

# Isabelle Paintrand

## List of Publications by Citations

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39  
papers

1,278  
citations

22  
h-index

35  
g-index

39  
ext. papers

1,389  
ext. citations

6.7  
avg, IF

3.78  
L-index

#	Paper	IF	Citations
39	Elaboration of chitosan-coated nanoparticles loaded with curcumin for mucoadhesive applications. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 370, 58-66	9.3	123
38	Mobilization of selenite by <i>Ralstonia metallidurans</i> CH34. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 769-73	4.8	97
37	Thermoresponsive vesicular morphologies obtained by self-assemblies of hybrid oligosaccharide-block-poly(N-isopropylacrylamide) copolymer systems. <i>Langmuir</i> , <b>2010</b> , 26, 2325-32	4	82
36	Micropore-induced capillarity enhances bone distribution in vivo in biphasic calcium phosphate scaffolds. <i>Acta Biomaterialia</i> , <b>2016</b> , 44, 144-54	10.8	60
35	The A and B tubules of the outer doublets of sea urchin sperm axonemes are composed of different tubulin variants. <i>Biochemistry</i> , <b>1996</b> , 35, 10862-71	3.2	59
34	Cyclodextrin/Paclitaxel Complex in Biodegradable Capsules for Breast Cancer Treatment. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3867-3873	9.6	56
33	Multilayer assembly of hyaluronic acid/poly(allylamine): control of the buildup for the production of hollow capsules. <i>Langmuir</i> , <b>2008</b> , 24, 9767-74	4	48
32	The plastid division proteins, FtsZ1 and FtsZ2, differ in their biochemical properties and sub-plastidial localization. <i>Biochemical Journal</i> , <b>2005</b> , 387, 669-76	3.8	47
31	Assessment of a polyelectrolyte multilayer film coating loaded with BMP-2 on titanium and PEEK implants in the rabbit femoral condyle. <i>Acta Biomaterialia</i> , <b>2016</b> , 36, 310-22	10.8	46
30	Interference of CuO nanoparticles with metal homeostasis in hepatocytes under sub-toxic conditions. <i>Nanoscale</i> , <b>2014</b> , 6, 1707-15	7.7	45
29	Contact-Killing Polyelectrolyte Microcapsules Based on Chitosan Derivatives. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3303-3312	15.6	44
28	Thermoresponsive self-assemblies of cyclic and branched oligosaccharide-block-poly(N-isopropylacrylamide) diblock copolymers into nanoparticles. <i>Biomacromolecules</i> , <b>2012</b> , 13, 1458-65	6.9	40
27	Photochemical crosslinking of hyaluronic acid confined in nanoemulsions: towards nanogels with a controlled structure. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3369-3379	7.3	39
26	Electrocatalytic oxidation of As(III) to As(V) using noble metal-polymer nanocomposites. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 4876-4882	6.7	38
25	Polyelectrolyte multilayer nanoshells with hydrophobic nanodomains for delivery of Paclitaxel. <i>Journal of Controlled Release</i> , <b>2012</b> , 159, 403-412	11.7	35
24	Self-assembly of amphiphilic glycoconjugates into lectin-adhesive nanoparticles. <i>Langmuir</i> , <b>2012</b> , 28, 1418-26	4	33
23	Hydrophobic shell loading of biopolyelectrolyte capsules. <i>Advanced Materials</i> , <b>2011</b> , 23, H200-4	24	33

22	Removal of arsenite by coupled electrocatalytic oxidation at polymer/ruthenium oxide nanocomposite and polymer-assisted liquid phase retention. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 129, 130-136	21.8	29
21	Electrosynthesized iridium oxide-polymer nanocomposite thin films for electrocatalytic oxidation of arsenic(III). <i>Electrochimica Acta</i> , <b>2013</b> , 110, 465-473	6.7	27
20	Nuclear DNA origin of mitochondrial complex I deficiency in fatal infantile lactic acidosis evidenced by transnuclear complementation of cultured fibroblasts. <i>Journal of Clinical Investigation</i> , <b>1999</b> , 104, 83-92	15.9	27
19	Development of a sialic acid-containing hydrogel of poly[N-(2-hydroxypropyl) methacrylamide]: characterization and implantation study. <i>Biomacromolecules</i> , <b>2008</b> , 9, 2329-37	6.9	24
18	Effects of pH on the reactivation of human spermatozoa demembrated with Triton X-100. <i>Molecular Reproduction and Development</i> , <b>1991</b> , 29, 157-62	2.6	23
17	Stiffness-dependent cellular internalization of matrix-bound BMP-2 and its relation to Smad and non-Smad signaling. <i>Acta Biomaterialia</i> , <b>2016</b> , 46, 55-67	10.8	22
16	Self-assembled carbohydrate-based micelles for lectin targeting. <i>Soft Matter</i> , <b>2011</b> , 7, 3453	3.6	22
15	Poly(ethylene glycol) hydroxystearate-based nanosized emulsions: effect of surfactant concentration on their formation and ability to solubilize quercetin. <i>Journal of Biomedical Nanotechnology</i> , <b>2012</b> , 8, 202-10	4	22
14	Developmentally regulated association of plastid division protein FtsZ1 with thylakoid membranes in <i>Arabidopsis thaliana</i> . <i>Biochemical Journal</i> , <b>2008</b> , 409, 87-94	3.8	22
13	Design and synthesis of novel hybrid metal complex-DNA conjugates: key building blocks for multimetallic linear DNA nanoarrays. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 2729-37	3.9	21
12	Bio-functionalization of silicon carbide nanostructures for SiC nanowire-based sensors realization. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 3391-7	1.3	18
11	Seeing structures and measuring properties with transmission electron microscopy images: A simple combination to study size effects in nanoparticle systems. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 2631-16	3.4	18
10	Rotundin GAP functions with Ras during spermatogenesis and retinal differentiation in <i>Drosophila melanogaster</i> . <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 6280-91	4.8	16
9	Thiol-ene clickable hyaluronans: from macro-to nanogels. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 419, 52-5	9.3	13
8	In Vitro Dermal Safety Assessment of Silver Nanowires after Acute Exposure: Tissue vs. Cell Models. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	11
7	Use of magnetic nanobeads to study intracellular antigen processing. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 225, 161-168	2.8	8
6	Stress and strain controlled rheometry on a concentrated lyotropic lamellar phase of AOT/Water/Iso-octane. <i>Rheologica Acta</i> , <b>2009</b> , 48, 423-432	2.3	7
5	Aging and yielding in a sheared AOT/iso-octane/water lyotropic lamellar phase. <i>European Physical Journal E</i> , <b>2009</b> , 29, 51-60	1.5	7

4	Nanostructured Films Made from Zwitterionic Phosphorylcholine Diblock Copolymer Systems. <i>Macromolecules</i> , <b>2011</b> , 44, 2240-2244	5.5	6
3	Rapid three-dimensional reconstruction at the light microscopic level and a technique for re-embedding the same semithin sections for electron microscopic examination. <i>Biotechnic and Histochemistry</i> , <b>1992</b> , 67, 55-7	1.8	4
2	Thermo-Responsive Copolymers Based on Poly(N-isopropylacrylamide) and Poly[2-(methacryloyloxy)ethyl phosphorylcholine]: Light Scattering and Microscopy Experiments. <i>Macromolecular Chemistry and Physics</i> , <b>2009</b> , 210, 1726-1733	2.6	3
1	Orientation of human spermatozoa for electron microscopy: a fast, simple method. <i>Microscopy Research and Technique</i> , <b>1992</b> , 21, 75-6	2.8	3