

Francesca Cecchet

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Label-free, quantitative and sensitive detection of nanoparticle/membrane interactions through the optical response of water. <i>Sensors and Actuators B: Chemical</i> , 2019, 289, 169-174.	7.8	5
2	Interfacial charges drive the organization of supported lipid membranes and their interaction with nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 254-261.	5.0	7
3	Unique Vibrational Features as a Direct Probe of Specific Antigen-Antibody Recognition at the Surface of a Solid-Supported Hybrid Lipid Bilayer. <i>ChemPhysChem</i> , 2016, 17, 2645-2649.	2.1	6
4	Structural Changes to Lipid Bilayers and Their Surrounding Water upon Interaction with Functionalized Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21399-21409.	3.1	19
5	Probing Graphene $\Gamma(2)$ Using a Gold Photon Sieve. <i>Nano Letters</i> , 2016, 16, 48-54.	9.1	10
6	Localized surface plasmon resonances in nanostructures to enhance nonlinear vibrational spectroscopies: towards an astonishing molecular sensitivity. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 2275-2292.	2.8	30
7	Selective Plasmonic Platforms Based on Nanopillars to Enhance Vibrational Sum-Frequency Generation Spectroscopy. <i>Advanced Optical Materials</i> , 2013, 1, 244-255.	7.3	29
8	Vibrational Sum-Frequency Generation Activity of a 2,4-Dinitrophenyl Phospholipid Hybrid Bilayer: Retrieving Orientational Parameters from a DFT Analysis of Experimental Data. <i>ChemPhysChem</i> , 2013, 14, 1227-1236.	2.1	6
9	Metallic Nanopillars: Selective Plasmonic Platforms Based on Nanopillars to Enhance Vibrational Sum-Frequency Generation Spectroscopy (<i>Advanced Optical Materials</i> 3/2013). <i>Advanced Optical Materials</i> , 2013, 1, 274-274.	7.3	0
10	Towards modelling the vibrational signatures of functionalized surfaces: carboxylic acids on $\text{H-Si}(111)$ surfaces. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 124111.	1.8	5
11	Orientational Analysis of Dodecanethiol and <i>p</i> -Nitrothiophenol SAMs on Metals with Polarisation-Dependent SFG Spectroscopy. <i>ChemPhysChem</i> , 2010, 11, 607-615.	2.1	38
12	Selective detection of the antigenic polar heads of model lipid membranes supported on metals from their vibrational nonlinear optical response. <i>Chemical Physics Letters</i> , 2010, 489, 12-15.	2.6	9
13	<i>In situ</i> nonlinear optical spectroscopy of electron-phonon couplings at alkali-doped $\text{C}_{60}/\text{Ag}(111)$ interfaces. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 1992-1996.	1.5	6
14	Theoretical Calculations and Experimental Measurements of the Vibrational Response of <i>p</i> -NTP SAMs: An Orientational Analysis. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4106-4113.	3.1	30
15	Theoretical Simulation of Vibrational Sum-Frequency Generation Spectra from Density Functional Theory: Application to <i>p</i> -Nitrothiophenol and 2,4-Dinitroaniline. <i>ChemPhysChem</i> , 2009, 10, 2132-2142.	2.1	35
16	DC Magnetron Sputtering Deposition of Titanium Oxide Nanoparticles: Influence of Temperature, Pressure and Deposition Time on the Deposited Layer Morphology, the Wetting and Optical Surface Properties. <i>Plasma Processes and Polymers</i> , 2009, 6, S849.	3.0	18
17	Self-Assembled Film Organization in Fast Microcontact Printing Investigated by Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9857-9864.	3.1	13
18	Noncritical singly resonant synchronously pumped OPO for generation of picosecond pulses in the mid-infrared near $64\frac{1}{4}\mu\text{m}$. <i>Optics Letters</i> , 2009, 34, 3053.	3.3	34

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19	A Generic Chemical Platform for Molecular Recognition and Stimuli-Responsive Probes Based on Scanning Probe Microscopy. <i>Small</i> , 2008, 4, 1101-1104.	10.0	12
20	Orientation and Order of Self-Assembled p-Benzenedimethanethiol Films on Pt(111) Obtained by Direct Adsorption and via Alkanethiol Displacement. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6357-6364.	3.1	28
21	Atomic Force Microscopy Investigation of the Morphology and the Biological Activity of Protein-Modified Surfaces for Bio- and Immunosensors. <i>Analytical Chemistry</i> , 2007, 79, 6488-6495.	6.5	25
22	Redox Mediation at 11-Mercaptoundecanoic Acid Self-Assembled Monolayers on Gold. <i>Journal of Physical Chemistry B</i> , 2006, 110, 2241-2248.	2.6	65
23	Electrochemical and electrochromic investigation of poly-bithiophene films on a mesoporous TiO ₂ surface. <i>Synthetic Metals</i> , 2006, 156, 27-31.	3.9	18
24	Structural and electrochemical characterization of fullerene-based surfaces of C ₆₀ mono- or bis-adducts grafted onto self-assembled monolayers. <i>Carbon</i> , 2006, 44, 3014-3021.	10.3	9
25	Efficiency enhancement of the electrocatalytic reduction of CO ₂ : fac-[Re(v-bpy)(CO) ₃ Cl] electropolymerized onto mesoporous TiO ₂ electrodes. <i>Inorganica Chimica Acta</i> , 2006, 359, 3871-3874.	2.4	55
26	One Step Growth of Protein Antifouling Surfaces: Monolayers of Poly(ethylene oxide) (PEO) Derivatives on Oxidized and Hydrogen-Passivated Silicon Surfaces. <i>Langmuir</i> , 2006, 22, 1173-1181.	3.5	55
27	Suitable Materials for Soft Tissue Reconstruction: In Vitro Studies of Cell Triblock Copolymer Interactions. <i>Journal of Bioactive and Compatible Polymers</i> , 2005, 20, 509-526.	2.1	11
28	Electrode Surface Modification by a Spirobifluorene Derivative. An XPS and Electrochemical Investigation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18427-18432.	2.6	6
29	Structural, Electrochemical, and Photophysical Properties of a Molecular Shuttle Attached to an Acid-Terminated Self-Assembled Monolayer. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15192-15199.	2.6	60
30	Grafting of Benzylic Amide Macrocycles onto Acid-Terminated Self-Assembled Monolayers Studied by XPS, RAIRS, and Contact Angle Measurements. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10863-10872.	2.6	50
31	Adsorption of a Benzylic Amide Macrocycle on a Solid Substrate: XPS and HREELS Characterization of Thin Films Grown on Au(111). <i>Journal of Physical Chemistry B</i> , 2002, 106, 8739-8746.	2.6	40
32	Solvent Effects on the Oxidative Electrochemical Behavior of cis-Bis(isothiocyanato)ruthenium(II)-bis-2,2'-bipyridine-4,4'-dicarboxylic Acid. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3926-3932.	2.6	61
33	A high resolution electron energy loss spectroscopy study of the adsorption of benzylic amide macrocycle on Au(111). <i>Surface Science</i> , 2001, 474, 71-80.	1.9	15