Julien Polleux

List of Publications by Year
in descending order

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	Pseudocapacitive Contributions to Electrochemical Energy Storage in TiO₂ (Anatase) Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 14925-14931.	1.5	3,863
2	Templated Nanocrystal-Based Porous TiO₂ Films for Next-Generation Electrochemical Capacitors. Journal of the American Chemical Society, 2009, 131, 1802-1809.	6.6	887
3	Photoinduced Heating of Nanoparticle Arrays. ACS Nano, 2013, 7, 6478-6488.	7.3	351
4	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
5	Immobilized Chemokine Fields and Soluble Chemokine Gradients Cooperatively Shape Migration Patterns of Dendritic Cells. Immunity, 2010, 32, 703-713.	6.6	282
6	Super-Heating and Micro-Bubble Generation around Plasmonic Nanoparticles under cw Illumination. Journal of Physical Chemistry C, 2014, 118, 4890-4898.	1.5	273
7	A General Soft-Chemistry Route to Perovskites and Related Materials: Synthesis of BaTiO3, BaZrO3, and LiNbO3 Nanoparticles. Angewandte Chemie - International Edition, 2004, 43, 2270-2273.	7.2	270
8	Adaptive force transmission in amoeboid cell migration. Nature Cell Biology, 2009, 11, 1438-1443.	4.6	267
9	Growth and Assembly of Crystalline Tungsten Oxide Nanostructures Assisted by Bioligation. Journal of the American Chemical Society, 2005, 127, 15595-15601.	6.6	213
10	Adhesion forces and cortical tension couple cell proliferation and differentiation to drive epidermal stratification. Nature Cell Biology, 2018, 20, 69-80.	4.6	207
11	Thermal Imaging of Nanostructures by Quantitative Optical Phase Analysis. ACS Nano, 2012, 6, 2452-2458.	7.3	188
12	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
13	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
14	Hydrophobic surfaces for enhanced differentiation of embryonic stem cell-derived embryoid bodies. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14459-14464.	3.3	133
15	Micropatterning Thermoplasmonic Gold Nanoarrays To Manipulate Cell Adhesion. ACS Nano, 2012, 6, 7227-7233.	7.3	84
16	Functionalizing Î±vÎ²3â€•or Î±5Î²1â€šSelective Integrin Antagonists for Surface Coating: A Method To Discriminate Integrin Subtypes Inâ€…Vitro. Angewandte Chemie - International Edition, 2013, 52, 1572-1575.	7.2	80
17	Benzyl Alcohol and Block Copolymer Micellar Lithography: A Versatile Route to Assembling Gold and in Situ Generated Titania Nanoparticles into Uniform Binary Nanoarrays. ACS Nano, 2011, 5, 6355-6364.	7.3	65
18	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

#	Article	IF	Citations
19	A Molecular Toolkit for the Functionalization of Titaniumâ€Based Biomaterials That Selectively Control Integrinâ€Mediated Cell Adhesion. Chemistry - A European Journal, 2013, 19, 9218-9223.	1.7	53
20	Light-Assisted Solvothermal Chemistry Using Plasmonic Nanoparticles. ACS Omega, 2016, 1, 2-8.	1.6	53
21	Nonaqueous synthesis, assembly and formation mechanisms of metal oxide nanocrystals. International Journal of Nanotechnology, 2007, 4, 263.	0.1	52
22	Photothermal Control of Heatâ€Shock Protein Expression at the Single Cell Level. Small, 2018, 14, e1801910.	5.2	36
23	Structural evolution of aragonite superstructures obtained in the presence of the siderophore deferoxamine. CrystEngComm, 2015, 17, 3927-3935.	1.3	10
24	Microscale Thermophoresis in Liquids Induced by Plasmonic Heating and Characterized by Phase and Fluorescence Microscopies. Journal of Physical Chemistry C, 2021, 125, 21533-21542.	1.5	9
25	Interfacing Cell Surface Receptors to Hybrid Nanopatterned Surfaces: A Molecular Approach for Dissecting the Adhesion Machinery. Advances in Polymer Science, 2010, , 79-102.	0.4	1
26	Fabrication of Micropatterned Arrays of Gold Nanoparticles for Photothermal Manipulation of Living Cells. Methods in Cell Biology, 2014, 120, 155-169.	0.5	0