

# Rosa MarÃ-a MartÃ-n Aranda

## List of Publications by Year in descending order

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81  
papers

2,846  
citations

212478

28  
h-index

214428

50  
g-index

81  
all docs

81  
docs citations

81  
times ranked

3092  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ordered mesoporous molecular sieves as active catalyts for the synthesis of 1,4-dihydropyridine derivatives. <i>Catalysis Today</i> , 2020, 354, 44-50.	2.2	10
2	Tantalum vs Niobium MCF nanocatalysts in the green synthesis of chromene derivatives. <i>Catalysis Today</i> , 2019, 325, 47-52.	2.2	11
3	The role of gold dopant in AP-Nb/MCF and AP-MCF on the Knoevenagel condensation of ethyl cyanoacetate with benzaldehyde and 2,4-dichlorobenzaldehyde. <i>Catalysis Today</i> , 2019, 325, 81-88.	2.2	10
4	Impact of Brønsted acid sites in MWW zeolites modified with cesium and amine species on Knoevenagel condensation. <i>Microporous and Mesoporous Materials</i> , 2019, 280, 288-296.	2.2	16
5	Towards an Integrated Environmental Compensation Scheme in Spain: Linking Biodiversity and Carbon Offsets. <i>Journal of Environmental Assessment Policy and Management</i> , 2017, 19, 1750006.	4.3	4
6	Sustainability and distance learning: a diverse European experience?. <i>Open Learning</i> , 2017, 32, 95-102.	2.4	40
7	Potential of land use activities to offset road traffic greenhouse gas emissions in Central Spain. <i>Science of the Total Environment</i> , 2017, 590-591, 215-225.	3.9	7
8	Environmental impacts of climate change adaptation. <i>Environmental Impact Assessment Review</i> , 2017, 64, 87-96.	4.4	49
9	Imidazole immobilization in nanopores of silicas and niobiosilicates SBA-15 and MCF: A new concept towards creation of basicity. <i>Applied Catalysis A: General</i> , 2017, 531, 139-150.	2.2	31
10	Mesoporous niobiosilicate NbMCF modified with alkali metals in the synthesis of chromene derivatives. <i>Catalysis Today</i> , 2016, 277, 133-142.	2.2	17
11	The role of metallic modifiers of SBA-15 supports for propyl-amines on activity and selectivity in the Knoevenagel reactions. <i>Microporous and Mesoporous Materials</i> , 2016, 224, 201-207.	2.2	41
12	Consideration of climate change on environmental impact assessment in Spain. <i>Environmental Impact Assessment Review</i> , 2016, 57, 31-39.	4.4	28
13	Porous Catalytic Systems in the Synthesis of Bioactive Heterocycles and Related Compounds. , 2015, , 377-408.		4
14	Amino-grafted SBA-15 material as dual acid–base catalyst for the synthesis of coumarin derivatives. <i>Catalysis Today</i> , 2014, 227, 215-222.	2.2	29
15	Eco-Friendly Catalytic Systems Based on Carbon-Supported Magnesium Oxide Materials for the Friedländer Condensation. <i>ChemCatChem</i> , 2014, 6, 3440-3447.	1.8	16
16	Amino-grafted mesoporous materials based on MCF structure involved in the quinoline synthesis. Mechanistic insights. <i>Journal of Molecular Catalysis A</i> , 2013, 378, 38-46.	4.8	31
17	Acid-Activated Carbon Materials: Cheaper Alternative Catalysts for the Synthesis of Substituted Quinolines. <i>ChemCatChem</i> , 2013, 5, 3736-3742.	1.8	24
18	Bifunctional mesoporous MCF materials as catalysts in the Friedländer condensation. <i>Catalysis Today</i> , 2013, 218-219, 70-75.	2.2	23

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19	Green Solvents for Pharmaceutical Industry. , 2012, , 147-173.		1
20	Mesoporous carbon as an efficient catalyst for alcoholysis and aminolysis of epoxides. Applied Catalysis A: General, 2012, 439-440, 24-30.	2.2	28
21	Optimization of headspace sorptive extraction for the analysis of volatiles in pressed ewesâ€™ milk cheese. International Dairy Journal, 2012, 23, 53-61.	1.5	27
22	Efficient isomerization of safrole by amino-grafted MCM-41 materials as basic catalysts. Catalysis Today, 2012, 179, 159-163.	2.2	13
23	New inorganicâ€“organic hybrid materials based on SBA-15 molecular sieves involved in the quinolines synthesis. Catalysis Today, 2012, 187, 97-103.	2.2	26
24	Green and fast procedure to obtain N-alkylbenzimidazole derivatives under microwave activation. Environmental Progress and Sustainable Energy, 2011, 30, 469-475.	1.3	3
25	Alkaline carbons as effective catalysts for the microwave-assisted synthesis of N-substituted-gamma-lactams. Applied Catalysis A: General, 2011, 398, 73-81.	2.2	7
26	Advances in Metal-Organic Frameworks for Heterogeneous Catalysis. Recent Patents on Chemical Engineering, 2011, 4, 1-16.	0.5	10
27	Recent Advances in Catalysis Over Mesoporous Molecular Sieves. Topics in Catalysis, 2010, 53, 141-153.	1.3	237
28	Isomerization of Eugenol Under Ultrasound Activation Catalyzed by Alkali Modified Mesoporous NbMCM-41. Topics in Catalysis, 2010, 53, 179-186.	1.3	15
29	Zeolites Promoting Quinoline Synthesis via FriedlÄnder Reaction. Topics in Catalysis, 2010, 53, 1430-1437.	1.3	26
30	The effect of ultrasound on the N-alkylation of imidazole over alkaline carbons: Kinetic aspects. Applied Catalysis A: General, 2010, 378, 26-32.	2.2	14
31	Amino-grafted metallosilicate MCM-41 materials as basic catalysts for eco-friendly processes. Catalysis Today, 2010, 152, 119-125.	2.2	42
32	PVA embedded hydrotalcite membranes as basic catalysts for biodiesel synthesis by soybean oil methanolysis. Catalysis Today, 2010, 156, 191-197.	2.2	51
33	Experimental and theoretical study of pyrazole N-alkylation catalyzed by basic modified molecular sieves. Chemical Engineering Journal, 2010, 161, 377-383.	6.6	15
34	Last Decade of Research on Activated Carbons as Catalytic Support in Chemical Processes. Catalysis Reviews - Science and Engineering, 2010, 52, 325-380.	5.7	81
35	Last Decade of Research in Sonochemistry for Green Organic Synthesis. Recent Patents on Chemical Engineering, 2010, 3, 82-98.	0.5	5
36	Coumarins Preparation by Pechmann Reaction Under Ultrasound Irradiation. Synthesis of Hymecromone as Insecticide Intermediate. Catalysis Letters, 2009, 128, 318-322.	1.4	26

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37	Microwave Assisted Green Synthesis of Long-chain 1-Alkylimidazoles and Medium-chain 1-alkyl-2-Methylimidazoles with Antiviral Properties Catalyzed by Basic Carbons. <i>Catalysis Letters</i> , 2009, 129, 281-286.	1.4	15
38	Green Synthesis of Acetals/Ketals: Efficient Solvent-Free Process for the Carbonyl/Hydroxyl Group Protection Catalyzed by SBA-15 Materials. <i>Topics in Catalysis</i> , 2009, 52, 148-152.	1.3	24
39	Catalytic properties of alkali metal-modified oxide supports for the Knoevenagel condensation: Kinetic aspects. <i>Catalysis Today</i> , 2009, 142, 278-282.	2.2	61
40	The possible use of alkali metal modified NbMCM-41 in the synthesis of 1,4-dihydropyridine intermediates. <i>Catalysis Today</i> , 2009, 142, 303-307.	2.2	25
41	Sonocatalysis in solvent-free conditions: An efficient eco-friendly methodology to prepare N-alkyl imidazoles using amino-grafted NbMCM-41. <i>Catalysis Today</i> , 2009, 142, 283-287.	2.2	24
42	Novel Basic Mesoporous Catalysts for the Friedländer Reaction from 2-Aminoaryl Ketones: Quinolinones versus Quinolines. <i>ChemCatChem</i> , 2009, 1, 241-243.	1.8	60
43	Sonocatalysis and zeolites: An efficient route to prepare N-alkylimidazoles. <i>Applied Catalysis A: General</i> , 2008, 338, 130-135.	2.2	10
44	Knoevenagel condensation reaction between benzaldehyde and ethyl acetoacetate in microreactor and membrane microreactor. <i>Microporous and Mesoporous Materials</i> , 2008, 115, 156-163.	2.2	65
45	Zeolite membrane microreactors and their performance. <i>Studies in Surface Science and Catalysis</i> , 2007, , 1460-1465.	1.5	19
46	Fenton-like oxidation of Orange II solutions using heterogeneous catalysts based on saponite clay. <i>Applied Catalysis B: Environmental</i> , 2007, 71, 44-56.	10.8	275
47	Catalysis by basic carbons: Preparation of dihydropyridines. <i>Applied Surface Science</i> , 2006, 252, 6080-6083.	3.1	43
48	Transesterification of soybean oil over sulfonic acid functionalised polymeric membranes. <i>Catalysis Today</i> , 2006, 118, 166-171.	2.2	89
49	Sonocatalysis in solvent free conditions: An efficient eco-friendly methodology to prepare chalcones using a new type of amino grafted zeolites. <i>Catalysis Today</i> , 2006, 114, 183-187.	2.2	46
50	Microwave enhanced synthesis of N-propargyl derivatives of imidazole. <i>Applied Surface Science</i> , 2006, 252, 6067-6070.	3.1	7
51	Ultrasound accelerated Claisen-Schmidt condensation: A green route to chalcones. <i>Applied Surface Science</i> , 2006, 252, 6071-6074.	3.1	63
52	Alkylation of imidazole under ultrasound irradiation over alkaline carbons. <i>Applied Surface Science</i> , 2006, 252, 6089-6092.	3.1	12
53	Surface and catalytic properties of acid metal-carbons prepared by the sol-gel method. <i>Applied Surface Science</i> , 2006, 252, 6075-6079.	3.1	9
54	Modification of acid-base properties of alkali metals containing catalysts by the application of various supports. <i>Applied Catalysis A: General</i> , 2006, 303, 121-130.	2.2	31

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55	Interaction of molten salts with a semianthracite char at 743-1173 K. Effects on chemical composition, textural properties, and reactivity in air. <i>Fuel Processing Technology</i> , 2005, 87, 45-51.	3.7	4
56	Sonocatalysis and alkaline-doped carbons: An efficient method for the synthesis of chalcones in heterogeneous media. <i>Catalysis Today</i> , 2005, 107-108, 500-506.	2.2	32
57	Experiments and modeling of membrane microreactors. <i>Catalysis Today</i> , 2005, 110, 26-37.	2.2	84
58	Ultrasound-activated Knoevenagel condensation of malononitrile with carbonylic compounds catalysed by alkaline-doped saponites. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 234-238.	1.6	20
59	Preparation and Catalytic Testing of Sulfonic Acid Functionalized Activated Carbons. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 1485-1486.	0.8	2
60	An investigation of Knoevenagel condensation reaction in microreactors using a new zeolite catalyst. <i>Applied Catalysis A: General</i> , 2004, 261, 109-118.	2.2	196
61	N-alkylation of imidazole by alkaline carbons. <i>Microporous and Mesoporous Materials</i> , 2004, 67, 87-94.	2.2	18
62	Ultrasound-promoted N-propargylation of imidazole by alkaline-doped carbons. <i>Carbon</i> , 2004, 42, 1363-1366.	5.4	21
63	Basic metal-carbons catalysts prepared by sol-gel method. <i>Carbon</i> , 2004, 42, 1575-1582.	5.4	29
64	The effect of ultrasound on the catalytic activity of alkaline carbons: preparation of N-alkyl imidazoles. <i>Applied Surface Science</i> , 2004, 238, 97-100.	3.1	9
65	Nitric Acid-Oxidized Carbon for the Preparation of Esters Under Ultrasonic Activation. <i>Catalysis Letters</i> , 2003, 87, 143-147.	1.4	19
66	Knoevenagel Condensation Reaction in a Membrane Microreactor.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
67	Knoevenagel condensation reaction in zeolite membrane microreactor. <i>Microporous and Mesoporous Materials</i> , 2003, 66, 239-252.	2.2	123
68	Synthesis and characterisation of $x\text{TiO}_2 \cdot (1-x)\text{SiO}_2$ -carbon composites. <i>Carbon</i> , 2003, 41, 79-86.	5.4	9
69	Microwave assisted N-propargylation of imidazole using alkaline promoted carbons. <i>Applied Catalysis A: General</i> , 2003, 240, 287-293.	2.2	17
70	Knoevenagel condensation reaction in a membrane microreactor. <i>Chemical Communications</i> , 2003, , 218-219.	2.2	83
71	Ultrasound-promoted N-alkylation of imidazole. <i>Catalysis by solid-base, alkali-metal doped carbons. Green Chemistry</i> , 2002, 4, 628-630.	4.6	40
72	Sonocatalysis and Basic Clays. Michael Addition Between Imidazole and Ethyl Acrylate. <i>Catalysis Letters</i> , 2002, 84, 201-204.	1.4	30

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73	Application of basic clays in microwave activated Michael additions: Preparation of N-substituted imidazoles. <i>Journal of Molecular Catalysis A</i> , 1997, 124, 115-121.	4.8	25
74	Oxidative dehydrogenation of n-butane on Cs doped nickel molybdate: Kinetics and mechanism. <i>Applied Catalysis A: General</i> , 1996, 135, 137-153.	2.2	18
75	Oxidative dehydrogenation of butane: changes in chemical, structural and catalytic behavior of Cs-doped nickel molybdate. <i>Journal of Molecular Catalysis A</i> , 1996, 111, 313-323.	4.8	27
76	Effect of alkali metal promoters on nickel molybdate catalysts and its relevance to the selective oxidation of butane. <i>Applied Catalysis A: General</i> , 1995, 127, 201-217.	2.2	66
77	Control of porosity and surface area in TiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> mixed oxides supports by means of ammonium carbonate. <i>Studies in Surface Science and Catalysis</i> , 1995, 91, 411-420.	1.5	7
78	ZrO <sub>2</sub> obtained by the sol-gel method: influence of synthesis parameters on physical and structural characteristics. <i>Journal of Materials Science</i> , 1994, 29, 3743-3748.	1.7	32
79	Selective N-propargylation of imidazole under microwave irradiation using some magnesium oxides as catalysts. <i>Catalysis Letters</i> , 1994, 25, 385-392.	1.4	9
80	Pseudoesters and Derivatives. XXXI <sup>1</sup> . Synthesis of 5-Ethylthio-, 5-Ethylsulfinyl- and 5-Ethylsulfonylfuran-2(5 <i>H</i> )-ones. <i>Synthetic Communications</i> , 1993, 23, 459-472.	1.1	13
81	Zeolites as Base Catalysts. Preparation of Calcium Antagonists Intermediates by Condensation of Benzaldehyde with Ethyl Acetoacetate.. <i>Studies in Surface Science and Catalysis</i> , 1991, 59, 503-511.	1.5	17