

# Karine Andrieux

## List of Publications by Year in descending order

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59  
papers

3,457  
citations

218677

26  
h-index

138484

58  
g-index

63  
all docs

63  
docs citations

63  
times ranked

4993  
citing authors

#	ARTICLE	IF	CITATIONS
1	Colloidal carriers and blood-brain barrier (BBB) translocation: A way to deliver drugs to the brain?. <i>International Journal of Pharmaceutics</i> , 2005, 298, 274-292.	5.2	289
2	Development and Brain Delivery of Chitosan-PEG Nanoparticles Functionalized with the Monoclonal Antibody OX26. <i>Bioconjugate Chemistry</i> , 2005, 16, 1503-1511.	3.6	279
3	Nanotechnologies for Alzheimer's disease: diagnosis, therapy, and safety issues. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 521-540.	3.3	240
4	Squalenoyl adenosine nanoparticles provide neuroprotection after stroke and spinal cord injury. <i>Nature Nanotechnology</i> , 2014, 9, 1054-1062.	31.5	207
5	Translocation of Poly(ethylene glycol-co-hexadecyl)cyanoacrylate Nanoparticles into Rat Brain Endothelial Cells: A Role of Apolipoproteins in Receptor-Mediated Endocytosis. <i>Biomacromolecules</i> , 2007, 8, 793-799.	5.4	172
6	A Nanomedicine Transports a Peptide Caspase-3 Inhibitor across the Blood-Brain Barrier and Provides Neuroprotection. <i>Journal of Neuroscience</i> , 2009, 29, 13761-13769.	3.6	169
7	PEGylated Nanoparticles Bind to and Alter Amyloid-Beta Peptide Conformation: Toward Engineering of Functional Nanomedicines for Alzheimer's Disease. <i>ACS Nano</i> , 2012, 6, 5897-5908.	14.6	164
8	Low-density lipoprotein receptor-mediated endocytosis of PEGylated nanoparticles in rat brain endothelial cells. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 356-364.	5.4	157
9	Analysis of plasma protein adsorption onto PEGylated nanoparticles by complementary methods: 2-DE, CE and Protein Lab-on-chip system. <i>Electrophoresis</i> , 2007, 28, 2252-2261.	2.4	135
10	Intraocular injection of tamoxifen-loaded nanoparticles: a new treatment of experimental autoimmune uveoretinitis. <i>European Journal of Immunology</i> , 2004, 34, 3702-3712.	2.9	128
11	Versatile and Efficient Targeting Using a Single Nanoparticulate Platform: Application to Cancer and Alzheimer's Disease. <i>ACS Nano</i> , 2012, 6, 5866-5879.	14.6	127
12	Preparation and in vitro evaluation of chitosan nanoparticles containing a caspase inhibitor. <i>International Journal of Pharmaceutics</i> , 2005, 298, 378-383.	5.2	118
13	Antibody-functionalized polymer nanoparticle leading to memory recovery in Alzheimer's disease-like transgenic mouse model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 609-618.	3.3	109
14	A relevant in vitro rat model for the evaluation of blood-brain barrier translocation of nanoparticles. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 1400-1408.	5.4	97
15	Systemically Administered Brain-Targeted Nanoparticles Transport Peptides across the Blood-Brain Barrier and Provide Neuroprotection. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 469-475.	4.3	97
16	Nanotechnologies for drug delivery: Application to cancer and autoimmune diseases. <i>Progress in Solid State Chemistry</i> , 2006, 34, 231-235.	7.2	75
17	Polyalkylcyanoacrylate nanoparticles for delivery of drugs across the blood-brain barrier. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009, 1, 463-474.	6.1	71
18	Solubilisation of dipalmitoylphosphatidylcholine bilayers by sodium taurocholate: A model to study the stability of liposomes in the gastrointestinal tract and their mechanism of interaction with a model bile salt. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 346-355.	4.3	70

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19	A methodology to study intracellular distribution of nanoparticles in brain endothelial cells. <i>International Journal of Pharmaceutics</i> , 2005, 298, 310-314.	5.2	60
20	New Method Based on Capillary Electrophoresis with Laser-Induced Fluorescence Detection (CE-LIF) to Monitor Interaction between Nanoparticles and the Amyloid- $\beta$ Peptide. <i>Analytical Chemistry</i> , 2010, 82, 10083-10089.	6.5	50
21	Design of fluorescently tagged poly(alkyl cyanoacrylate) nanoparticles for human brain endothelial cell imaging. <i>Chemical Communications</i> , 2010, 46, 2602.	4.1	44
22	Synthesis of Highly Functionalized Poly(alkyl cyanoacrylate) Nanoparticles by Means of Click Chemistry. <i>Macromolecules</i> , 2008, 41, 8418-8428.	4.8	40
23	Synthesis and biological evaluation of two glycerolipidic prodrugs of didanosine for direct lymphatic delivery against HIV. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 2237-2240.	2.2	33
24	Transport Mechanisms of Squalenoyl-Adenosine Nanoparticles Across the Blood-Brain Barrier. <i>Chemistry of Materials</i> , 2015, 27, 3636-3647.	6.7	32
25	Anti-HIV efficacy and biodistribution of nucleoside reverse transcriptase inhibitors delivered as squalenoylated prodrug nanoassemblies. <i>Biomaterials</i> , 2013, 34, 4831-4838.	11.4	31
26	Characterization of Fluorescein Isothiocyanate-Dextrans Used in Vesicle Permeability Studies. <i>Analytical Chemistry</i> , 2002, 74, 5217-5226.	6.5	30
27	Nanomedicine as a potential approach to empower the new strategies for the treatment of preeclampsia. <i>Drug Discovery Today</i> , 2018, 23, 1099-1107.	6.4	27
28	Insertion and Partition of Sodium Taurocholate into Egg Phosphatidylcholine Vesicles. <i>Pharmaceutical Research</i> , 2004, 21, 1505-1516.	3.5	26
29	Liposomal formulation of a glycerolipidic prodrug for lymphatic delivery of didanosine via oral route. <i>International Journal of Pharmaceutics</i> , 2007, 344, 62-70.	5.2	26
30	Selegiline-functionalized, PEGylated poly(alkyl cyanoacrylate) nanoparticles: Investigation of interaction with amyloid- $\beta$ peptide and surface reorganization. <i>International Journal of Pharmaceutics</i> , 2011, 416, 453-460.	5.2	25
31	Quantum dot-loaded PEGylated poly(alkyl cyanoacrylate) nanoparticles for in vitro and in vivo imaging. <i>Soft Matter</i> , 2011, 7, 6187.	2.7	23
32	Assessment of dually labelled PEGylated liposomes transplacental passage and placental penetration using a combination of two ex-vivo human models: the dually perfused placenta and the suspended villous explants. <i>International Journal of Pharmaceutics</i> , 2017, 532, 729-737.	5.2	23
33	Pharmacokinetics, biodistribution and metabolism of squalenoyl adenosine nanoparticles in mice using dual radio-labeling and radio-HPLC analysis. <i>Journal of Controlled Release</i> , 2015, 212, 50-58.	9.9	22
34	Liposomes as Gene Delivery Vectors for Human Placental Cells. <i>Molecules</i> , 2018, 23, 1085.	3.8	20
35	Colloidal properties of biodegradable nanoparticles influence interaction with amyloid- $\beta$ peptide. <i>Journal of Biotechnology</i> , 2011, 156, 338-340.	3.8	19
36	Application of Nanomedicine to the CNS Diseases. <i>International Review of Neurobiology</i> , 2016, 130, 73-113.	2.0	17

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37	Metabolism evaluation of biomimetic prodrugs by in vitro models and mass spectrometry. <i>International Journal of Pharmaceutics</i> , 2009, 379, 235-243.	5.2	16
38	A new nanomedicine based on didanosine glycerolipidic prodrug enhances the long term accumulation of drug in a HIV sanctuary. <i>International Journal of Pharmaceutics</i> , 2011, 414, 285-297.	5.2	16
39	Strategies to Increase the Oral Bioavailability of Nucleoside Analogs. <i>Current Medicinal Chemistry</i> , 2009, 16, 1391-1399.	2.4	14
40	Comparison of the In Vitro and Ex Vivo Permeation of Existing Topical Formulations Used in the Treatment of Facial Angiofibroma and Characterization of the Variations Observed. <i>Pharmaceutics</i> , 2020, 12, 1060.	4.5	13
41	Methodology for vesicle permeability study by high-performance gel exclusion chromatography. <i>Biomedical Applications</i> , 1998, 706, 141-147.	1.7	12
42	Nanoparticles against Alzheimer's disease: PEG-PAACA nanoparticles are able to link the $\alpha^2$ -peptide and influence its aggregation kinetic. <i>Journal of Controlled Release</i> , 2010, 148, e112-e113.	9.9	12
43	Nanomedicines and stroke: Toward translational research. <i>Journal of Drug Delivery Science and Technology</i> , 2015, 30, 278-299.	3.0	12
44	Effect of nanoparticles binding $\gamma$ -amyloid peptide on nitric oxide production by cultured endothelial cells and macrophages. <i>International Journal of Nanomedicine</i> , 2013, 8, 1335.	6.7	11
45	Long-term stability of 0.1% rapamycin hydrophilic gel in the treatment of facial angiofibromas. <i>European Journal of Hospital Pharmacy</i> , 2020, 27, e48-e52.	1.1	11
46	Colloidal Carriers: A Promising Way to Treat Central Nervous System Diseases. <i>Journal of Nanoneuroscience</i> , 2009, 1, 17-34.	0.5	9
47	Mixed Polymeric Micelles for Rapamycin Skin Delivery. <i>Pharmaceutics</i> , 2022, 14, 569.	4.5	9
48	Analysis of Serum Proteins by Micellar Electrokinetic Capillary Chromatography. Application to a Drug Carrier Evaluation. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1996, 19, 3333-3353.	1.0	8
49	Qualitative and quantitative analysis of the uptake of lipoplexes by villous placenta explants. <i>International Journal of Pharmaceutics</i> , 2019, 567, 118479.	5.2	8
50	Application of thermal analysis to the study of lipidic prodrug incorporation into nanocarriers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 98, 65-71.	3.6	7
51	Intravenous infusion for the controlled exposure to the dual ABCB1 and ABCG2 inhibitor elacridar in nonhuman primates. <i>Drug Delivery and Translational Research</i> , 2018, 8, 536-542.	5.8	7
52	Cationic lipid nanoparticle production by microfluidization for siRNA delivery. <i>International Journal of Pharmaceutics</i> , 2021, 605, 120772.	5.2	7
53	Placental Models for Evaluation of Nanocarriers as Drug Delivery Systems for Pregnancy Associated Disorders. <i>Biomedicines</i> , 2022, 10, 936.	3.2	7
54	Dermatillomania: Strategies for Developing Protective Biomaterials/Cloth. <i>Pharmaceutics</i> , 2021, 13, 341.	4.5	5

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55	Formulation of Didanosine Prodrugs into PEGylated Poly(alkyl cyanoacrylate) Nanoparticles and Uptake by Brain Endothelial Cells. <i>Journal of Nanoneuroscience</i> , 2009, 1, 174-183.	0.5	3
56	How Could Nanomedicine Improve the Safety of Contrast Agents for MRI during Pregnancy?. <i>Sci</i> , 2022, 4, 11.	3.0	3
57	Formulation of glycerolipidic prodrugs into PEGylated liposomes for brain delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2009, 19, 61-66.	3.0	2
58	Nanoparticles against Alzheimer's disease: PEG-PACA Nanoparticles are able to link the A $\beta$ -peptide and influence its aggregation kinetic. <i>Journal of Biotechnology</i> , 2010, 150, 27-27.	3.8	2
59	Influence of Liposomes <sup>™</sup> and Lipoplexes <sup>™</sup> Physicochemical Characteristics on Their Uptake Rate and Mechanisms by the Placenta. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6299.	4.1	2