

# Orane Guillaume-Gentil

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5261410/publications.pdf>

Version: 2024-02-01

25  
papers

1,327  
citations

516710

16  
h-index

642732

23  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1850  
citing authors

#	ARTICLE	IF	CITATIONS
1	Force-controlled manipulation of single cells: from AFM to FluidFM. Trends in Biotechnology, 2014, 32, 381-388.	9.3	190
2	Tunable Single-Cell Extraction for Molecular Analyses. Cell, 2016, 166, 506-516.	28.9	155
3	Engineering the Extracellular Environment: Strategies for Building 2D and 3D Cellular Structures. Advanced Materials, 2010, 22, 5443-5462.	21.0	147
4	Rapid and Serial Quantification of Adhesion Forces of Yeast and Mammalian Cells. PLoS ONE, 2012, 7, e52712.	2.5	106
5	Polyelectrolyte Coatings with a Potential for Electronic Control and Cell Sheet Engineering. Advanced Materials, 2008, 20, 560-565.	21.0	100
6	Single-Cell Mass Spectrometry of Metabolites Extracted from Live Cells by Fluidic Force Microscopy. Analytical Chemistry, 2017, 89, 5017-5023.	6.5	90
7	pH-controlled recovery of placenta-derived mesenchymal stem cell sheets. Biomaterials, 2011, 32, 4376-4384.	11.4	87
8	Force-controlled Fluidic Injection into Single Cell Nuclei. Small, 2013, 9, 1904-1907.	10.0	70
9	Ion-induced cell sheet detachment from standard cell culture surfaces coated with polyelectrolytes. Biomaterials, 2012, 33, 3421-3427.	11.4	54
10	Electrochemically switchable platform for the micro-patterning and release of heterotypic cell sheets. Biomedical Microdevices, 2011, 13, 221-230.	2.8	49
11	Isolation of single mammalian cells from adherent cultures by fluidic force microscopy. Lab on A Chip, 2014, 14, 402-414.	6.0	45
12	The quantification of single cell adhesion on functionalized surfaces for cell sheet engineering. Biomaterials, 2010, 31, 6436-6443.	11.4	40
13	Mitochondria transplantation between living cells. PLoS Biology, 2022, 20, e3001576.	5.6	28
14	Controlled single-cell deposition and patterning by highly flexible hollow cantilevers. Lab on A Chip, 2016, 16, 1663-1674.	6.0	27
15	Global and local view on the electrochemically induced degradation of polyelectrolyte multilayers: from dissolution to delamination. Soft Matter, 2010, 6, 4246.	2.7	26
16	Simultaneous OWLS and EIS monitoring of supported lipid bilayers with the pore forming peptide melittin. Sensors and Actuators B: Chemical, 2012, 161, 600-606.	7.8	18
17	From nanodroplets to continuous films: how the morphology of polyelectrolyte multilayers depends on the dielectric permittivity and the surface charge of the supporting substrate. Soft Matter, 2011, 7, 3861.	2.7	17
18	Bioinspired, nanoscale approaches in contemporary bioanalytics (Review). Biointerphases, 2018, 13, 040801.	1.6	12

#	ARTICLE	IF	CITATIONS
19	Zirconium Ion Mediated Formation of Liposome Multilayers. Langmuir, 2010, 26, 10995-11002.	3.5	11
20	FluidFM: Development of the Instrument as well as Its Applications for 2D and 3D Lithography. , 0, , 295-323.		11
21	Injection into and extraction from single fungal cells. Communications Biology, 2022, 5, 180.	4.4	11
22	Uncoupling bacterial attachment on and detachment from polydimethylsiloxane surfaces through empirical and simulation studies. Journal of Colloid and Interface Science, 2022, 622, 419-430.	9.4	9
23	FluidFM Applications in Single-Cell Biology. , 2018, , 325-354.		7
24	Chemically Tunable Electrochemical Dissolution of Noncontinuous Polyelectrolyte Assemblies: An In Situ Study Using ecAFM. ACS Applied Materials & Interfaces, 2010, 2, 3525-3531.	8.0	4
25	Microfluidics: Forceâ€Controlled Fluidic Injection into Single Cell Nuclei (Small 11/2013). Small, 2013, 9, 1870-1870.	10.0	1