Maria J Sabater

List of Publications by Year in descending order

57 papers	5,425 citations	159525 30 h-index	155592 55 g-index
65 all docs	65 docs citations	65 times ranked	6766 citing authors

#	Article	IF	Citations
1	Gold-Catalyzed Carbonâ^'Heteroatom Bond-Forming Reactions. Chemical Reviews, 2011, 111, 1657-1712.	23.0	1,222
2	Advances in One-Pot Synthesis through Borrowing Hydrogen Catalysis. Chemical Reviews, 2018, 118, 1410-1459.	23.0	734
3	Supramolecular self-assembled molecules as organic directing agent for synthesis of zeolites. Nature, 2004, 431, 287-290.	13.7	522
4	Exceptional oxidation activity with size-controlled supported gold clusters of low atomicity. Nature Chemistry, 2013, 5, 775-781.	6.6	394
5	Heterogeneous Catalysis for Tandem Reactions. ACS Catalysis, 2014, 4, 870-891.	5.5	304
6	Chiral salen manganese complex encapsulated within zeolite Y: a heterogeneous enantioselective catalyst for the epoxidation of alkenes. Chemical Communications, 1997, , 1285-1286.	2.2	239
7	A Bifunctional Pd/MgO Solid Catalyst for the Oneâ€Pot Selective Nâ€Monoalkylation of Amines with Alcohols. Chemistry - A European Journal, 2010, 16, 254-260.	1.7	157
8	Gold supported on a biopolymer (chitosan) catalyzes the regioselective hydroamination of alkynes. Journal of Catalysis, 2007, 251, 39-47.	3.1	138
9	Mechanism of selective alcohol oxidation to aldehydes on gold catalysts: Influence of surface roughness on reactivity. Journal of Catalysis, 2011, 278, 50-58.	3.1	110
10	Aerobic oxidation of thiols to disulfides by heterogeneous goldcatalysts. Chemical Science, 2012, 3, 398-404.	3.7	100
11	Chemicals from Biomass: Chemoselective Reductive Amination of Ethyl Levulinate with Amines. ACS Catalysis, 2015, 5, 5812-5821.	5.5	99
12	Photoinduced Electron Transfer within Zeolite Cavities: cis-Stilbene Isomerization Photosensitized by 2,4,6-Triphenylpyrylium Cation Imprisoned inside Zeolite Y. Journal of the American Chemical Society, 1994, 116, 2276-2280.	6.6	97
13	New route for the synthesis of benzimidazoles by a one-pot multistep process with mono and bifunctional solid catalysts. Tetrahedron, 2010, 66, 730-735.	1.0	89
14	On the activity of chiral chromium salen complexes covalently bound to solid silicates for the enantioselective epoxide ring opening. Applied Catalysis A: General, 2002, 228, 279-288.	2.2	86
15	Gold catalysts and solid catalysts for biomass transformations: Valorization of glycerol and glycerolâ€“water mixtures through formation of cyclic acetals. Journal of Catalysis, 2010, 271, 351-357.	3.1	81
16	Computational and Experimental Approach to the Role of Structure-Directing Agents in the Synthesis of Zeolites:Â The Case of Cyclohexyl Alkyl Pyrrolidinium Salts in the Synthesis of Î², EU-1, ZSM-11, and ZSM-12 Zeolites. Journal of Physical Chemistry B, 2003, 107, 5432-5440.	1.2	80
17	Regioselective transformation of alkynes into cyclic acetals and thioacetals with a gold(I) catalyst: comparison with BrÃ¸nsted acid catalysts. Tetrahedron, 2008, 64, 7902-7909.	1.0	72
18	Regioâ€•and Stereoselective Intermolecular Hydroalkoxylation of Alkynes Catalysed by Cationic Gold(I) Complexes. Advanced Synthesis and Catalysis, 2010, 352, 1701-1710.	2.1	67

#	Article	IF	Citations
19	Chiral manganese(III) salen catalysts immobilized on MCM-41 and delaminated zeolites ITQ-2 and ITQ-6 through new axial coordinating linkers. Journal of Catalysis, 2004, 228, 92-99.	3.1	59
20	Gem-diamines as highly active organocatalysts for carbonâ€“carbon bond formation. Journal of Catalysis, 2007, 246, 136-146.	3.1	59
21	Enantioselective epoxidation of olefins with molecular oxygen catalyzed by gold(III): A dual pathway for oxygen transfer. Journal of Catalysis, 2009, 265, 238-244.	3.1	56
22	Highly Stable Chiral and Achiral Nitrogenâ€“Base Adducts of Methyltrioxorhenium(VII) as Catalysts in the Epoxidation of Alkenes. Journal of Catalysis, 2002, 210, 192-197.	3.1	52
23	Coupling of Two Multistep Catalytic Cycles for the Oneâ€Pot Synthesis of Propargylamines from Alcohols and Primary Amines on a Nanoparticulated Gold Catalyst. Chemistry - A European Journal, 2012, 18, 14150-14156.	1.7	52
24	Monoalkylations with alcohols by a cascade reaction on bifunctional solid catalysts: Reaction kinetics and mechanism. Journal of Catalysis, 2011, 279, 319-327.	3.1	48
25	A Computational Study on the Templating Ability of the Trispyrrolidinium Cation in the Synthesis of ZSM-18 Zeolite. Chemistry of Materials, 2001, 13, 4520-4526.	3.2	44
26	Bifunctional Acidâ€“Base Ionic Liquid Organocatalysts with a Controlled Distance Between Acid and Base Sites. Chemistry - A European Journal, 2010, 16, 1221-1231.	1.7	44
27	On the Existence of Different Zeolite-Associated Topological Redox Isomers. Electrochemistry of the Y Zeolite-Associated Mn(Salen)N3Complex. Journal of Physical Chemistry B, 2002, 106, 574-582.	1.2	43
28	Laser Flash Photolysis Study of Jacobsen Catalyst and Related Manganese(III) Salen Complexes. Relevance to Catalysis. Journal of the American Chemical Society, 2001, 123, 7074-7080.	6.6	41
29	Oneâ€Pot Palladiumâ€Catalyzed Borrowing Hydrogen Synthesis of Thioethers. Chemistry - A European Journal, 2013, 19, 17464-17471.	1.7	38
30	Photochemical and Chemical Electron Transfer Reactions of Bicyclo[2.1.0]pentanes (Housanes) in Solution and in Zeolite Cavities. Journal of the American Chemical Society, 1996, 118, 2380-2386.	6.6	32
31	Stabilization and recovery of gold catalysts in the cyclopropanation of alkenes within ionic liquids. Journal of Catalysis, 2008, 259, 26-35.	3.1	23
32	A new synthesis method for the preparation of ITQ-7 zeolites and the characterisation of the resulting materials. Comptes Rendus Chimie, 2005, 8, 369-378.	0.2	22
33	Photochemistry of nickel salen based complexes and relevance to catalysis. New Journal of Chemistry, 2002, 26, 405-410.	1.4	20
34	Bifunctional acidâ€“base ionic liquid for the one-pot synthesis of fine chemicals: Thioethers, 2H-chromenes and 2H-quinoline derivatives. Applied Catalysis A: General, 2014, 481, 27-38.	2.2	18
35	Intrazeolite Photochemistry. 24. Enantioselective Discrimination in the Quenching of Chiral Mn(II)salen Complexes Encapsulated inside Y Zeolite by Chiral 2-Butanols. Journal of the American Chemical Society, 1998, 120, 8521-8522.	6.6	17
36	Synthesis of isomorphically substituted Ru manganese molecular sieves and their catalytic properties for selective alcohol oxidation. Journal of Materials Chemistry A, 2020, 8, 3771-3784.	5.2	17

#	Article	IF	Citations
37	Active and Regioselective Ru Single-Site Heterogeneous Catalysts for Alpha-Olefin Hydroformylation. ACS Catalysis, 2022, 12, 4182-4193.	5.5	17
38	Mechanism of Photodenitrogenation of Salen Azido-Metal Complexes within the Cavities of Zeolite Y. Journal of Physical Chemistry B, 2000, 104, 8361-8365.	1.2	14
39	A recyclable bifunctional acidâ€“base organocatalyst with ionic liquid character. The role of site separation and spatial configuration on different condensation reactions. Physical Chemistry Chemical Physics, 2011, 13, 17255.	1.3	12
40	Recent Manganese Oxide Octahedral Molecular Sieves (OMSâ€“2) with Isomorphically Substituted Cationic Dopants and Their Catalytic Applications. Catalysts, 2021, 11, 1147.	1.6	12
41	Methanolysis of sunflower oil using gem-diamines as active organocatalysts for biodiesel production. Applied Catalysis A: General, 2010, 382, 36-42.	2.2	10
42	Thermolysis of unsaturated dicarboxylic acids in sulfuric acid and oleum. A comparison with the CIMS fragmentation patterns. Journal of Organic Chemistry, 1988, 53, 5480-5484.	1.7	9
43	Synthesis of Î³-lactones from easily and accessible reactants catalyzed by Cuâ€“MnOx catalysts. Comptes Rendus Chimie, 2018, 21, 164-173.	0.2	9
44	Electrochemical Analysis of Catalytic and Oxygen Interfacial Transfer Effects on MnO₂ Deposited on Gold Electrodes. Journal of Physical Chemistry C, 2018, 122, 10939-10947.	1.5	8
45	C5H7O2+Ions:Â The Correlation between Their Thermochemistry in Acidic Solution and Their Chemistry in the Gas Phase. Journal of Organic Chemistry, 2000, 65, 964-968.	1.7	7
46	Laser flash photolysis study of azides derived from Cr(iii) and Mn(iii) salen complexes. New Journal of Chemistry, 2002, 26, 1646-1650.	1.4	7
47	Charge matching between the occluded organic cations and zeolite framework as structure directing effect in zeolite synthesis. Studies in Surface Science and Catalysis, 2008, 174, 249-252.	1.5	7
48	Ruthenium isomorphic substitution into manganese oxide octahedral molecular sieve OMS-2: Comparative physic-chemical and catalytic studies of Ru versus abundant metal cationic dopants. Catalysis Today, 2022, 394-396, 414-424.	2.2	7
49	Isomerization versus Decarboxylation of Protonated Oxetanone: Comparison between Experimental Results and Theoretical Calculations. Angewandte Chemie International Edition in English, 1990, 29, 1146-1147.	4.4	6
50	Modification of the photochemical reactivity of the cyclic ethylene acetal of .alpha.-bromopropiophenone by adsorption within zeolites. A combined contribution of Lewis acidity and cage effect in the formation of a 2-phenylpropanoate via 1,2-phenyl shift. Journal of Organic Chemistry, 1993, 58, 6892-6894.	1.7	6
51	ChiralN-Alkyl-2,4,6-triphenylpyridiniums as Enantioselective Triplet Photosensitizers. Laser Flash Photolysis and Preparative Studiesâ€. Journal of Organic Chemistry, 2002, 67, 5184-5189.	1.7	5
52	C5H9O2+ ions: the correlation between their thermochemistry in acidic solution and their chemistry in the gas phase. Journal of Organic Chemistry, 1992, 57, 6202-6206.	1.7	4
53	Direct Synthesis of a Photoactive Inorganicâ€“Organic Mesostructured Hybrid Material and its Application as a Photocatalyst. ChemPhysChem, 2009, 10, 1084-1089.	1.0	3
54	Isomerisiert oder decarboxyliert protoniertes Oxetanon? Ein Vergleich experimenteller und theoretischer Befunde. Angewandte Chemie, 1990, 102, 1187-1188.	1.6	2

#	Article	IF	Citations
55	A Bifunctional Metal/Acid Catalyst for One-pot Multistep Synthesis of Pharmaceuticals. Petroleum Chemistry, 2020, 60, 499-507.	0.4	1
56	Competition between decarboxylation and isomerization in the C3H5Oâ€‰2+ energy surface. Justification of the experimental results by molecular orbital calculations on the solvated ions. Journal of Physical Organic Chemistry, 1994, 7, 221-226.	0.9	0
57	Supramolecular Self-Assembled Molecules as Organic Directing Agent for Synthesis of Zeolites.. ChemInform, 2004, 35, no.	0.1	0