

# Vincent Demers-Carpentier

## List of Publications by Year in descending order

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12  
papers

277  
citations

1040056

9  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Observation of Molecular Preorganization for Chirality Transfer on a Catalyst Surface. <i>Science</i> , 2011, 334, 776-780.	12.6	84
2	Stereodirection of an $\hat{\pm}$ -Ketoester at Sub-molecular Sites on Chirally Modified Pt(111): Heterogeneous Asymmetric Catalysis. <i>Journal of the American Chemical Society</i> , 2013, 135, 9999-10002.	13.7	37
3	Keto-Enol Driven Assembly of Methyl Pyruvate on Pt(111). <i>Journal of the American Chemical Society</i> , 2007, 129, 11668-11669.	13.7	35
4	Two-Dimensional Self-Assembly and Catalytic Function: Conversion of Chiral Alcohols into Self-Assembled Enols on Pt(111). <i>Journal of Physical Chemistry C</i> , 2010, 114, 7291-7298.	3.1	27
5	Surface Vibrational Spectroscopy Study of Benzene and 2,2,2-Trifluoroacetophenone on Pt(111). <i>Journal of Physical Chemistry C</i> , 2011, 115, 6513-6520.	3.1	19
6	Tuning Aryl $\hat{\sim}$ CH $\hat{\sim}$ CH $\hat{\sim}$ O Intermolecular Interactions on Pt(111). <i>Journal of Physical Chemistry C</i> , 2011, 115, 1355-1360.	3.1	17
7	Single-chiral-catalytic-surface-sites: STM and DFT study of stereodirecting complexes formed between (R)-1-(1-naphthyl)ethylamine and ketopantolactone on Pt(111). <i>Catalysis Science and Technology</i> , 2015, 5, 743-753.	4.1	15
8	Disrupting Aryl-CH $\hat{\sim}$ CH $\hat{\sim}$ O Interactions on Pt(111) Through the Coadsorption of Trifluoroacetic Acid and 2,2,2-Trifluoroacetophenone (TFAP): Inhibition of Competing Processes in Heterogeneous Asymmetric Catalysis. <i>Topics in Catalysis</i> , 2011, 54, 1334-1339.	2.8	11
9	Scanning Tunneling Microscopy Measurements of the Full Cycle of a Heterogeneous Asymmetric Hydrogenation Reaction on Chirally Modified Pt(111). <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 92-96.	4.6	10
10	A comparative study of diastereomeric complexes formed by a prochiral substrate and three structurally analogous chiral molecules on Pt(111). <i>Surface Science</i> , 2016, 646, 13-18.	1.9	9
11	Aminolactone Chiral Modifiers for Heterogeneous Asymmetric Hydrogenation: Corrected Structure of Pantoyl-Naphthylethylamine, In-Situ Hydrogenolysis, and Scanning Tunneling Microscopy Observation of Supramolecular Aminolactone/Substrate Assemblies on Pt(111). <i>ACS Catalysis</i> , 2013, 3, 2677-2683.	11.2	8
12	Weak interactions in the assembly of strongly chemisorbed molecules. <i>Chemical Communications</i> , 2011, 47, 9113.	4.1	5