

# Johanne Seguin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/329945/publications.pdf>

Version: 2024-02-01

74  
papers

4,190  
citations

159358

30  
h-index

110170

64  
g-index

74  
all docs

74  
docs citations

74  
times ranked

4960  
citing authors

#	ARTICLE	IF	CITATIONS
1	The in vivo activation of persistent nanophosphors for optical imaging of vascularization, tumours and grafted cells. <i>Nature Materials</i> , 2014, 13, 418-426.	13.3	855
2	Nanoprobes with near-infrared persistent luminescence for in vivo imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9266-9271.	3.3	747
3	Effect of Core Diameter, Surface Coating, and PEG Chain Length on the Biodistribution of Persistent Luminescence Nanoparticles in Mice. <i>ACS Nano</i> , 2011, 5, 854-862.	7.3	250
4	Imaging and therapeutic applications of persistent luminescence nanomaterials. <i>Advanced Drug Delivery Reviews</i> , 2019, 138, 193-210.	6.6	220
5	Chemically engineered persistent luminescence nanoprobes for bioimaging. <i>Theranostics</i> , 2016, 6, 2488-2523.	4.6	165
6	Nanoemulsion formulation of fisetin improves bioavailability and antitumour activity in mice. <i>International Journal of Pharmaceutics</i> , 2012, 427, 452-459.	2.6	163
7	Liposomal encapsulation of the natural flavonoid fisetin improves bioavailability and antitumor efficacy. <i>International Journal of Pharmaceutics</i> , 2013, 444, 146-154.	2.6	106
8	Bioavailability of Polyphenol Liposomes: A Challenge Ahead. <i>Pharmaceutics</i> , 2013, 5, 457-471.	2.0	97
9	Improved antiangiogenic and antitumour activity of the combination of the natural flavonoid fisetin and cyclophosphamide in Lewis lung carcinoma-bearing mice. <i>Cancer Chemotherapy and Pharmacology</i> , 2011, 68, 445-455.	1.1	87
10	Development of a liposomal formulation of the natural flavonoid fisetin. <i>International Journal of Pharmaceutics</i> , 2012, 423, 69-76.	2.6	83
11	In Vitro Targeting of Avidin-Expressing Glioma Cells with Biotinylated Persistent Luminescence Nanoparticles. <i>Bioconjugate Chemistry</i> , 2012, 23, 472-478.	1.8	76
12	Anionic polyethyleneglycol lipids added to cationic lipoplexes increase their plasmatic circulation time. <i>Journal of Controlled Release</i> , 2003, 88, 429-443.	4.8	69
13	Colon Tumor Growth and Antivascular Treatment in Mice: Complementary Assessment with MR Elastography and Diffusion-weighted MR Imaging. <i>Radiology</i> , 2012, 264, 436-444.	3.6	55
14	Neutral Postgrafted Colloidal Particles for Gene Delivery. <i>Bioconjugate Chemistry</i> , 2005, 16, 608-614.	1.8	45
15	LaAlO <sub>3</sub> :Cr <sup>3+</sup> , Sm <sup>3+</sup> : Nano-perovskite with persistent luminescence for in vivo optical imaging. <i>Journal of Luminescence</i> , 2018, 202, 83-88.	1.5	45
16	In Vivo Electrochemical Detection of Nitric Oxide in Tumor-Bearing Mice. <i>Analytical Chemistry</i> , 2007, 79, 1030-1033.	3.2	44
17	Clickable-Zwitterionic Copolymer Capped-Quantum Dots for in Vivo Fluorescence Tumor Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17107-17116.	4.0	43
18	Anionic pH-sensitive pegylated lipoplexes to deliver DNA to tumors. <i>International Journal of Pharmaceutics</i> , 2008, 361, 194-201.	2.6	41

#	ARTICLE	IF	CITATIONS
19	Synthesis and functionalization of persistent luminescence nanoparticles with small molecules and evaluation of their targeting ability. <i>International Journal of Pharmaceutics</i> , 2012, 423, 102-107.	2.6	39
20	Theranostic MRI liposomes for magnetic targeting and ultrasound triggered release of the antivascular CA4P. <i>Journal of Controlled Release</i> , 2020, 322, 137-148.	4.8	39
21	Novel in situ gelling ophthalmic drug delivery system based on gellan gum and hydroxyethylcellulose: Innovative rheological characterization, in vitro and in vivo evidence of a sustained precorneal retention time. <i>International Journal of Pharmaceutics</i> , 2020, 574, 118734.	2.6	38
22	Optical imaging of luminescence for in vivo quantification of gene electrotransfer in mouse muscle and knee. <i>BMC Biotechnology</i> , 2006, 6, 16.	1.7	37
23	Local immunomodulation combined to radiofrequency ablation results in a complete cure of local and distant colorectal carcinoma. <i>Oncolimmunology</i> , 2019, 8, 1550342.	2.1	36
24	Functionalized single-walled carbon nanotubes containing traces of iron as new negative MRI contrast agents for in vivo imaging. <i>Contrast Media and Molecular Imaging</i> , 2012, 7, 153-159.	0.4	35
25	Cationic microbubbles and antibiotic-free miniplasmid for sustained ultrasound-mediated transgene expression in liver. <i>Journal of Controlled Release</i> , 2017, 262, 170-181.	4.8	35
26	Synthesis and biological evaluation of (3,4,5-trimethoxyphenyl)indol-3-ylmethane derivatives as potential antivascular agents. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 4410-4426.	1.4	33
27	Lipopolythioureas: A New Non-Cationic System for Gene Transfer. <i>Bioconjugate Chemistry</i> , 2007, 18, 484-493.	1.8	33
28	Synthesis and biological evaluation of new disubstituted analogues of 6-methoxy-3-(3,4,5-trimethoxybenzoyl)-1H-indole (BPROL075), as potential antivascular agents. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7494-7503.	1.4	33
29	Design, Synthesis, and Biological Evaluation of the First Podophyllotoxin Analogues as Potential Vascular-Disrupting Agents. <i>ChemMedChem</i> , 2010, 5, 2016-2025.	1.6	33
30	Cyanine derivative as a suitable marker for thermosensitive in situ gelling delivery systems: In vitro and in vivo validation of a sustained buccal drug delivery. <i>International Journal of Pharmaceutics</i> , 2017, 534, 128-135.	2.6	31
31	Vascular density and endothelial cell expression of integrin alpha v beta 3 and E-selectin in murine tumours. <i>Tumor Biology</i> , 2012, 33, 1709-1717.	0.8	29
32	Thermosensitive hydrogels for local delivery of 5-fluorouracil as neoadjuvant or adjuvant therapy in colorectal cancer. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 157, 154-164.	2.0	28
33	Lipopolythiourea Transfecting Agents: Lysine Thiourea Derivatives. <i>Bioconjugate Chemistry</i> , 2008, 19, 306-314.	1.8	26
34	Poloxamer bioadhesive hydrogel for buccal drug delivery: Cytotoxicity and trans-epithelial permeability evaluations using TR146 human buccal epithelial cell line. <i>International Journal of Pharmaceutics</i> , 2015, 495, 1028-1037.	2.6	26
35	Widespread biochemical correction of murine mucopolysaccharidosis type VII pathology by liver hydrodynamic plasmid delivery. <i>Gene Therapy</i> , 2009, 16, 746-756.	2.3	25
36	Comparative gene transfer between cationic and thiourea lipoplexes. <i>Journal of Gene Medicine</i> , 2010, 12, 45-54.	1.4	24

#	ARTICLE	IF	CITATIONS
37	Generation of High-Titer Neutralizing Antibodies against Botulinum Toxins A, B, and E by DNA Electrotransfer. <i>Infection and Immunity</i> , 2009, 77, 2221-2229.	1.0	23
38	Structure-activity relationships of indole compounds derived from combretastatin A4: Synthesis and biological screening of 5-phenylpyrrolo[3,4-a]carbazole-1,3-diones as potential antivasular agents. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 3726-3739.	2.6	23
39	Self-emulsifying drug delivery system developed by the HLB-RSM approach: Characterization by transmission electron microscopy and pharmacokinetic study. <i>International Journal of Pharmaceutics</i> , 2015, 487, 56-63.	2.6	23
40	Engineered mesenchymal stem cells as vectors in a suicide gene therapy against preclinical murine models for solid tumors. <i>Journal of Controlled Release</i> , 2016, 239, 82-91.	4.8	23
41	Conception of nanosized hybrid liposome/poloxamer particles to thicken the interior core of liposomes and delay hydrophilic drug delivery. <i>International Journal of Pharmaceutics</i> , 2019, 567, 118488.	2.6	23
42	Degradation of ZnGa <sub>2</sub> O <sub>4</sub> :Cr <sup>3+</sup> luminescent nanoparticles in lysosomal-like medium. <i>Nanoscale</i> , 2020, 12, 1967-1974.	2.8	23
43	Preparation of parenteral nanocrystal suspensions of etoposide from the excipient free dry state of the drug to enhance in vivo antitumoral properties. <i>Scientific Reports</i> , 2020, 10, 18059.	1.6	21
44	Synthesis and Structure-Activity Relationships of Constrained Heterocyclic Analogues of Combretastatin A4. <i>ChemMedChem</i> , 2011, 6, 1693-1705.	1.6	19
45	Evaluation of Nonradiative Clinical Imaging Techniques for the Longitudinal Assessment of Tumour Growth in Murine CT26 Colon Carcinoma. <i>International Journal of Molecular Imaging</i> , 2013, 2013, 1-13.	1.3	19
46	Liposome biodistribution by time resolved fluorimetry of lipophilic europium complexes. <i>European Biophysics Journal</i> , 2006, 35, 155-161.	1.2	17
47	Co-Encapsulation of Fisetin and Cisplatin into Liposomes for Glioma Therapy: From Formulation to Cell Evaluation. <i>Pharmaceutics</i> , 2021, 13, 970.	2.0	17
48	A Suicide Gene Therapy Combining the Improvement of Cyclophosphamide Tumor Cytotoxicity and the Development of an Anti-Tumor Immune Response. <i>Current Gene Therapy</i> , 2014, 14, 236-246.	0.9	16
49	In Vivo Evaluation of Magnetic Targeting in Mice Colon Tumors with Ultra-Magnetic Liposomes Monitored by MRI. <i>Molecular Imaging and Biology</i> , 2019, 21, 269-278.	1.3	14
50	In Situ Gelling Ophthalmic Drug Delivery System for the Optimization of Diagnostic and Preoperative Mydriasis: In Vitro Drug Release, Cytotoxicity and Mydriasis Pharmacodynamics. <i>Pharmaceutics</i> , 2020, 12, 360.	2.0	14
51	Preparation and Evaluation of Multiple Nanoemulsions Containing Gadolinium (III) Chelate as a Potential Magnetic Resonance Imaging (MRI) Contrast Agent. <i>Pharmaceutical Research</i> , 2015, 32, 2983-2994.	1.7	13
52	Mucoadhesive thermosensitive hydrogel for the intra-tumoral delivery of immunomodulatory agents, in vivo evidence of adhesion by means of non-invasive imaging techniques. <i>International Journal of Pharmaceutics</i> , 2019, 567, 118421.	2.6	13
53	Muscle transfection and permeabilization induced by electrotransfer or pluronic® L64 Paired study by optical imaging and MRI. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 537-543.	1.1	11
54	Development of Theranostic Cationic Liposomes Designed for Image-Guided Delivery of Nucleic Acid. <i>Pharmaceutics</i> , 2020, 12, 854.	2.0	11

#	ARTICLE	IF	CITATIONS
55	Persistent luminescence nanoparticles functionalized by polymers bearing phosphonic acid anchors: synthesis, characterization, and <i>in vivo</i> behaviour. <i>Nanoscale</i> , 2022, 14, 1386-1394.	2.8	11
56	In Vivo Electrochemical Detection of Nitroglycerin-Derived Nitric Oxide in Tumor-Bearing Mice. <i>Electroanalysis</i> , 2009, 21, 631-634.	1.5	10
57	Evaluation of Antivascular Combretastatin A4 P Efficacy Using Supersonic Shear Imaging Technique of Ectopic Colon Carcinoma. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2352-2361.	0.7	10
58	Co-encapsulation of flavonoids with anti-cancer drugs: A challenge ahead. <i>International Journal of Pharmaceutics</i> , 2022, 623, 121942.	2.6	9
59	Amphiphilic polyether branched molecules to increase the circulation time of cationic particles. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3176-3186.	1.4	8
60	Biological cell morphology studies by scanning electrochemical microscopy imagery at constant height: Contrast enhancement using biocompatible conductive substrates. <i>Electrochimica Acta</i> , 2015, 157, 95-100.	2.6	7
61	Fine tuning of mixed ionic and hydrogen bond interactions for plasmid delivery using lipoplexes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 90, 63-69.	2.0	7
62	Assessment of the targeting specificity of a fluorescent albumin conceived as a preclinical agent of the liver function. <i>Nanoscale</i> , 2018, 10, 21151-21160.	2.8	7
63	Novel Perfluorinated Triblock Amphiphilic Copolymers for Lipid-Shelled Microbubble Stabilization. <i>Langmuir</i> , 2018, 34, 9744-9753.	1.6	7
64	Use of mouse model in pharmacokinetic studies of poorly water soluble drugs: Application to fenofibrate. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 43, 149-153.	1.4	5
65	Persistent Luminescence Nanoparticles for Bioimaging. <i>Advances in Intelligent and Soft Computing</i> , 2012, , 37-53.	0.2	4
66	Silicates doped with luminescent ions: useful tools for optical imaging applications. , 2009, , .		2
67	Europium labeled lactosylated albumin as a model workflow for the development of biotherapeutics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 18, 21-30.	1.7	2
68	Coating Persistent Luminescence Nanoparticles With Hydrophilic Polymers for in vivo Imaging. <i>Frontiers in Chemistry</i> , 2020, 8, 584114.	1.8	2
69	Combination of tumor cell anti-adhesion and anti-tumor effect to prevent recurrence after cytoreductive surgery in a mice model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 169, 37-43.	2.0	2
70	Influence of Liposomes™ and Lipoplexes™ Physicochemical Characteristics on Their Uptake Rate and Mechanisms by the Placenta. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6299.	1.8	2
71	Metabolism of Flavone-8-acetic Acid in Mice. <i>Anticancer Research</i> , 2016, 36, 3889-98.	0.5	1
72	P62. Assessing morphological effects of nitric oxide donor compounds on tumoral cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2008, 19, 57.	1.2	0

#	ARTICLE	IF	CITATIONS
73	Inside Cover: Design, Synthesis, and Biological Evaluation of the First Podophyllotoxin Analogues as Potential Vascular-Disrupting Agents (ChemMedChem 12/2010). ChemMedChem, 2010, 5, 1958-1958.	1.6	0
74	Combination of thermal ablation by focused ultrasound, pFAR4-IL-12 transfection and lipidic adjuvant provide a distal immune response. Exploration of Medicine, 0, , 398-413.	1.5	0