkyl-aryl Negishi Cross-Coupling in Flow: Mild, Efficient and Clean Introduction of Functionalized Alkyl Groups. <i>Journal of Flow Chemistry</i> , 2015, 4, 22-25.	1.2	38
56	Microwave assisted synthesis of heterocyclic fused quinones in dry media. <i>Tetrahedron Letters</i> , 1995, 36, 2165-2168.	0.7	37
57	Computational calculations in microwave-assisted organic synthesis (MAOS). Application to cycloaddition reactions. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1000.	1.5	37
58	1,3-Dipolar Cycloaddition of Nitriles under Microwave Irradiation in Solvent-Free Conditions. <i>Heterocycles</i> , 1996, 43, 1021.	0.4	36
59	Solvent-Free Benzylations of 2-Pyridone. Regiospecific N- or C-Alkylation. <i>Chemistry Letters</i> , 1996, 25, 333-334.	0.7	36
60	Preparation of α - and β -substituted alanine derivatives by α -amidoalkylation or Michael addition reactions under heterogeneous catalysis assisted by microwave irradiation. <i>Tetrahedron</i> , 2001, 57, 5421-5428.	1.0	36
61	DFT Studies on Cobalt-Catalyzed Cyclotrimerization Reactions: The Mechanism and Origin of Reaction Improvement under Microwave Irradiation. <i>Chemistry - A European Journal</i> , 2012, 18, 6217-6224.	1.7	36
62	Mechanical Processing of Naturally Bent Organic Crystalline Microoptical Waveguides and Junctions. <i>Small</i> , 2021, 17, e2006795.	5.2	36
63	Synthesis of N-Alkylpyrazoles by Phase Transfer Catalysis Without Solvent. <i>Synthetic Communications</i> , 1990, 20, 2849-2853.	1.1	35
64	Synthesis and spectroscopic studies of ruthenium complexes with poly(pyrazol-1-yl) methane ligands. Crystal structure of $[\text{RuCl}(\text{cod})(\text{tpzm})]\text{Cl}\cdot\text{EtOH}$ [cod = cycloocta-1,5-diene, tpzm = tris(pyrazol-1-yl)methane]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 1935-1939.	1.1	35
65	Synthesis, structural determination and dynamic behavior of 2-chloro-4,6-bis(pyrazolylamino)-1,3,5-triazines. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 4451-4457.	1.5	35
66	Review on Non-Thermal Effects of Microwave Irradiation in Organic Synthesis. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2006, 41, 45-66.	0.4	35
67	The organic chemistry of poly(1H-pyrazol-1-yl)methanes. <i>Coordination Chemistry Reviews</i> , 2017, 339, 153-182.	9.5	34
68	Five Different Fluxional Processes in Polyfluorophenyl Palladium(II) Complexes with 2,4,6-Tris(3,5-dimethylpyrazol-1-yl)-1,3,5-triazine. The Driving Effect of the Solvent. <i>Inorganic Chemistry</i> , 2003, 42, 885-895.	1.9	33
69	Diels-Alder cycloaddition of vinylpyrazoles. Synergy between microwave irradiation and solvent-free conditions. <i>Tetrahedron</i> , 1996, 52, 9237-9248.	1.0	32
70	A methylene bridge as protecting group. 1. Selective preparation of 4-alkyl-1,2,4-triazoles. <i>Tetrahedron</i> , 1997, 53, 2253-2260.	1.0	32
71	Tandem Diels-Alder Aromatization Reactions of Furans under Unconventional Reaction Conditions. Experimental and Theoretical Studies. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 2891.	1.2	32
72	Facial Selectivity in Cycloadditions of a Chiral Ketene Acetal under Microwave Irradiation in Solvent-Free Conditions. Configurational Assignment of the Cycloadducts by NOESY Experiments and Molecular Mechanics Calculations. <i>Journal of Organic Chemistry</i> , 1995, 60, 4160-4166.	1.7	30

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73	Application of flow chemistry to the reduction of nitriles to aldehydes. <i>Tetrahedron Letters</i> , 2011, 52, 6058-6060.	0.7	28
74	Recyclable supported catalysts in microwave-assisted reactions: first Diels-Alder cycloaddition of a triazole ring. <i>Tetrahedron Letters</i> , 2006, 47, 8761-8764.	0.7	27
75	Cycloadditions of ketene acetals under microwave irradiation in solvent-free conditions. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994, , 3595-3598.	0.9	26
76	A study on the phase transfer catalysed Michael addition. <i>Tetrahedron</i> , 1998, 54, 1835-1844.	1.0	26
77	Use of different microporous and mesoporous materials as catalyst in the Diels-Alder and retro-Diels-Alder reaction between cyclopentadiene and p-benzoquinone. Activity of Al-, Ti- and Sn-doped silica. <i>Journal of Molecular Catalysis A</i> , 2005, 240, 16-21.	4.8	26
78	Versatile microwave-induced reactions for the multiple functionalization of carbon nanotubes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1936.	1.5	26
79	Preparation of Racemic and Enantiomerically Pure Cyclic Ketene Acetals. <i>Synthetic Communications</i> , 1993, 23, 1935-1942.	1.1	25
80	Application of Flow Chemistry to the Selective Reduction of Esters to Aldehydes. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 260-263.	1.2	25
81	Determination of Kinetic Parameters within a Single Nonisothermal On-Flow Experiment by Nanoliter NMR Spectroscopy. <i>Analytical Chemistry</i> , 2015, 87, 10547-10555.	3.2	25
82	Ultrasound and Phase-Transfer Catalysis without Solvent in Elimination Reactions: Synthesis of Cyclic Ketene Acetals. <i>Synlett</i> , 1992, 1992, 893-894.	1.0	24
83	Selectivity under microwave irradiation. Benzoylation of 2-pyridone: an experimental and theoretical study. <i>Tetrahedron</i> , 2008, 64, 8169-8176.	1.0	24
84	Alkylation of Imidazole by Solid-Liquid Phase Transfer Catalysis in the Absence of Solvent. <i>Synthetic Communications</i> , 1993, 23, 1783-1786.	1.1	23
85	Regioselectivity and diastereoselectivity in the phase transfer catalysed Michael addition of 2-phenylcyclohexanone. <i>Tetrahedron Letters</i> , 1997, 38, 2359-2362.	0.7	23
86	First Diels-Alder Reaction of Pyrazolyl Imines under Microwave Irradiation. <i>Synlett</i> , 1998, 1998, 1069-1070.	1.0	23
87	Understanding MAOS through computational chemistry. <i>Chemical Society Reviews</i> , 2017, 46, 431-451.	18.7	23
88	Multiple Hydrogen Bonds in the Self-Assembly of Aminotriazine and Glutarimide. Decisive Role of the Triazine Substituents. <i>Crystal Growth and Design</i> , 2008, 8, 1585-1594.	1.4	22
89	Selective Allylation and Propargylation of Azoles by Phase Transfer Catalysis in the Absence of Solvent. <i>Heterocycles</i> , 1994, 38, 1367.	0.4	21
90	The effect of focused microwaves on the reaction of ethyl N-trichloroethylidene carbamate with pyrazole derivatives. <i>Tetrahedron</i> , 1999, 55, 9623-9630.	1.0	21

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91	Microwave-Assisted Synthesis and Dynamic Behaviour of N ₂ ,N ₄ ,N ₆ -Tris(1H-pyrazolyl)-1,3,5-triazine-2,4,6-triamines. <i>QSAR and Combinatorial Science</i> , 2005, 24, 649-659.	1.5	21
92	The importance of the linking bridge in donor-acceptor C ₆₀ electroactive dyads. <i>New Journal of Chemistry</i> , 2002, 26, 76-80.	1.4	20
93	Review on non-thermal effects of microwave irradiation in organic synthesis. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2007, 41, 44-64.	0.4	20
94	Reactivity of 3-Styrylchromones as Dienes in Diels-Alder Reactions under Microwave Irradiation: A New Synthesis of Xanthenes. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 2973-2986.	1.2	19
95	Reproducibility and Scalability of Solvent-Free Microwave-Assisted Reactions: From Domestic Ovens to Controllable Parallel Applications. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2007, 10, 163-169.	0.6	19
96	¹³ C NMR mechanistic studies as predictive tools in microwave-assisted organic synthesis. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2371.	1.5	19
97	The issue of ¹³ C molecular radiators in microwave-assisted reactions. Computational calculations on ring closing metathesis (RCM). <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2436-2445.	1.5	19
98	Selective alkylation of pyrrole by phase transfer catalysis in the absence of solvent. <i>Journal of Heterocyclic Chemistry</i> , 1994, 31, 1715-1717.	1.4	18
99	Synergy between Heterogeneous Catalysis and Microwave Irradiation in an Efficient One-Pot Synthesis of Benzene Derivatives via Ring-Opening of Diels-Alder Cycloadducts of Substituted Furans. <i>Synlett</i> , 2001, 2001, 0753-0756.	1.0	18
100	An Efficient One-Pot Synthesis of Phenol Derivatives by Ring Opening and Rearrangement of Diels-Alder Cycloadducts of Substituted Furans Using Heterogeneous Catalysis and Microwave Irradiation. <i>Synlett</i> , 2004, 2004, 1259-1263.	1.0	18
101	Sustainable and efficient methodology for CLA synthesis and identification. <i>Green Chemistry</i> , 2012, 14, 2584.	4.6	18
102	Phase Transfer Catalysis without Solvent. Use of Alkyl Iodides. <i>Synthetic Communications</i> , 1989, 19, 293-296.	1.1	17
103	Continuous-Flow Microliter Microwave Irradiation in the Synthesis of Isoxazole Derivatives: An Optimization Procedure. <i>Synthesis</i> , 2012, 44, 2527-2530.	1.2	17
104	First Example of a Continuous-Flow Carbonylation Reaction Using Aryl Formates as CO Precursors. <i>Journal of Flow Chemistry</i> , 2014, 4, 105-109.	1.2	17
105	Illumination of Nanoliter-NMR Spectroscopy Chips for Real-Time Photochemical Reaction Monitoring. <i>Analytical Chemistry</i> , 2018, 90, 1542-1546.	3.2	16
106	Solid-Liquid Phase-Transfer Catalysis I. Benzoylation of Malononitrile. <i>Synthesis</i> , 1989, 1989, 391-393.	1.2	15
107	Synthesis of imidazole 1-oxides from 1,2-diimines. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995, , 2467-2470.	0.9	15
108	NMR studies in the heterocyclic series. XXXII. Carbon-13 NMR study of N-arylpyrazoles and N-arylpyrazolium salts. <i>Magnetic Resonance in Chemistry</i> , 1989, 27, 603-606.	1.1	14

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109	N-Arylation of Pyrrolidino[3,4-b]pyridine: Synthesis under Solvent-Free Conditions and Electrochemistry of New C ₆₀ "Acceptor Dyads. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 3433-3436.	1.2	14
110	Carbon-13 NMR spectra of imidazole 1-oxides. Comparison with the parent imidazoles. <i>Magnetic Resonance in Chemistry</i> , 1998, 36, 296-299.	1.1	13
111	Strained π -systems as hydrogen bond acceptors: the case of benzyne. <i>Chemical Physics Letters</i> , 2001, 350, 325-330.	1.2	13
112	Diels-Alder Cycloaddition of 4,6-Dimethyl-1,2,3-triazine with Enamines, or their Precursors, under Microwave Irradiation. <i>Synlett</i> , 2001, 2001, 0236-0237.	1.0	13
113	Microwave-assisted selective and efficient synthesis of 1,3,5-triazinyl mono and bisureas. <i>Tetrahedron</i> , 2014, 70, 1733-1739.	1.0	13
114	Solid-liquid phase-transfer catalysis without solvent: selective mono- and di-alkylation of benzyl methyl ketone. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1992, , 2427-2430.	0.9	12
115	Selective Alkylation of 2-Pyridone in Solvent-Free Conditions. <i>Synthetic Communications</i> , 1994, 24, 1057-1063.	1.1	12
116	Synthesis of 4-hydroxylamino-1-azabuta-1,3-dienes and their cyclization to 2-substituted pyrazole 1-oxides. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995, , 2773.	0.9	12
117	Unexpected double benzylation of acetophenone under phase transfer catalysis conditions. Acidity or π - π interaction effect?. <i>Tetrahedron</i> , 1997, 53, 3659-3668.	1.0	12
118	A complete model for the prediction of ¹ H- and ¹³ C-NMR chemical shifts and torsional angles in phenyl-substituted pyrazoles. <i>Tetrahedron</i> , 2001, 57, 4179-4187.	1.0	12
119	The Unusual Transformation of an Aromatic 1H-Imidazole into a Non-Aromatic 2H-Imidazole. <i>Structural Chemistry</i> , 2005, 16, 485-490.	1.0	12
120	Influence of Polarity on the Scalability and Reproducibility of Solvent-Free Microwave-Assisted Reactions. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2011, 14, 109-116.	0.6	12
121	Microwave-Assisted Selective Synthesis of Mono- and Bistriazines with π -Conjugated Spacers and Study of the Optoelectronic Properties. <i>Journal of Organic Chemistry</i> , 2014, 79, 4909-4919.	1.7	12
122	Formation of quaternary carbons through cobalt-catalyzed C(sp ³)–C(sp ³) Negishi cross-coupling. <i>Chemical Communications</i> , 2020, 56, 8210-8213.	2.2	12
123	Synthesis of Imidazole N-Oxides in Solvent-free Conditions. <i>Heterocycles</i> , 1996, 43, 1465.	0.4	12
124	Enhancing stereochemical diversity by means of microwave irradiation in the absence of solvent: Synthesis of highly substituted nitroproline esters via 1,3-dipolar reactions. <i>Molecular Diversity</i> , 2003, 7, 175-180.	2.1	11
125	Microwave-assisted synthesis of bipyrazolyls and pyrazolyl-substituted pyrimidines. <i>Tetrahedron</i> , 2007, 63, 748-753.	1.0	11
126	Visible-Light-Induced Nickel-Catalyzed Negishi Cross-Couplings by Exogenous Photosensitizer-Free Photocatalysis. <i>Angewandte Chemie</i> , 2018, 130, 8609-8613.	1.6	11

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127	Phase transfer catalysis without solvent. Synthesis of cycloalkane-1,1-dicarbonitriles and alkanetetra-carbonitriles. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1991, , 2593-2596.	0.9	10
128	Reaction of N-vinylpyrazolium and N-vinylindazolium salts with cyanide ion: formation of 1,2-dihydropyrimidines, 3,4-dihydroquinazolines, and quinolines. <i>Journal of Organic Chemistry</i> , 1992, 57, 4151-4155.	1.7	10
129	Acetyl substituted benzenes. Useful cores for the synthesis of dendrimeric polyketones. <i>Tetrahedron Letters</i> , 1997, 38, 8557-8560.	0.7	10
130	Quaternization and dequaternization of pyrazoles in solvent-free conditions: Conventional heating versus microwave irradiation. <i>Journal of Heterocyclic Chemistry</i> , 1999, 36, 889-894.	1.4	10
131	Determination of syn/anti Isomerism in DCNQI Derivatives by 2D Exchange Spectroscopy: Theoretical Underpinning. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 2407-2415.	1.2	10
132	Microwave-Enhanced Reactivity of Non-Activated Dienophiles Towards Pyrazine-Quinodimethanes. <i>Synlett</i> , 2002, 2002, 2037-2038.	1.0	10
133	Relation between charge transfer and solvent polarity in fullerene derivatives: NMR studies Electronic supplementary information (ESI) available: Table S1: chemical shifts (ppm) in C6D6 (ETN = 0.111), CDCl3 (ETN = 0.259), and CD2Cl2 (ETN = 0.309). See http://www.rsc.org/suppdata/im/b2/b203112b/ . <i>Journal of Materials Chemistry</i> , 2002, 12, 2130-2136.	6.7	10
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