

# Guillaume Goubert

## List of Publications by Year in descending order

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38  
papers

1,041  
citations

471509

17  
h-index

414414

32  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1310  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh-Vacuum Tip-Enhanced Raman Spectroscopy. <i>Chemical Reviews</i> , 2017, 117, 4961-4982.	47.7	128
2	Investigating Nanoscale Electrochemistry with Surface- and Tip-Enhanced Raman Spectroscopy. <i>Accounts of Chemical Research</i> , 2016, 49, 2023-2030.	15.6	101
3	Conformational Contrast of Surface-Mediated Molecular Switches Yields Ångstrom-Scale Spatial Resolution in Ultrahigh Vacuum Tip-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2016, 16, 7774-7778.	9.1	96
4	Direct Observation of Molecular Preorganization for Chirality Transfer on a Catalyst Surface. <i>Science</i> , 2011, 334, 776-780.	12.6	84
5	Nanometre-scale spectroscopic visualization of catalytic sites during a hydrogenation reaction on a Pd/Au bimetallic catalyst. <i>Nature Catalysis</i> , 2020, 3, 834-842.	34.4	84
6	Tip-Enhanced Raman Voltammetry: Coverage Dependence and Quantitative Modeling. <i>Nano Letters</i> , 2017, 17, 590-596.	9.1	74
7	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
8	Investigation of Cobalt Phthalocyanine at the Solid/Liquid Interface by Electrochemical Tip-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9852-9859.	3.1	37
9	Solution Phase and Surface Photoisomerization of a Hydrazone Switch with a Long Thermal Half-Life. <i>Journal of the American Chemical Society</i> , 2019, 141, 17637-17645.	13.7	30
10	Ultrathin Single Crystalline MgO(111) Nanosheets**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3254-3260.	13.8	29
11	How Peptides Dissociate in Plasmonic Hot Spots. <i>Small</i> , 2020, 16, e1905197.	10.0	28
12	Electrochemical STM Tip-Enhanced Raman Spectroscopy Study of Electron Transfer Reactions of Covalently Tethered Chromophores on Au(111). <i>Journal of Physical Chemistry C</i> , 2018, 122, 11586-11590.	3.1	27
13	<i>In Situ</i> Electrochemical Tip-Enhanced Raman Spectroscopy with a Chemically Modified Tip. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3825-3828.	4.6	26
14	Structure determination of chemisorbed chirality transfer complexes: Accelerated STM analysis and exchange-correlation functional sensitivity. <i>Surface Science</i> , 2014, 629, 48-56.	1.9	25
15	Monitoring interconversion between stereochemical states in single chirality-transfer complexes on a platinum surface. <i>Nature Chemistry</i> , 2017, 9, 531-536.	13.6	25
16	Structure and Dynamics of Individual Diastereomeric Complexes on Platinum: Surface Studies Related to Heterogeneous Enantioselective Catalysis. <i>Accounts of Chemical Research</i> , 2017, 50, 1163-1170.	15.6	20
17	Walking-like diffusion of two-footed asymmetric aromatic adsorbates on Pt(111). <i>Surface Science</i> , 2014, 629, 123-131.	1.9	19
18	Tuning Aryl $\pi$ -CH $\pi$ -O Intermolecular Interactions on Pt(111). <i>Journal of Physical Chemistry C</i> , 2011, 115, 1355-1360.	3.1	17

#	ARTICLE	IF	CITATIONS
19	In-Situ Spectroscopic Detection of Active Surface Species in Asymmetric Heterogeneous Catalysis. <i>ChemCatChem</i> , 2013, 5, 683-685.	3.7	15
20	Nanoscale Surface Redox Chemistry Triggered by Plasmon-Generated Hot Carriers. <i>Small</i> , 2019, 15, 1903674.	10.0	15
21	Nanoscale Chemical Imaging of Supported Lipid Monolayers using Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19041-19046.	13.8	14
22	Surface Diastereomeric Complexes Formed by Methyl Benzoylformate and (<i>R</i>)-1-(1-Naphthyl)ethylamine on Pt(111). <i>ACS Catalysis</i> , 2014, 4, 847-854.	11.2	12
23	Disrupting Aryl-CH <sub>2</sub> -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
24	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
25	Isolating a Reaction Intermediate in the Hydrogenation of 2,2,2-Trifluoroacetophenone on Pt(111). <i>Journal of Physical Chemistry C</i> , 2015, 119, 7319-7326.	3.1	10
26	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
27	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
28	Tip Recycling for Atomic Force Microscopy-Based Tip-Enhanced Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2020, 74, 1358-1364.	2.2	8
29	Light Controlled Capillarity of Liquid Crystals on Photo Anisotropic Surfaces. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 526, 46-57.	0.9	7
30	Tipping point. <i>Nature Nanotechnology</i> , 2017, 12, 100-101.	31.5	7
31	Observation of a photo wetting effect on anisotropic liquid-solid interfaces. <i>Optics Express</i> , 2009, 17, 9637.	3.4	5
32	Spectroscopic and structural characterization of the formation of olefin metathesis initiating sites on unsupported Ir <sub>2</sub> -Mo <sub>2</sub> C. <i>Catalysis Science and Technology</i> , 2011, 1, 1449.	4.1	5
33	Weak interactions in the assembly of strongly chemisorbed molecules. <i>Chemical Communications</i> , 2011, 47, 9113.	4.1	5
34	Nanoscale Chemical Imaging of Supported Lipid Monolayers using Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie</i> , 2021, 133, 19189-19194.	2.0	5
35	Rotation and diffusion of naphthalene on Pt(111). <i>Journal of Chemical Physics</i> , 2018, 148, 124703.	3.0	3
36	<title>Photonic games: hands-on challenges to spark teenagers' interest in light</title>. , 2010, , .		3

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37	Ultra-High Vacuum Tip-Enhanced Raman Spectroscopy. , 2018, , 231-253.		1
38	Ultrathin Single Crystalline MgO(111) Nanosheets**. Angewandte Chemie, 2021, 133, 3291-3297.	2.0	1