

Federico Masini

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,173
citations

623734

14
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

2436
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass-selected nanoparticles of Pt _x Y as model catalysts for oxygen electroreduction. <i>Nature Chemistry</i> , 2014, 6, 732-738.	13.6	298
2	Oxygen evolution on well-characterized mass-selected Ru and RuO ₂ nanoparticles. <i>Chemical Science</i> , 2015, 6, 190-196.	7.4	298
3	Direct Observation of Molecular Preorganization for Chirality Transfer on a Catalyst Surface. <i>Science</i> , 2011, 334, 776-780.	12.6	84
4	The enhanced activity of mass-selected Pt/Gd nanoparticles for oxygen electroreduction. <i>Journal of Catalysis</i> , 2015, 328, 297-307.	6.2	83
5	A Surface Coordination Network Based on Copper Adatom Trimers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12955-12959.	13.8	61
6	Direct observation of the dealloying process of a platinum-yttrium nanoparticle fuel cell cathode and its oxygenated species during the oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28121-28128.	2.8	54
7	Chiral Induction by Seeding Surface Assemblies of Chiral Switches. <i>Journal of the American Chemical Society</i> , 2011, 133, 13910-13913.	13.7	52
8	Adsorption and dehydrogenation of tetrahydroxybenzene on Cu(111). <i>Chemical Communications</i> , 2013, 49, 9308.	4.1	40
9	Stereodirection of an α -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
10	From zero to two dimensions: supramolecular nanostructures formed from perylene-3,4,9,10-tetracarboxylic diimide (PTCDI) and Ni on the Au(111) surface through the interplay between hydrogen-bonding and electrostatic metal-organic interactions. <i>Nano Research</i> , 2012, 5, 903-916.	10.4	31
11	Controlling Chiral Organization of Molecular Rods on Au(111) by Molecular Design. <i>Journal of the American Chemical Society</i> , 2011, 133, 4896-4905.	13.7	30
12	Fine-tuning the activity of oxygen evolution catalysts: The effect of oxidation pre-treatment on size-selected Ru nanoparticles. <i>Catalysis Today</i> , 2016, 262, 57-64.	4.4	27
13	Methanation on mass-selected Ru nanoparticles on a planar SiO ₂ model support: The importance of under-coordinated sites. <i>Journal of Catalysis</i> , 2013, 308, 282-290.	6.2	20
14	Exploring the phase space of time of flight mass selected Pt _x Y nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26506-26513.	2.8	20
15	Ein Metallorganisches Netzwerk auf Basis von Cu-Adatom-Trimeren. <i>Angewandte Chemie</i> , 2014, 126, 13169-13173.	2.0	11
16	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
17	The most stable adsorption geometries of two chiral modifiers on Pt(111). <i>Surface Science</i> , 2018, 676, 17-22.	1.9	9
18	Adsorption of the organic salt TAB(HCl) ₄ on Cu(111) studied using STM and XPS. <i>Chemical Communications</i> , 2013, 49, 8665.	4.1	6

#	ARTICLE	IF	CITATIONS
19	Novel micro-reactor flow cell for investigation of model catalysts using <i>in situ</i> grazing-incidence X-ray scattering. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 455-463.	2.4	2
20	Morphology of Ruthenium Particles for Methanation under Reactive Conditions. <i>Microscopy and Microanalysis</i> , 2014, 20, 416-417.	0.4	0