

# Jean-Serge Remy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4279760/publications.pdf>

Version: 2024-02-01

65  
papers

6,223  
citations

117453

34  
h-index

110170

64  
g-index

65  
all docs

65  
docs citations

65  
times ranked

5664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyethylenimine but Not Cationic Lipids Promotes Transgene Delivery to the Nucleus in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 7507-7511.	1.6	653
2	Chitosan-based vector/DNA complexes for gene delivery: biophysical characteristics and transfection ability. <i>Pharmaceutical Research</i> , 1998, 15, 1332-1339.	1.7	472
3	Systemic linear polyethylenimine (L-PEI)-mediated gene delivery in the mouse. <i>Journal of Gene Medicine</i> , 2000, 2, 128-134.	1.4	322
4	The Magnetofection Method: Using Magnetic Force to Enhance Gene Delivery. <i>Biological Chemistry</i> , 2003, 384, 737-47.	1.2	318
5	Size, diffusibility and transfection performance of linear PEI/DNA complexes in the mouse central nervous system. <i>Gene Therapy</i> , 1998, 5, 712-717.	2.3	308
6	A model for non-viral gene delivery: through syndecan adhesion molecules and powered by actin. <i>Journal of Gene Medicine</i> , 2004, 6, 769-776.	1.4	300
7	Transfection and physical properties of various saccharide, poly(ethylene glycol), and antibody-derivatized polyethylenimines (PEI). <i>Journal of Gene Medicine</i> , 1999, 1, 210-222.	1.4	284
8	Targeted gene transfer into hepatoma cells with lipopolyamine-condensed DNA particles presenting galactose ligands: a stage toward artificial viruses.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 1744-1748.	3.3	264
9	Synthesis of giant globular multivalent glycofullerenes as potent inhibitors in a model of Ebola virus infection. <i>Nature Chemistry</i> , 2016, 8, 50-57.	6.6	251
10	Gene transfer with synthetic virus-like particles via the integrin-mediated endocytosis pathway. <i>Gene Therapy</i> , 1999, 6, 138-145.	2.3	248
11	Gene Transfer with a Series of Lipophilic DNA-Binding Molecules. <i>Bioconjugate Chemistry</i> , 1994, 5, 647-654.	1.8	221
12	Gene transfer with lipospermines and polyethylenimines. <i>Advanced Drug Delivery Reviews</i> , 1998, 30, 85-95.	6.6	216
13	Monomolecular collapse of plasmid DNA into stable virus-like particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 1427-1431.	3.3	213
14	Dimerizable Cationic Detergents with a Low cmc Condense Plasmid DNA into Nanometric Particles and Transfect Cells in Culture. <i>Journal of the American Chemical Society</i> , 2001, 123, 9227-9234.	6.6	178
15	Size Reduction of Galactosylated PEI/DNA Complexes Improves Lectin-Mediated Gene Transfer into Hepatocytes. <i>Bioconjugate Chemistry</i> , 1999, 10, 558-561.	1.8	149
16	Proton Sponge Trick for pH-Sensitive Disassembly of Polyethylenimine-Based siRNA Delivery Systems. <i>Bioconjugate Chemistry</i> , 2010, 21, 994-1002.	1.8	143
17	Protective copolymers for nonviral gene vectors: synthesis, vector characterization and application in gene delivery. <i>Gene Therapy</i> , 2000, 7, 1183-1192.	2.3	142
18	The p21 cip1/waf1 cyclin-dependent kinase inhibitor enhances the cytotoxic effect of cisplatin in human ovarian carcinoma cells. <i>Cancer Letters</i> , 2000, 161, 17-26.	3.2	106

#	ARTICLE	IF	CITATIONS
19	Intracellular Delivery of Nanometric DNA Particles via the Folate Receptor. <i>Bioconjugate Chemistry</i> , 2002, 13, 831-839.	1.8	102
20	Polyethylenimine-mediated gene transfer into pancreatic tumor dissemination in the murine peritoneal cavity. <i>Gene Therapy</i> , 2001, 8, 508-514.	2.3	89
21	Gene delivery with polycationic fullerene hexakis-adducts. <i>Chemical Communications</i> , 2011, 47, 4640.	2.2	74
22	Gene Transfer Optimization with Lipospermine-Coated DNA. <i>DNA and Cell Biology</i> , 1993, 12, 553-560.	0.9	72
23	Polycationic Pillar[5]arene Derivatives: Interaction with DNA and Biological Applications. <i>Chemistry - A European Journal</i> , 2013, 19, 17552-17558.	1.7	72
24	Selective Irreversible Chemical Tagging of Cysteine with 3-Arylpropionitriles. <i>Bioconjugate Chemistry</i> , 2014, 25, 202-206.	1.8	71
25	Polyethylenimine but Not Cationic Lipid Improves Antisense Activity of 3'ε-Capped Phosphodiester Oligonucleotides. <i>Oligonucleotides</i> , 1999, 9, 515-525.	4.4	64
26	Effective polyethylenimine-mediated gene transfer into human endothelial cells. <i>Journal of Gene Medicine</i> , 2004, 6, 176-184.	1.4	64
27	Genuine DNA/polyethylenimine (PEI) Complexes Improve Transfection Properties and Cell Survival. <i>Journal of Drug Targeting</i> , 2004, 12, 223-236.	2.1	64
28	Oligonucleotide-oligospermine Conjugates (Zip Nucleic Acids): A Convenient Means of Finely Tuning Hybridization Temperatures. <i>Journal of the American Chemical Society</i> , 2008, 130, 13500-13505.	6.6	60
29	Template Oligomerization of DNA-Bound Cations Produces Calibrated Nanometric Particles. <i>Journal of the American Chemical Society</i> , 1998, 120, 8519-8520.	6.6	53
30	High-Efficiency Transfection of Primary Human Keratinocytes with Positively Charged Lipopolyamine: DNA Complexes. <i>Journal of Investigative Dermatology</i> , 1994, 102, 768-772.	0.3	49
31	Efficient Gene Delivery with Neutral Complexes of Lipospermine and Thiol-Reactive Phospholipids. <i>Biochemical and Biophysical Research Communications</i> , 1995, 209, 444-450.	1.0	47
32	Inhibition of hepadnaviral replication by polyethylenimine-based intravenous delivery of antisense phosphodiester oligodeoxynucleotides to the liver. <i>Gene Therapy</i> , 2001, 8, 874-881.	2.3	47
33	Zip Nucleic Acids: new high affinity oligonucleotides as potent primers for PCR and reverse transcription. <i>Nucleic Acids Research</i> , 2009, 37, e130-e130.	6.5	42
34	Controlled Template-Assisted Assembly of Plasmid DNA into Nanometric Particles with High DNA Concentration. <i>Bioconjugate Chemistry</i> , 2000, 11, 104-112.	1.8	37
35	Cationic siRNAs Provide Carrier-Free Gene Silencing in Animal Cells. <i>Journal of the American Chemical Society</i> , 2009, 131, 17730-17731.	6.6	32
36	pH-Responsive Nanometric Polydiacetylenic Micelles Allow for Efficient Intracellular siRNA Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 30665-30670.	4.0	32

#	ARTICLE	IF	CITATIONS
37	Cationic Polydiacetylene Micelles for Gene Delivery. <i>Bioconjugate Chemistry</i> , 2011, 22, 1916-1923.	1.8	30
38	Development of plasmid and oligonucleotide nanometric particles. <i>Gene Therapy</i> , 2002, 9, 743-748.	2.3	29
39	Adenovirus-Derived Vectors for Prostate Cancer Gene Therapy. <i>Human Gene Therapy</i> , 2010, 21, 795-805.	1.4	29
40	Tailoring drug release profile of low-molecular-weight hydrogels by supramolecular co-assembly and thiol-ene orthogonal coupling. <i>Journal of Materials Chemistry</i> , 2011, 21, 641-644.	6.7	28
41	Clinical Adenoviral Gene Therapy for Prostate Cancer. <i>Human Gene Therapy</i> , 2010, 21, 807-813.	1.4	25
42	From solution to in-cell study of the chemical reactivity of acid sensitive functional groups: a rational approach towards improved cleavable linkers for biospecific endosomal release. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4794-4803.	1.5	23
43	Photopolymerized micelles of diacetylene amphiphile: physical characterization and cell delivery properties. <i>Chemical Communications</i> , 2015, 51, 11595-11598.	2.2	21
44	Polydiacetylenic nanofibers as new siRNA vehicles for <i>in vitro</i> and <i>in vivo</i> delivery. <i>Nanoscale</i> , 2018, 10, 1587-1590.	2.8	20
45	Spiro Diorthoester (SpiDo), a Human Plasma Stable Acid-Sensitive Cleavable Linker for Lysosomal Release. <i>Bioconjugate Chemistry</i> , 2015, 26, 1461-1465.	1.8	18
46	Convenient Polymer-Supported Synthetic Route to Heterobifunctional Polyethylene Glycols. <i>Bioconjugate Chemistry</i> , 1998, 9, 842-846.	1.8	17
47	Dynamic Micelles of Mannoside Glycolipids are more Efficient than Polymers for Inhibiting HIV-1 <i>trans</i> -Infection. <i>Bioconjugate Chemistry</i> , 2013, 24, 1813-1823.	1.8	17
48	Preparation of poly(ethylene imine) derivatives with precisely controlled molecular weight. <i>European Polymer Journal</i> , 2016, 84, 338-344.	2.6	13
49	Lipospermine-mediated gene transfer technique into murine cultured cortical cells. <i>Journal of Neuroscience Methods</i> , 1997, 71, 183-186.	1.3	10
50	Mannoside Glycolipid Conjugates Display Anti-inflammatory Activity by Inhibition of Toll-like Receptor-4 Mediated Cell Activation. <i>ACS Chemical Biology</i> , 2015, 10, 2697-2705.	1.6	10
51	Co-delivery of anti-PLK-1 siRNA and camptothecin by nanometric polydiacetylenic micelles results in a synergistic cell killing. <i>RSC Advances</i> , 2018, 8, 20758-20763.	1.7	9
52	Design and evaluation of ionizable peptide amphiphiles for siRNA delivery. <i>International Journal of Pharmaceutics</i> , 2019, 566, 141-148.	2.6	9
53	Gene Transfer with Multivalent Synthetic Vectors. <i>Journal of Liposome Research</i> , 1996, 6, 535-544.	1.5	8
54	Structure Tuning of Cationic Oligospermine-siRNA Conjugates for Carrier-Free Gene Silencing. <i>Molecular Pharmaceutics</i> , 2016, 13, 2718-2728.	2.3	8

#	ARTICLE	IF	CITATIONS
55	Cell-penetrating cationic siRNA and lipophilic derivatives efficient at nanomolar concentrations in the presence of serum and albumin. <i>Journal of Controlled Release</i> , 2013, 170, 92-98.	4.8	7
56	Fine-Tuning the Morphology of Self-Assembled Nanostructures of Propargyl Ammonium-Based Amphiphiles. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12495-12500.	1.2	6
57	Bio-specific and bio-orthogonal chemistries to switch-off the quencher of a FRET-based fluorescent probe: application to living-cell biothiol imaging. <i>Chemical Communications</i> , 2014, 50, 10049-10051.	2.2	6
58	Les vecteurs non-viraux de thérapie génique. <i>Medecine/Sciences</i> , 1996, 12, 1334.	0.0	5
59	Cationic Oligospermine-Oligonucleotide Conjugates Provide Carrier-free Splice Switching in Monolayer Cells and Spheroids. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 13, 483-492.	2.3	4
60	Targeted transfection of human hepatoma cells with a combination of lipospermine and neo-galactolipids. <i>Journal of Liposome Research</i> , 1995, 5, 735-745.	1.5	3
61	Dimerizable Detergents as Gene Transfer Vectors. <i>Journal of Liposome Research</i> , 2000, 10, 321-327.	1.5	3
62	MMT, Npeoc-protected spermine, a valuable synthon for the solid phase synthesis of oligonucleotide oligospermine conjugates via guanidine linkers. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1972-1977.	1.4	3
63	Cationic Photopolymerized Polydiacetylenic (PDA) Micelles for siRNA Delivery. <i>Methods in Molecular Biology</i> , 2019, 1943, 101-122.	0.4	2
64	Synthesis and Evaluation as a Gene Transfer Agent of a 1,2-Dimyristoyl-sn-glycero-3-pentalysine Salt. <i>Chemistry Letters</i> , 1995, 24, 473-474.	0.7	1
65	Molecular Vectors for Gene Delivery to Cancer Cells. , 2004, , 129-140.		0