# Francesca Cecchet

List of Publications by Year
in descending order

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| 33 | 811 | 471509 | 501196 |
|---|---|---|---|
| papers | citations | 17 h-index | 28 g-index |

| 34 | 34 | 34 | 1281 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Redox Mediation at 11-Mercaptoundecanoic Acid Self-Assembled Monolayers on Gold. Journal of Physical Chemistry B, 2006, 110, 2241-2248. | 2.6 | 65 |
| 2 | Solvent Effects on the Oxidative Electrochemical Behavior ofcis-Bis(isothiocyanato)ruthenium(II)-bis-2,2â€˜-bipyridine-4,4â€˜-dicarboxylic Acid. Journal of Physical Chemistry B, 2002, 106, 3926-3932. | 2.6 | 61 |
| 3 | Structural, Electrochemical, and Photophysical Properties of a Molecular Shuttle Attached to an Acid-Terminated Self-Assembled Monolayer. Journal of Physical Chemistry B, 2004, 108, 15192-15199. | 2.6 | 60 |
| 4 | Efficiency enhancement of the electrocatalytic reduction of CO2: fac-[Re(v-bpy)(CO)3Cl] electropolymerized onto mesoporous TiO2 electrodes. Inorganica Chimica Acta, 2006, 359, 3871-3874. | 2.4 | 55 |
| 5 | One Step Growth of Protein Antifouling Surfaces:â€‰ Monolayers of Poly(ethylene oxide) (PEO) Derivatives on Oxidized and Hydrogen-Passivated Silicon Surfaces. Langmuir, 2006, 22, 1173-1181. | 3.5 | 55 |
| 6 | Grafting of Benzylic Amide Macrocycles onto Acid-Terminated Self-Assembled Monolayers Studied by XPS, RAIRS, and Contact Angle Measurements. Journal of Physical Chemistry B, 2003, 107, 10863-10872. | 2.6 | 50 |
| 7 | Adsorption of a Benzylic Amide Macrocycle on a Solid Substrate:â€‰ XPS and HREELS Characterization of Thin Films Grown on Au(111). Journal of Physical Chemistry B, 2002, 106, 8739-8746. | 2.6 | 40 |
| 8 | Orientational Analysis of Dodecanethiol and pâ€Nitrothiophenol SAMs on Metals with Polarisationâ€Dependent SFG Spectroscopy. ChemPhysChem, 2010, 11, 607-615. | 2.1 | 38 |
| 9 | Theoretical Simulation of Vibrational Sumâ€Frequency Generation Spectra from Density Functional Theory: Application to pâ€Nitrothiophenol and 2,4â€Dinitroaniline. ChemPhysChem, 2009, 10, 2132-2142. | 2.1 | 35 |
| 10 | Noncritical singly resonant synchronously pumped OPO for generation of picosecond pulses in the mid-infrared near 64 Î¼m. Optics Letters, 2009, 34, 3053. | 3.3 | 34 |
| 11 | Theoretical Calculations and Experimental Measurements of the Vibrational Response of p-NTP SAMs: An Orientational Analysis. Journal of Physical Chemistry C, 2010, 114, 4106-4113. | 3.1 | 30 |
| 12 | Localized surface plasmon resonances in nanostructures to enhance nonlinear vibrational spectroscopies: towards an astonishing molecular sensitivity. Beilstein Journal of Nanotechnology, 2014, 5, 2275-2292. | 2.8 | 30 |
| 13 | Selective Plasmonic Platforms Based on Nanopillars to Enhance Vibrational Sumâ€Frequency Generation Spectroscopy. Advanced Optical Materials, 2013, 1, 244-255. | 7.3 | 29 |
| 14 | Orientation and Order of Self-Assembledp-Benzenedimethanethiol Films on Pt(111) Obtained by Direct Adsorption and via Alkanethiol Displacement. Journal of Physical Chemistry C, 2007, 111, 6357-6364. | 3.1 | 28 |
| 15 | Atomic Force Microscopy Investigation of the Morphology and the Biological Activity of Protein-Modified Surfaces for Bio- and Immunosensors. Analytical Chemistry, 2007, 79, 6488-6495. | 6.5 | 25 |
| 16 | Structural Changes to Lipid Bilayers and Their Surrounding Water upon Interaction with Functionalized Gold Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 21399-21409. | 3.1 | 19 |
| 17 | Electrochemical and electrochromic investigation of poly-bithiophene films on a mesoporous TiO2 surface. Synthetic Metals, 2006, 156, 27-31. | 3.9 | 18 |
| 18 | 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. Plasma Processes and Polymers, 2009, 6, S849. | 3.0 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A high resolution electron energy loss spectroscopy study of the adsorption of benzylic amide macrocycle on Au(111). Surface Science, 2001, 474, 71-80. | 1.9 | 15 |
| 20 | Self-Assembled Film Organization in Fast Microcontact Printing Investigated by Sum Frequency Generation Spectroscopy. Journal of Physical Chemistry C, 2009, 113, 9857-9864. | 3.1 | 13 |
| 21 | A Generic Chemical Platform for Molecular Recognition and Stimuliâ€Responsive Probes Based on Scanning Probe Microscopy. Small, 2008, 4, 1101-1104. | 10.0 | 12 |
| 22 | Suitable Materials for Soft Tissue Reconstruction: In Vitro Studies of Cell â€“ Triblock Copolymer Interactions. Journal of Bioactive and Compatible Polymers, 2005, 20, 509-526. | 2.1 | 11 |
| 23 | Probing Graphene Ï‡<sup>(2)</sup> Using a Gold Photon Sieve. Nano Letters, 2016, 16, 48-54. | 9.1 | 10 |
| 24 | Structural and electrochemical characterization of fullerene-based surfaces of C60 mono- or bis-adducts grafted onto self-assembled monolayers. Carbon, 2006, 44, 3014-3021. | 10.3 | 9 |
| 25 | Selective detection of the antigenic polar heads of model lipid membranes supported on metals from their vibrational nonlinear optical response. Chemical Physics Letters, 2010, 489, 12-15. | 2.6 | 9 |
| 26 | Interfacial charges drive the organization of supported lipid membranes and their interaction with nanoparticles. Colloids and Surfaces B: Biointerfaces, 2018, 172, 254-261. | 5.0 | 7 |
| 27 | Electrode Surface Modification by a Spirobifluorene Derivative. An XPS and Electrochemical Investigation. Journal of Physical Chemistry B, 2005, 109, 18427-18432. | 2.6 | 6 |
| 28 | In situ nonlinear optical spectroscopy of electronâ€“phonon couplings at alkaliâ€doped C<sub>60</sub>/Ag(111) interfaces. Physica Status Solidi (B): Basic Research, 2010, 247, 1992-1996. | 1.5 | 6 |
| 29 | Vibrational Sumâ€Frequency Generation Activity of a 2,4â€Dinitrophenyl Phospholipid Hybrid Bilayer: Retrieving Orientational Parameters from a DFT Analysis of Experimental Data. ChemPhysChem, 2013, 14, 1227-1236. | 2.1 | 6 |
| 30 | Unique Vibrational Features as a Direct Probe of Specific Antigenâ€“Antibody Recognition at the Surface of a Solidâ€Supported Hybrid Lipid Bilayer. ChemPhysChem, 2016, 17, 2645-2649. | 2.1 | 6 |
| 31 | Towards modelling the vibrational signatures of functionalized surfaces: carboxylic acids on Hâ€“Si(111) surfaces. Journal of Physics Condensed Matter, 2012, 24, 124111. | 1.8 | 5 |
| 32 | Label-free, quantitative and sensitive detection of nanoparticle/membrane interactions through the optical response of water. Sensors and Actuators B: Chemical, 2019, 289, 169-174. | 7.8 | 5 |
| 33 | Metallic Nanopillars: Selective Plasmonic Platforms Based on Nanopillars to Enhance Vibrational Sumâ€Frequency Generation Spectroscopy (Advanced Optical Materials 3/2013). Advanced Optical Materials, 2013, 1, 274-274. | 7.3 | 0 |