

# Ludovic Richert

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62 papers	4,616 citations	30 h-index	64 g-index
64 ext. papers	4,960 ext. citations	7.5 avg, IF	4.89 L-index

#	Paper	IF	Citations
62	Intermolecular dark resonance energy transfer (DRET): upgrading fluorogenic DNA sensing. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, e72	20.1	4
61	Kinetics of protein-assisted nucleic acid interconversion monitored by transient time resolved fluorescence in microfluidic droplets. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, e111	20.1	
60	Near infrared emitting molecular rotor based on merocyanine for probing the viscosity of cellular lipid environments. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 2459-2469	7.8	4
59	The use of pore-forming toxins to image lipids and lipid domains. <i>Methods in Enzymology</i> , <b>2021</b> , 649, 503-542	1.7	4
58	What Makes Thienoguanosine an Outstanding Fluorescent DNA Probe?. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 16999-17014	16.4	9
57	Excited-State Dynamics of Thienoguanosine, an Isomorphous Highly Fluorescent Analogue of Guanosine. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 7375-7386	4.8	5
56	A Molecular Tool Targeting the Base-Flipping Activity of Human UHRF1. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 13363-13375	4.8	2
55	Probing Polarity and Heterogeneity of Lipid Droplets in Live Cells Using a Push-Pull Fluorophore. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 1928-1935	7.8	62
54	GUV-AP: multifunctional FIJI-based tool for quantitative image analysis of Giant Unilamellar Vesicles. <i>Bioinformatics</i> , <b>2019</b> , 35, 2340-2342	7.2	4
53	The NC domain of HIV-1 Gag contributes to the interaction of Gag with TSG101. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2018</b> , 1862, 1421-1431	4	13
52	Quantifying Release from Lipid Nanocarriers by Fluorescence Correlation Spectroscopy. <i>ACS Omega</i> , <b>2018</b> , 3, 14333-14340	3.9	10
51	Interaction of the epigenetic integrator UHRF1 with the MYST domain of TIP60 inside the cell. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2017</b> , 36, 188	12.8	11
50	The tumor suppressor CDX2 opposes pro-metastatic biomechanical modifications of colon cancer cells through organization of the actin cytoskeleton. <i>Cancer Letters</i> , <b>2017</b> , 386, 57-64	9.9	23
49	Fluorescence correlation spectroscopy as a sensitive and useful tool for revealing potential overlaps between the epitopes of monoclonal antibodies on viral particles. <i>MABs</i> , <b>2016</b> , 8, 1235-1244	6.6	1
48	Dye-doped silica nanoparticle probes for fluorescence lifetime imaging of reductive environments in living cells. <i>RSC Advances</i> , <b>2016</b> , 6, 104164-104172	3.7	7
47	Live cell imaging shows hepatocyte growth factor-induced Met dimerization. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2016</b> , 1863, 1552-8	4.9	13
46	Role of the nucleocapsid domain in HIV-1 Gag oligomerization and trafficking to the plasma membrane: a fluorescence lifetime imaging microscopy investigation. <i>Journal of Molecular Biology</i> , <b>2015</b> , 427, 1480-1494	6.5	35

45	Monitoring HIV-1 Protein Oligomerization by FLIM FRET Microscopy. <i>Springer Series in Chemical Physics</i> , <b>2015</b> , 277-307	0.3	5
44	Site-Selective Monitoring of the Interaction of the SRA Domain of UHRF1 with Target DNA Sequences Labeled with 2-Aminopurine. <i>Biochemistry</i> , <b>2015</b> , 54, 6012-20	3.2	10
43	Fluorogenic squaraine dimers with polarity-sensitive folding as bright far-red probes for background-free bioimaging. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 405-12	16.4	71
42	Direct binding of hepatocyte growth factor and vascular endothelial growth factor to CD44v6. <i>Bioscience Reports</i> , <b>2015</b> , 35,	4.1	13
41	Fluorescence lifetime imaging of membrane lipid order with a ratiometric fluorescent probe. <i>Biophysical Journal</i> , <b>2015</b> , 108, 2521-2531	2.9	35
40	Fluorescent amino acid undergoing excited state intramolecular proton transfer for site-specific probing and imaging of peptide interactions. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 2585-95	3.4	46
39	Investigating the cellular distribution and interactions of HIV-1 nucleocapsid protein by quantitative fluorescence microscopy. <i>PLoS ONE</i> , <b>2015</b> , 10, e0116921	3.7	16
38	Tuning excited-state proton transfer dynamics of a 3-hydroxychromone dye in supramolecular complexes via host-guest steric compatibility. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 776-84	3.6	22
37	Role of the nucleocapsid region in HIV-1 Gag assembly as investigated by quantitative fluorescence-based microscopy. <i>Virus Research</i> , <b>2014</b> , 193, 78-88	6.4	12
36	A non-covalent complex of quantum dots and chlorin e6: efficient energy transfer and remarkable stability in living cells revealed by FLIM. <i>RSC Advances</i> , <b>2014</b> , 4, 52270-52278	3.7	19
35	Collective fluorescence switching of counterion-assembled dyes in polymer nanoparticles. <i>Nature Communications</i> , <b>2014</b> , 5, 4089	17.4	129
34	Osteogenetic properties of electrospun nanofibrous PCL scaffolds equipped with chitosan-based nanoreservoirs of growth factors. <i>Macromolecular Bioscience</i> , <b>2014</b> , 14, 45-55	5.5	54
33	Site-selective probing of cTAR destabilization highlights the necessary plasticity of the HIV-1 nucleocapsid protein to chaperone the first strand transfer. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 5036-48	20.1	28
32	Structural and functional role of INI1 and LEDGF in the HIV-1 preintegration complex. <i>PLoS ONE</i> , <b>2013</b> , 8, e60734	3.7	18
31	Two photon fluorescence imaging of lipid membrane domains and potentials using advanced fluorescent probes <b>2013</b> ,		1
30	APOBEC3G impairs the multimerization of the HIV-1 Vif protein in living cells. <i>Journal of Virology</i> , <b>2013</b> , 87, 6492-506	6.6	16
29	Rational design of fluorescent membrane probes for apoptosis based on 3-hydroxyflavone. <i>Methods and Applications in Fluorescence</i> , <b>2013</b> , 1, 025002	3.1	20
28	Dipolar 3-methoxychromones as bright and highly solvatochromic fluorescent dyes. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 2292-300	3.6	68

27	Detection of apoptosis through the lipid order of the outer plasma membrane leaflet. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2012</b> , 1818, 3048-54	3.8	34
26	Sensing micelle hydration by proton-transfer dynamics of a 3-hydroxychromone dye: role of the surfactant headgroup and chain length. <i>Langmuir</i> , <b>2012</b> , 28, 7147-59	4	21
25	Protein-protein and protein-membrane associations in the lignin pathway. <i>Plant Cell</i> , <b>2012</b> , 24, 4465-82	11.6	102
24	Virus-sized DNA nanoparticles for gene delivery based on micelles of cationic calixarenes. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 5526-38	4.8	92
23	Nano-odontology: nanostructured assemblies for endodontic regeneration. <i>Journal of Biomedical Nanotechnology</i> , <b>2011</b> , 7, 471-5	4	22
22	Specific implications of the HIV-1 nucleocapsid zinc fingers in the annealing of the primer binding site complementary sequences during the obligatory plus strand transfer. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 6633-45	20.1	50
21	Unbinding Process of Amelogenin and Fibrinogen Adsorbed on Different Solid Surfaces Using AFM. <i>Journal of Biomaterials and Nanobiotechnology</i> , <b>2011</b> , 02, 244-249	1	1
20	Nanostructured assemblies for dental application. <i>ACS Nano</i> , <b>2010</b> , 4, 3277-87	16.7	41
19	Adsorption of proteins on nanoporous Ti surfaces. <i>Surface Science</i> , <b>2010</b> , 604, 1445-1451	1.8	45
18	Improving biocompatibility of implantable metals by nanoscale modification of surfaces: an overview of strategies, fabrication methods, and challenges. <i>Small</i> , <b>2009</b> , 5, 996-1006	11	163
17	Use of polymerisation to produce free-standing membranes from exponentially growing multilayer films. <i>Soft Matter</i> , <b>2008</b> , 4, 1621-1624	3.6	59
16	Tailoring the surface properties of Ti6Al4V by controlled chemical oxidation. <i>Biomaterials</i> , <b>2008</b> , 29, 1285-98	5.9	176
15	Surface Nanopatterning to Control Cell Growth. <i>Advanced Materials</i> , <b>2008</b> , 20, 1488-1492	24	138
14	Multifunctional polyelectrolyte multilayer films: combining mechanical resistance, biodegradability, and bioactivity. <i>Biomacromolecules</i> , <b>2007</b> , 8, 139-45	6.9	117
13	Elasticity, biodegradability and cell adhesive properties of chitosan/hyaluronan multilayer films. <i>Biomedical Materials (Bristol)</i> , <b>2007</b> , 2, S45-51	3.5	82
12	Imaging cell interactions with native and crosslinked polyelectrolyte multilayers. <i>Cell Biochemistry and Biophysics</i> , <b>2006</b> , 44, 273-85	3.2	50
11	Degradability of polysaccharides multilayer films in the oral environment: an in vitro and in vivo study. <i>Biomacromolecules</i> , <b>2005</b> , 6, 726-33	6.9	116
10	Polyelectrolyte multilayers functionalized by a synthetic analogue of an anti-inflammatory peptide, alpha-MSH, for coating a tracheal prosthesis. <i>Biomaterials</i> , <b>2005</b> , 26, 2621-30	15.6	106

9	Primary Cell Adhesion on RGD-Functionalized and Covalently Crosslinked Thin Polyelectrolyte Multilayer Films. <i>Advanced Functional Materials</i> , <b>2005</b> , 15, 83-94	15.6	158
8	Primary osteoblasts adhesion onto RGD-functionalized and cross-linked polyelectrolyte multilayer films. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 823, W12.1.1		
7	pH dependent growth of poly(L-lysine)/poly(L-glutamic) acid multilayer films and their cell adhesion properties. <i>Surface Science</i> , <b>2004</b> , 570, 13-29	1.8	139
6	Surface probe measurements of the elasticity of sectioned tissue, thin gels and polyelectrolyte multilayer films: Correlations between substrate stiffness and cell adhesion. <i>Surface Science</i> , <b>2004</b> , 570, 142-154	1.8	275
5	Layer by layer buildup of polysaccharide films: physical chemistry and cellular adhesion aspects. <i>Langmuir</i> , <b>2004</b> , 20, 448-58	4	450
4	Improvement of stability and cell adhesion properties of polyelectrolyte multilayer films by chemical cross-linking. <i>Biomacromolecules</i> , <b>2004</b> , 5, 284-94	6.9	375
3	Elasticity of native and cross-linked polyelectrolyte multilayer films. <i>Biomacromolecules</i> , <b>2004</b> , 5, 1908-16	6.9	214
2	3-D surface charges modulate protrusive and contractile contacts of chondrosarcoma cells. <i>Cytoskeleton</i> , <b>2003</b> , 56, 147-58		29
1	Molecular basis for the explanation of the exponential growth of polyelectrolyte multilayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 12531-5	11.5	770