

# Sergio R De Miguel

## List of Publications by Year in descending order

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15  
papers

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citations

933447

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1125743

13  
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docs citations

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times ranked

487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of PtSn catalysts supported on $\text{MAl}_2\text{O}_4$ (M: Mg or Zn) in n-butane dehydrogenation: characterization of the metallic phase. <i>Applied Catalysis A: General</i> , 2004, 277, 11-22.	4.3	110
2	n-Butane dehydrogenation on Pt, PtSn and PtGe supported on $\gamma\text{-Al}_2\text{O}_3$ deposited on spheres of $\gamma\text{-Al}_2\text{O}_3$ by washcoating. <i>Applied Catalysis A: General</i> , 2010, 381, 83-91.	4.3	56
3	Catalytic performance in citral hydrogenation and characterization of PtSn catalysts supported on activated carbon felt and powder. <i>Applied Catalysis A: General</i> , 2005, 281, 247-258.	4.3	54
4	Characterization of $\text{ZnAl}_2\text{O}_4$ Obtained by Different Methods and Used as Catalytic Support of Pt. <i>Catalysis Letters</i> , 2009, 129, 293-302.	2.6	50
5	n-Butane Dehydrogenation on PtSn Supported on $\text{MAl}_2\text{O}_4$ (M: Mg or Zn) Catalysts. <i>Catalysis Letters</i> , 2004, 96, 129-140.	2.6	38
6	Deposition of Pt nanoparticles on different carbonaceous materials by using different preparation methods for PEMFC electrocatalysts. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17910-17920.	7.1	26
7	New trimetallic catalysts supported on coprecipitated $\text{MgAl}_2\text{O}_4$ for n-paraffins selective dehydrogenation processes. <i>Catalysis Communications</i> , 2009, 10, 1463-1466.	3.3	16
8	Promoting Effect of Tin in Platinum Electrocatalysts for Direct Methanol Fuel Cells (DMFC). <i>Journal of the Electrochemical Society</i> , 2015, 162, F243-F249.	2.9	16
9	Behavior of PtPb/ $\text{MgAl}_2\text{O}_4$ catalysts with different Pb contents and trimetallic PtPbIn catalysts in n-butane dehydrogenation. <i>Applied Catalysis A: General</i> , 2013, 468, 135-142.	4.3	12
10	$\text{MgAl}_2\text{O}_4$ spinel prepared by mechanochemical synthesis used as a support of multimetallic catalysts for paraffin dehydrogenation. <i>Catalysis in Industry</i> , 2013, 5, 61-73.	0.7	10
11	Effect of the Preparation Method on the Electrocatalytic Activity of Pt-Sn/Nanotubes Catalysts Used in DMFC. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1524-F1533.	2.9	9
12	New PtSn structured catalysts with $\text{ZnAl}_2\text{O}_4$ thin film for n-butane dehydrogenation reaction. <i>Applied Catalysis A: General</i> , 2020, 590, 117315.	4.3	8
13	Synthesis of spherical structured catalysts by dip-coating: Application to n-butane dehydrogenation. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 696-703.	1.7	6
14	Effect of Sn content on Pt/ CNT electrocatalysts for direct ethanol fuel cell application. <i>Canadian Journal of Chemical Engineering</i> , 0, , .	1.7	5
15	Stability studies of PtSn structured catalysts supported on thin layers of $\text{MAl}_2\text{O}_4$ (M: Mg, or Zn) for paraffins dehydrogenation reactions. <i>Canadian Journal of Chemical Engineering</i> , 2023, 101, 431-443.	1.7	0