Andres Moreno Moreno

List of Publications by Year
in descending order

83	3,885	159585 30	123424 61
papers	citations	h-index	g-index

96	96	96	4897
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microwaves in organic synthesis. Thermal and non-thermal microwave effects. Chemical Society Reviews, 2005, 34, 164-178.	38.1	1,640
2	Cycloadditions under Microwave Irradiation Conditions: Methods and Applications. European Journal of Organic Chemistry, 2000, 2000, 3659-3673.	2.4	160
3	Integrated Metabolomics, Transcriptomics and Proteomics Identifies Metabolic Pathways Affected by Anaplasma phagocytophilum Infection in Tick Cells*. Molecular and Cellular Proteomics, 2015, 14, 3154-3172.	3.8	135
4	10-Helical conformations in oxetane Î²-amino acid hexamers. Tetrahedron Letters, 2001, 42, 4251-4255.	1.4	115
5	Efficient tautomerization hydrazone-azomethine imine under microwave irradiation. Synthesis of [4,3â€²] and [5,3â€²]bipyrazoles. Tetrahedron, 1998, 54, 13167-13180.	1.9	75
6	Green and chemoselective oxidation of sulfides with sodium perborate and sodium percarbonate: nucleophilic and electrophilic character of the oxidation system. Green Chemistry, 2007, 9, 331-336.	9.0	70
7	Use of Microwave Irradiation and Solid Acid Catalysts in an Enhanced and Environmentally Friendly Synthesis of Coumarin Derivatives. Synlett, 1999, 1999, 608-610.	1.8	68
8	Synthesis of Pyrazolo[3,4-b]pyridines by Cycloaddition Reactions under Microwave Irradiation. Tetrahedron, 2000, 56, 1569-1577.	1.9	64
9	Acid-free microwave-assisted hydrothermal extraction of pectin and porous cellulose from mango peel waste â€“ towards a zero waste mango biorefinery. Green Chemistry, 2016, 18, 5280-5287.	9.0	64
10	Green synthesis and self-association of 2,4-diamino-1,3,5-triazine derivatives. New Journal of Chemistry, 2004, 28, 952-958.	2.8	57
11	Microwave-assisted reactions of nitroheterocycles with dienes. Dielsâ€“Alder and tandem hetero Dielsâ€“Alder/[3,3] sigmatropic shift. Tetrahedron, 2009, 65, 5328-5336.	1.9	53
12	Tetrahydrofuran amino acids: Secondary structure in tetrameric and octameric carbopeptoids derived from a D-allo 5-(aminomethyl)tetrahydrofuran-2-carboxylic acid. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3666-3679.	1.3	52
13	Synthesis of 1,3,5-triazines in solvent-free conditions catalysed by silica-supported lewis acids. Green Chemistry, 2002, 4, 339-343.	9.0	50
14	Microwave-Assisted Reactions in Heterocyclic Compounds with Applications in Medicinal and Supramolecular Chemistry. Combinatorial Chemistry and High Throughput Screening, 2007, 10, 877-902.	1.1	47
15	On-line monitoring of a microwave-assisted chemical reaction by nanolitre NMR-spectroscopy. Chemical Communications, 2010, 46, 4514.	4.1	46
16	Application of non-invasive technologies in dry-cured ham: An overview. Trends in Food Science and Technology, 2019, 86, 360-374.	15.1	46
17	Solvent-free preparation of tris-pyrazolyl-1,3,5-triazines. Tetrahedron, 2001, 57, 4397-4403.	1.9	45
18	Microwave heating for the catalytic conversion of melon rind waste into biofuel precursors. Journal of Cleaner Production, 2016, 138, 59-69.	9.3	43

#	Article	IF	Citations
19	Microwave assisted synthesis and crystal structures of 2-imidazolines and imidazoles. Tetrahedron, 2006, 62, 5868-5874.	1.9	40
20	Phase transfer catalysis without solvent: selective mono- or di-alkylation of malononitrile. Journal of the Chemical Society Perkin Transactions 1, 1991, , 2589-2592.	0.9	38
21	1,3-Dipolar Cycloaddition of Nitriles under Microwave Irradiation in Solvent-Free Conditions. Heterocycles, 1996, 43, 1021.	0.7	36
22	Preparation of Î±- and Î²-substituted alanine derivatives by Î±-amidoalkylation or Michael addition reactions under heterogeneous catalysis assisted by microwave irradiation. Tetrahedron, 2001, 57, 5421-5428.	1.9	36
23	New functionalized bis(pyrazol-1-yl)methane ligands. Synthesis, spectroscopic characterization of early and late transition metal complexes containing a functionalized N,N or P,P-chelate bis(5-diphenylphosphinopyrazol-1-yl)methane ligand. Journal of the Chemical Society Dalton Transactions, 1998, , 3737-3744.	1.1	35
24	Synthesis, structural determination and dynamic behavior of 2-chloro-4,6-bis(pyrazolylamino)-1,3,5-triazines. Organic and Biomolecular Chemistry, 2003, 1, 4451-4457.	2.8	35
25	Review on Non-Thermal Effects of Microwave Irradiation in Organic Synthesis. Journal of Microwave Power and Electromagnetic Energy, 2006, 41, 45-66.	0.8	35
26	Sinapis alba seed as a prospective biodiesel source. Biomass and Bioenergy, 2013, 51, 83-90.	5.7	35
27	Synthesis and Photoinduced Intramolecular Processes of Fulleropyrrolidineâ€“Oligothienylenevinyleneâ€“Ferrocene Triads. Chemistry - A European Journal, 2007, 13, 3924-3933.	3.3	33
28	Study by 31P NMR spectroscopy of the triacylglycerol degradation processes in olive oil with different heat-transfer mechanisms. Food Chemistry, 2014, 165, 21-28.	8.2	33
29	Diels-Alder cycloaddition of vinylpyrazoles. Synergy between microwave irradiation and solvent-free conditions. Tetrahedron, 1996, 52, 9237-9248.	1.9	32
30	Tandem Dielsâ^'Alder Aromatization Reactions of Furans under Unconventional Reaction Conditions â^' Experimental and Theoretical Studies. European Journal of Organic Chemistry, 2001, 2001, 2891.	2.4	32
31	Alginate/Fish Gelatin-Encapsulated Lactobacillus acidophilus: A Study on Viability and Technological Quality of Bread during Baking and Storage. Foods, 2021, 10, 2215.	4.3	32
32	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. Journal of Organic Chemistry, 1995, 60, 4160-4166.	3.2	30
33	Analysis and optimisation of a novel â€œbio-breweryâ€•approach: Production of bio-fuels and bio-chemicals by microwave-assisted, hydrothermal liquefaction of brewersâ€™ spent grains. Energy Conversion and Management, 2019, 185, 410-430.	9.2	29
34	Bioactive Peptide Fractions from Collagen Hydrolysate of Common Carp Fish Byproduct: Antioxidant and Functional Properties. Antioxidants, 2022, 11, 509.	5.1	28
35	Recyclable supported catalysts in microwave-assisted reactions: first Dielsâ€“Alder cycloaddition of a triazole ring. Tetrahedron Letters, 2006, 47, 8761-8764.	1.4	27
36	Cycloadditions of ketene acetals under microwave irradiation in solvent-free conditions. Journal of the Chemical Society Perkin Transactions 1, 1994, , 3595-3598.	0.9	26

#	Article	IF	Citations
37	Selectivity under microwave irradiation. Benzylation of 2-pyridone: an experimental and theoretical study. Tetrahedron, 2008, 64, 8169-8176.	1.9	24
38	Rapid quantitative determination by 13C NMR of the composition of acetylglycerol mixtures as byproduct in biodiesel synthesis. Fuel, 2012, 92, 180-186.	6.4	24
39	Almond hull biomass: Preliminary characterization and development of two alternative valorization routes by applying innovative and sustainable technologies. Industrial Crops and Products, 2022, 179, 114697.	5.2	24
40	First Diels-Alder Reaction of Pyrazolyl Imines under Microwave Irradiation. Synlett, 1998, 1998, 1069-1070.	1.8	23
41	The effect of focused microwaves on the reaction of ethyl N-trichloroethylidenecarbamate with pyrazole derivatives. Tetrahedron, 1999, 55, 9623-9630.	1.9	21
42	Microwave-Assisted Synthesis and Dynamic Behaviour ofN2,N4,N6-Tris(1H-pyrazolyl)-1,3,5-triazine-2,4,6-triamines. QSAR and Combinatorial Science, 2005, 24, 649-659.	1.4	21
43	Sustainable Production of Solid Biofuels and Biomaterials by Microwave-Assisted, Hydrothermal Carbonization (MA-HTC) of Brewersâ€™ Spent Grain (BSG). ACS Sustainable Chemistry and Engineering, 2020, 8, 18982-18991.	6.7	19
44	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. Synlett, 2001, 2001, 0753-0756.	1.8	18
45	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. Synlett, 2004, 2004, 1259-1263.	1.8	18
46	Sustainable and efficient methodology for CLA synthesis and identification. Green Chemistry, 2012, 14, 2584.	9.0	18
47	Continuous-Flow Microliter Microwave Irradiation in the Synthesis of Isoxazole Derivatives: An Optimization Procedure. Synthesis, 2012, 44, 2527-2530.	2.3	17
48	Protein complex nanoparticles reinforced with industrial hemp essential oil: Characterization and application for shelf-life extension of Rainbow trout fillets. Food Chemistry: X, 2022, 13, 100202.	4.3	17
49	Application of Cornelian Cherry (Cornus mas L.) Peel in Probiotic Ice Cream: Functionality and Viability during Storage. Antioxidants, 2021, 10, 1777.	5.1	16
50	Diels-Alder Cycloaddition of 4,6-Dimethyl-1,2,3-triazine with Enamines, or their Precursors, under Microwave Irradiation. Synlett, 2001, 2001, 0236-0237.	1.8	13
51	Nanoencapsulation of essential oils from industrial hemp (Cannabis sativa L.) by-products into alfalfa protein nanoparticles. Food Chemistry, 2022, 386, 132765.	8.2	13
52	Sustainable and non-conventional protocols for the three-way valorisation of lignin from grape stalks. Chemical Engineering and Processing: Process Intensification, 2022, 178, 109027.	3.6	13
53	Solidâ€“liquid phase-transfer catalysis without solvent: selective mono- and di-alkylation of benzyl methyl ketone. Journal of the Chemical Society Perkin Transactions 1, 1992, , 2427-2430.	0.9	12
54	A complete model for the prediction of 1H- and 13C-NMR chemical shifts and torsional angles in phenyl-substituted pyrazoles. Tetrahedron, 2001, 57, 4179-4187.	1.9	12

#	Article	IF	Citations
55	Effect of Antimicrobial and Antioxidant Rich Pomegranate Peel Based Edible Coatings on Quality and Functional Properties of Chicken Nuggets. Molecules, 2022, 27, 4500.	3.8	12
56	Microwave-assisted synthesis of bipyrazolyls and pyrazolyl-substituted pyrimidines. Tetrahedron, 2007, 63, 748-753.	1.9	11
57	Phase transfer catalysis without solvent. Synthesis of cycloalkane-1,1-dicarbonitriles and alkanetetracarbonitriles. Journal of the Chemical Society Perkin Transactions 1, 1991, , 2593-2596.	0.9	10
58	Microwave-Enhanced Reactivity of Non-Activated Dienophiles Towards Pyrazineo-Quinodimethanes. Synlett, 2002, 2002, 2037-2038.	1.8	10
59	Microwave-assisted synthesis of pyrazolyl bistriazines. Tetrahedron, 2010, 66, 121-127.	1.9	10
60	Synthesis of 4-alkylpyrazoles from 3,5-diaminopyrazoles. Journal of the Chemical Society Perkin Transactions 1, 1993, , 2229-2232.	0.9	9
61	Microwave-assisted Cyclocondesation under Solvent-free Conditions: Quinoxaline-2,3-dione. Heterocycles, 2001, 55, 109.	0.7	9
62	Alkylation of Ethyl Nitroacetate in the Absence of Solvent. Synthetic Communications, 1994, 24, 1817-1821.	2.1	8
63	Solvent-free synthesis and structural characterization of azolyl-substituted pyrimidines. New Journal of Chemistry, 2002, 26, 926-932.	2.8	8
64	Microwave Irradiation as an Efficient Tool for the Generation of N-Heterocyclico-Quinodimethanes: Synthesis of Polyheterocyclic Compounds by Diels-Alder Reactions. Synlett, 2006, 2006, 0579-0582.	1.8	8
65	On the Selective Butylation of Acetophenone by Phase Transfer Catalysis in the Absence of Solvent. Synthetic Communications, 1993, 23, 875-883.	2.1	6
66	Transformations of isoxazolidine and dihydropyran derivatives to optically active compounds. Journal of the Chemical Society Perkin Transactions 1, 1996, , 259-263.	0.9	6
67	Theoretical study on the reaction between 4,6-dimethyl-1,2,3-triazine and enamines. Perkin Transactions II RSC, 2002, , 1257-1263.	1.1	6
68	Valorization of Wastewater from Table Olives: NMR Identification of Antioxidant Phenolic Fraction and Microwave Single-Phase Reaction of Sugary Fraction. Antioxidants, 2021, 10, 1652.	5.1	6
69	Determination of the Stereochemistry of Four Spirodiastereoisomers by One- and Two-Dimensional NOE Studies. Magnetic Resonance in Chemistry, 1996, 34, 52-58.	1.9	5
70	Table Olive Wastewater as a Potential Source of Biophenols for Valorization: A Mini Review. Fermentation, 2022, 8, 215.	3.0	5
71	Microwave-Controlled Preparation of Alkenyl-(1H)-1,2,4-triazoles: First Heck Reaction on a (1H)-1,2,4-Triazole Moiety. Australian Journal of Chemistry, 2009, 62, 1600.	0.9	3
72	Application of optimal design methodology to the phase transfer catalytic benzylation of malononitrile. Chemometrics and Intelligent Laboratory Systems, 1990, 9, 287-292.	3.5	2

#	Article	IF	Citations
73	Microwaves in Organic Synthesis. Thermal and Non-Thermal Microwave Effects. ChemInform, 2005, 36, no.	0.0	2
74	Reactivity of Bis(heteroaryl)methanes towards Double Electrophiles. Synthesis of Two New Trinuclear [5.6.5]- and [5.5.5]-heterocyclic Systems from Bis(pyrazol-1-yl)methane. Heterocycles, 1995, 41, 1779.	0.7	2
75	Comparative Study of the Thermal and Microwave Oxidation in olive oil. 31P-NMR Quantitative Determination of 1,2 and 1,3-Diglycerides and Other Minor Compounds.. Special Publication - Royal Society of Chemistry, 2011, , 100-104.	0.0	1
76	Aportaciones a la historia de la meteorologÃa a travÃ©s de los estudios ambientales de las asociaciones cientÃficas de la ciudad de MÃ©xico, 1857-1910. Letras HistÃ³ricas, 2016, 15, 99-121.	0.0	1
77	Microwave-Enhanced Reactivity of Non-Activated Dienophiles Towards Pyrazine o-Quinodimethanes.. ChemInform, 2003, 34, no.	0.0	0
78	An Efficient One-Pot Synthesis of Phenol Derivatives by Ring Opening and Rearrangement of Dielsâ€"Alder Cycloadducts of Substituted Furans Using Heterogeneous Catalysis and Microwave Irradiation.. ChemInform, 2004, 35, no.	0.0	0
79	Selectivity in Organic Synthesis under Microwave Irradiation. ChemInform, 2004, 35, no.	0.0	0
80	Green Synthesis and Self-Association of 2,4-Diamino-1,3,5-triazine Derivatives.. ChemInform, 2005, 36, no.	0.0	0
81	Study of the Proteolytic and Lipolytic Processes in Manchego Cheese by NMR. Special Publication - Royal Society of Chemistry, 2011, , 54-59.	0.0	0
82	Synergy between microwave irradiation and heterogeneous catalysis in an environmentally friendly self-condensation of hydroxybenzene derivatives. Arkivoc, 2009, 2010, 264-273.	0.5	0
83	Quality Markers of Red Wines from Spanish Region of Castilla-La Mancha using Nuclear Magnetic Resonance.. Special Publication - Royal Society of Chemistry, 2011, , 60-66.	0.0	0