

Julien Polleux

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

8,173
citations

257101

24
h-index

500791

28
g-index

29
all docs

29
docs citations

29
times ranked

12330
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Microscale Thermophoresis in Liquids Induced by Plasmonic Heating and Characterized by Phase and Fluorescence Microscopies. <i>Journal of Physical Chemistry C</i> , 2021, 125, 21533-21542. | 1.5 | 9 |
| 2 | Adhesion forces and cortical tension couple cell proliferation and differentiation to drive epidermal stratification. <i>Nature Cell Biology</i> , 2018, 20, 69-80. | 4.6 | 207 |
| 3 | Photothermal Control of Heat Shock Protein Expression at the Single Cell Level. <i>Small</i> , 2018, 14, e1801910. | 5.2 | 36 |
| 4 | Light-Assisted Solvothermal Chemistry Using Plasmonic Nanoparticles. <i>ACS Omega</i> , 2016, 1, 2-8. | 1.6 | 53 |
| 5 | Structural evolution of aragonite superstructures obtained in the presence of the siderophore deferroxamine. <i>CrystEngComm</i> , 2015, 17, 3927-3935. | 1.3 | 10 |
| 6 | Super-Heating and Micro-Bubble Generation around Plasmonic Nanoparticles under cw Illumination. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4890-4898. | 1.5 | 273 |
| 7 | Fabrication of Micropatterned Arrays of Gold Nanoparticles for Photothermal Manipulation of Living Cells. <i>Methods in Cell Biology</i> , 2014, 120, 155-169. | 0.5 | 0 |
| 8 | Photoinduced Heating of Nanoparticle Arrays. <i>ACS Nano</i> , 2013, 7, 6478-6488. | 7.3 | 351 |
| 9 | Functionalizing $\alpha_5\beta_1$ Selective Integrin Antagonists for Surface Coating: A Method To Discriminate Integrin Subtypes <i>In Vitro</i> . <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1572-1575. | 7.2 | 80 |
| 10 | A Molecular Toolkit for the Functionalization of Titanium-Based Biomaterials That Selectively Control Integrin-Mediated Cell Adhesion. <i>Chemistry - A European Journal</i> , 2013, 19, 9218-9223. | 1.7 | 53 |
| 11 | Thermal Imaging of Nanostructures by Quantitative Optical Phase Analysis. <i>ACS Nano</i> , 2012, 6, 2452-2458. | 7.3 | 188 |
| 12 | Micropatterning Thermoplasmonic Gold Nanoarrays To Manipulate Cell Adhesion. <i>ACS Nano</i> , 2012, 6, 7227-7233. | 7.3 | 84 |
| 13 | Benzyl Alcohol and Block Copolymer Micellar Lithography: A Versatile Route to Assembling Gold and in Situ Generated Titania Nanoparticles into Uniform Binary Nanoarrays. <i>ACS Nano</i> , 2011, 5, 6355-6364. | 7.3 | 65 |
| 14 | Immobilized Chemokine Fields and Soluble Chemokine Gradients Cooperatively Shape Migration Patterns of Dendritic Cells. <i>Immunity</i> , 2010, 32, 703-713. | 6.6 | 282 |
| 15 | Interfacing Cell Surface Receptors to Hybrid Nanopatterned Surfaces: A Molecular Approach for Dissecting the Adhesion Machinery. <i>Advances in Polymer Science</i> , 2010, , 79-102. | 0.4 | 1 |
| 16 | Adaptive force transmission in amoeboid cell migration. <i>Nature Cell Biology</i> , 2009, 11, 1438-1443. | 4.6 | 267 |
| 17 | Templated Nanocrystal-Based Porous TiO_2 Films for Next-Generation Electrochemical Capacitors. <i>Journal of the American Chemical Society</i> , 2009, 131, 1802-1809. | 6.6 | 887 |
| 18 | Hydrophobic surfaces for enhanced differentiation of embryonic stem cell-derived embryoid bodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14459-14464. | 3.3 | 133 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Nonaqueous synthesis, assembly and formation mechanisms of metal oxide nanocrystals. International Journal of Nanotechnology, 2007, 4, 263. | 0.1 | 52 |
| 20 | Pseudocapacitive Contributions to Electrochemical Energy Storage in TiO ₂ (Anatase) Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 14925-14931. | 1.5 | 3,863 |
| 21 | Ligand and solvent effects in the nonaqueous synthesis of highly ordered anisotropic tungsten oxide nanostructures. Journal of Materials Chemistry, 2006, 16, 3969. | 6.7 | 61 |
| 22 | Nonaqueous synthesis of metal oxide nanoparticles: Review and indium oxide as case study for the dependence of particle morphology on precursors and solvents. Journal of Sol-Gel Science and Technology, 2006, 40, 259-266. | 1.1 | 136 |
| 23 | Template-Free Synthesis and Assembly of Single-Crystalline Tungsten Oxide Nanowires and their Gas-Sensing Properties. Angewandte Chemie - International Edition, 2006, 45, 261-265. | 7.2 | 325 |
| 24 | Ligand Functionality as a Versatile Tool to Control the Assembly Behavior of Preformed Titania Nanocrystals. Chemistry - A European Journal, 2005, 11, 3541-3551. | 1.7 | 133 |
| 25 | Growth and Assembly of Crystalline Tungsten Oxide Nanostructures Assisted by Bioligation. Journal of the American Chemical Society, 2005, 127, 15595-15601. | 6.6 | 213 |
| 26 | A General Soft-Chemistry Route to Perovskites and Related Materials: Synthesis of BaTiO ₃ , BaZrO ₃ , and LiNbO ₃ Nanoparticles. Angewandte Chemie - International Edition, 2004, 43, 2270-2273. | 7.2 | 270 |