

Vitor Brasiliense

List of Publications by Year in descending order

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papers

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677
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Correlated Electrochemical and Optical Detection Reveals the Chemical Reactivity of Individual Silver Nanoparticles. <i>Journal of the American Chemical Society</i> , 2016, 138, 3478-3483. | 13.7 | 136 |
| 2 | Deciphering the Elementary Steps of Transport-Reaction Processes at Individual Ag Nanoparticles by 3D Superlocalization Microscopy. <i>Nano Letters</i> , 2015, 15, 6454-6463. | 9.1 | 65 |
| 3 | Genericity of confined chemical garden patterns with regard to changes in the reactants. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 12804-12811. | 2.8 | 54 |
| 4 | Electrochemistry of Single Nanodomains Revealed by Three-Dimensional Holographic Microscopy. <i>Accounts of Chemical Research</i> , 2016, 49, 2049-2057. | 15.6 | 49 |
| 5 | Opto-electrochemical In Situ Monitoring of the Cathodic Formation of Single Cobalt Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10598-10601. | 13.8 | 48 |
| 6 | Platinum Nanoparticle Impacts at a Liquid Liquid Interface. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13493-13497. | 13.8 | 44 |
| 7 | Single-Molecule Charge Transport through Positively Charged Electrostatic Anchors. <i>Journal of the American Chemical Society</i> , 2021, 143, 2886-2895. | 13.7 | 43 |
| 8 | Monitoring Cobalt-Oxide Single Particle Electrochemistry with Subdiffraction Accuracy. <i>Analytical Chemistry</i> , 2018, 90, 7341-7348. | 6.5 | 33 |
| 9 | Electrochemical transformation of individual nanoparticles revealed by coupling microscopy and spectroscopy. <i>Faraday Discussions</i> , 2016, 193, 339-352. | 3.2 | 28 |
| 10 | Plasmon-Driven Chemistry in Ferri-/Ferrocyanoide Gold Nanoparticle Oligomers: A SERS Study. <i>Journal of the American Chemical Society</i> , 2020, 142, 13120-13129. | 13.7 | 20 |
| 11 | <i>Operando</i> Observation of Molecular-Scale Manipulation Using Electrochemical Tip-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 24329-24333. | 3.1 | 16 |
| 12 | Electron Transfer to a Phosphomolybdate Monolayer on Glassy Carbon: Ambivalent Effect of Protonation. <i>Inorganic Chemistry</i> , 2016, 55, 6929-6937. | 4.0 | 15 |
| 13 | Electrochemistry of single nanoparticles: general discussion. <i>Faraday Discussions</i> , 2016, 193, 387-413. | 3.2 | 13 |
| 14 | Platinum Nanoparticle Impacts at a Liquid Liquid Interface. <i>Angewandte Chemie</i> , 2017, 129, 13678-13682. | 2.0 | 13 |
| 15 | Light Driven Design of Dynamical Thermosensitive Plasmonic Superstructures: A Bottom-Up Approach Using Silver Supercrystals. <i>ACS Nano</i> , 2018, 12, 10833-10842. | 14.6 | 13 |
| 16 | Effect of the driving force on nanoparticles growth and shape: an opto-electrochemical study. <i>Nanoscale</i> , 2020, 12, 3227-3235. | 5.6 | 11 |
| 17 | Nanopipette-based electrochemical SERS platforms: Using electrodeposition to produce versatile and adaptable plasmonic substrates. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 339-347. | 2.5 | 9 |
| 18 | Single Nanoparticle Growth from Nanoparticle Tracking Analysis: From Monte Carlo Simulations to Nanoparticle Electrogenation. <i>ChemElectroChem</i> , 2018, 5, 3036-3043. | 3.4 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Optoelektrochemische In-situ-Beobachtung der kathodischen Abscheidung einzelner Cobaltnanopartikel. <i>Angewandte Chemie</i> , 2017, 129, 10734-10737. | 2.0 | 5 |
| 20 | Local Surface Chemistry Dynamically Monitored by Quantitative Phase Microscopy. <i>Small Methods</i> , 2022, 6, e2100737. | 8.6 | 4 |
| 21 | Holographic Superlocalization of Individual Silver Nanoparticle Impacts in Micro-electrochemical Cells., 2016, , . | | 0 |
| 22 | Holographic microscopy superlocalization monitors the electrochemical transformation of single nanoparticles (Conference Presentation). , 2018, , . | | 0 |