

# Maria J Sabater

## List of Publications by Citations

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57  
papers

4,585  
citations

28  
h-index

65  
g-index

65  
ext. papers

4,986  
ext. citations

9.4  
avg, IF

5.82  
L-index

#	Paper	IF	Citations
57	Gold-catalyzed carbon-heteroatom bond-forming reactions. <i>Chemical Reviews</i> , <b>2011</b> , 111, 1657-712	68.1	1133
56	Advances in One-Pot Synthesis through Borrowing Hydrogen Catalysis. <i>Chemical Reviews</i> , <b>2018</b> , 118, 1410-1459	68.1	486
55	Supramolecular self-assembled molecules as organic directing agent for synthesis of zeolites. <i>Nature</i> , <b>2004</b> , 431, 287-90	50.4	453
54	Exceptional oxidation activity with size-controlled supported gold clusters of low atomicity. <i>Nature Chemistry</i> , <b>2013</b> , 5, 775-81	17.6	322
53	Heterogeneous Catalysis for Tandem Reactions. <i>ACS Catalysis</i> , <b>2014</b> , 4, 870-891	13.1	250
52	Chiral salen manganese complex encapsulated within zeolite Y: a heterogeneous enantioselective catalyst for the epoxidation of alkenes. <i>Chemical Communications</i> , <b>1997</b> , 1285-1286	5.8	219
51	A bifunctional Pd/MgO solid catalyst for the one-pot selective N-monoalkylation of amines with alcohols. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 254-60	4.8	143
50	Gold supported on a biopolymer (chitosan) catalyzes the regioselective hydroamination of alkynes. <i>Journal of Catalysis</i> , <b>2007</b> , 251, 39-47	7.3	123
49	Mechanism of selective alcohol oxidation to aldehydes on gold catalysts: Influence of surface roughness on reactivity. <i>Journal of Catalysis</i> , <b>2011</b> , 278, 50-58	7.3	101
48	Aerobic oxidation of thiols to disulfides by heterogeneous gold catalysts. <i>Chemical Science</i> , <b>2012</b> , 3, 398-404	4.4	86
47	Photoinduced Electron Transfer within Zeolite Cavities: cis-Stilbene Isomerization Photosensitized by 2,4,6-Triphenylpyrylium Cation Imprisoned inside Zeolite Y. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 2276-2280	16.4	83
46	On the activity of chiral chromium salen complexes covalently bound to solid silicates for the enantioselective epoxide ring opening. <i>Applied Catalysis A: General</i> , <b>2002</b> , 228, 279-288	5.1	80
45	New route for the synthesis of benzimidazoles by a one-pot multistep process with mono and bifunctional solid catalysts. <i>Tetrahedron</i> , <b>2010</b> , 66, 730-735	2.4	79
44	Gold catalysts and solid catalysts for biomass transformations: Valorization of glycerol and glycerol/water mixtures through formation of cyclic acetals. <i>Journal of Catalysis</i> , <b>2010</b> , 271, 351-357	7.3	73
43	Computational and Experimental Approach to the Role of Structure-Directing Agents in the Synthesis of Zeolites: The Case of Cyclohexyl Alkyl Pyrrolidinium Salts in the Synthesis of $\beta$ -EU-1, ZSM-11, and ZSM-12 Zeolites. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 5432-5440	3.4	72
42	Chemicals from Biomass: Chemoselective Reductive Amination of Ethyl Levulinate with Amines. <i>ACS Catalysis</i> , <b>2015</b> , 5, 5812-5821	13.1	70
41	Regioselective transformation of alkynes into cyclic acetals and thioacetals with a gold(I) catalyst: comparison with Brønsted acid catalysts. <i>Tetrahedron</i> , <b>2008</b> , 64, 7902-7909	2.4	66

40	Regio- and Stereoselective Intermolecular Hydroalkoxylation of Alkynes Catalysed by Cationic Gold(I) Complexes. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 1701-1710	5.6	61
39	Enantioselective epoxidation of olefins with molecular oxygen catalyzed by gold(III): A dual pathway for oxygen transfer. <i>Journal of Catalysis</i> , <b>2009</b> , 265, 238-244	7.3	55
38	Chiral manganese(III) salen catalysts immobilized on MCM-41 and delaminated zeolites ITQ-2 and ITQ-6 through new axial coordinating linkers. <i>Journal of Catalysis</i> , <b>2004</b> , 228, 92-99	7.3	55
37	Gem-diamines as highly active organocatalysts for carbon-carbon bond formation. <i>Journal of Catalysis</i> , <b>2007</b> , 246, 136-146	7.3	54
36	Highly Stable Chiral and Achiral Nitrogen Base Adducts of Methyltrioxorhenium(VII) as Catalysts in the Epoxidation of Alkenes. <i>Journal of Catalysis</i> , <b>2002</b> , 210, 192-197	7.3	47
35	Coupling of two multistep catalytic cycles for the one-pot synthesis of propargylamines from alcohols and primary amines on a nanoparticulated gold catalyst. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14150-6	4.8	41
34	On the Existence of Different Zeolite-Associated Topological Redox Isomers. Electrochemistry of the Y Zeolite-Associated Mn(Salen) <sub>3</sub> Complex. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 574-582	3.4	41
33	Bifunctional acid-base ionic liquid organocatalysts with a controlled distance between acid and base sites. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 1221-31	4.8	40
32	Laser flash photolysis study of Jacobsen catalyst and related manganese(III) salen complexes. Relevance to catalysis. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 7074-80	16.4	39
31	Monoalkylations with alcohols by a cascade reaction on bifunctional solid catalysts: Reaction kinetics and mechanism. <i>Journal of Catalysis</i> , <b>2011</b> , 279, 319-327	7.3	38
30	A Computational Study on the Templating Ability of the Trispyrrolidinium Cation in the Synthesis of ZSM-18 Zeolite. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 4520-4526	9.6	36
29	One-pot palladium-catalyzed borrowing hydrogen synthesis of thioethers. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 17464-71	4.8	26
28	Photochemical and Chemical Electron Transfer Reactions of Bicyclo[2.1.0]pentanes (Housanes) in Solution and in Zeolite Cavities. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 2380-2386	16.4	24
27	Stabilization and recovery of gold catalysts in the cyclopropanation of alkenes within ionic liquids. <i>Journal of Catalysis</i> , <b>2008</b> , 259, 26-35	7.3	20
26	A new synthesis method for the preparation of ITQ-7 zeolites and the characterisation of the resulting materials. <i>Comptes Rendus Chimie</i> , <b>2005</b> , 8, 369-378	2.7	18
25	Bifunctional acid-base ionic liquid for the one-pot synthesis of fine chemicals: Thioethers, 2H-chromenes and 2H-quinoline derivatives. <i>Applied Catalysis A: General</i> , <b>2014</b> , 481, 27-38	5.1	16
24	Photochemistry of nickel salen based complexes and relevance to catalysis. <i>New Journal of Chemistry</i> , <b>2002</b> , 26, 405-410	3.6	16
23	Intrazeolite Photochemistry. 24. Enantioselective Discrimination in the Quenching of Chiral Mn(II)salen Complexes Encapsulated inside Y Zeolite by Chiral 2-Butanols. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 8521-8522	16.4	13

22	A recyclable bifunctional acid-base organocatalyst with ionic liquid character. The role of site separation and spatial configuration on different condensation reactions. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 17255-61	3.6	11
21	Mechanism of Photodenitrogenation of Salen Azido-Metal Complexes within the Cavities of Zeolite Y. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 8361-8365	3.4	11
20	Synthesis of isomorphically substituted Ru manganese molecular sieves and their catalytic properties for selective alcohol oxidation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 3771-3784	13	9
19	Methanolysis of sunflower oil using gem-diamines as active organocatalysts for biodiesel production. <i>Applied Catalysis A: General</i> , <b>2010</b> , 382, 36-42	5.1	9
18	Charge matching between the occluded organic cations and zeolite framework as structure directing effect in zeolite synthesis. <i>Studies in Surface Science and Catalysis</i> , <b>2008</b> , 174, 249-252	1.8	7
17	Thermolysis of unsaturated dicarboxylic acids in sulfuric acid and oleum. A comparison with the CIMS fragmentation patterns. <i>Journal of Organic Chemistry</i> , <b>1988</b> , 53, 5480-5484	4.2	7
16	Synthesis of $\beta$ -lactones from easily and accessible reactants catalyzed by CuMnO <sub>x</sub> catalysts. <i>Comptes Rendus Chimie</i> , <b>2018</b> , 21, 164-173	2.7	7
15	Laser flash photolysis study of azides derived from Cr(III) and Mn(III) salen complexes. <i>New Journal of Chemistry</i> , <b>2002</b> , 26, 1646-1650	3.6	6
14	Electrochemical Analysis of Catalytic and Oxygen Interfacial Transfer Effects on MnO <sub>2</sub> Deposited on Gold Electrodes. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 10939-10947	3.8	5
13	Isomerization versus Decarboxylation of Protonated Oxetanone: Comparison between Experimental Results and Theoretical Calculations. <i>Angewandte Chemie International Edition in English</i> , <b>1990</b> , 29, 1146-1147		5
12	Chiral N-alkyl-2,4,6-triphenylpyridiniums as enantioselective triplet photosensitizers. laser flash photolysis and preparative studies. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 5184-9	4.2	4
11	C(5)H(7)O(2)(+) ions: the correlation between their thermochemistry in acidic solution and their chemistry in the gas phase. <i>Journal of Organic Chemistry</i> , <b>2000</b> , 65, 964-8	4.2	4
10	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. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 6892-6894	4.2	4
9	C <sub>5</sub> H <sub>9</sub> O <sub>2</sub> <sup>+</sup> ions: the correlation between their thermochemistry in acidic solution and their chemistry in the gas phase. <i>Journal of Organic Chemistry</i> , <b>1992</b> , 57, 6202-6206	4.2	4
8	Direct synthesis of a photoactive inorganic-organic mesostructured hybrid material and its application as a photocatalyst. <i>ChemPhysChem</i> , <b>2009</b> , 10, 1084-9	3.2	3
7	Ruthenium isomorph substitution into manganese oxide octahedral molecular sieve OMS-2: Comparative physic-chemical and catalytic studies of Ru versus abundant metal cationic dopants. <i>Catalysis Today</i> , <b>2021</b> ,	5.3	3
6	Active and Regioselective Ru Single-Site Heterogeneous Catalysts for Alpha-Olefin Hydroformylation. <i>ACS Catalysis</i> , <b>2022</b> , 12, 4182-4193	13.1	3
5	Biopolymers from Plants <b>2013</b> , 37-86		2

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|---|--|-----|---|
| 4 | Isomerisiert oder decarboxyliert protoniertes Oxetanon? Ein Vergleich experimenteller und theoretischer Befunde. <i>Angewandte Chemie</i> , <b>1990</b> , 102, 1187-1188   | 3.6 | 1 |
| 3 | Recent Manganese Oxide Octahedral Molecular Sieves (OMS $\bar{\text{O}}$ ) with Isomorphically Substituted Cationic Dopants and Their Catalytic Applications. <i>Catalysts</i> , <b>2021</b> , 11, 1147  | 4   | 1 |
| 2 | A Bifunctional Metal/Acid Catalyst for One-pot Multistep Synthesis of Pharmaceuticals. <i>Petroleum Chemistry</i> , <b>2020</b> , 60, 499-507  | 1.1 |   |
| 1 | Competition between decarboxylation and isomerization in the C <sub>3</sub> H <sub>5</sub> O energy surface. Justification of the experimental results by molecular orbital calculations on the solvated ions. <i>Journal of Physical Organic Chemistry</i> , <b>1994</b> , 7, 221-226 | 2.1 |   |