Jean-Serge Remy

List of Publications by Year
in descending order

65 papers	6,223 citations	117571 34 h-index	110317 64 g-index
65 all docs	65 docs citations	65 times ranked	5664 citing authors

#	Article	IF	Citations
1	Design and evaluation of ionizable peptide amphiphiles for siRNA delivery. International Journal of Pharmaceutics, 2019, 566, 141-148.	2.6	9
2	Cationic Photopolymerized Polydiacetylenic (PDA) Micelles for siRNA Delivery. Methods in Molecular Biology, 2019, 1943, 101-122.	0.4	2
3	Polydiacetylenic nanofibers as new siRNA vehicles for in vitro and in vivo delivery. Nanoscale, 2018, 10, 1587-1590.	2.8	20
4	Co-delivery of anti-PLK-1 siRNA and camptothecin by nanometric polydiacetylenic micelles results in a synergistic cell killing. RSC Advances, 2018, 8, 20758-20763.	1.7	9
5	Cationic Oligospermine-Oligonucleotide Conjugates Provide Carrier-free Splice Switching in Monolayer Cells and Spheroids. Molecular Therapy - Nucleic Acids, 2018, 13, 483-492.	2.3	4
6	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. Organic and Biomolecular Chemistry, 2016, 14, 4794-4803.	1.5	23
7	Preparation of poly(ethylene imine) derivatives with precisely controlled molecular weight. European Polymer Journal, 2016, 84, 338-344.	2.6	13
8	Structure Tuning of Cationic Oligospermineâ€“siRNA Conjugates for Carrier-Free Gene Silencing. Molecular Pharmaceutics, 2016, 13, 2718-2728.	2.3	8
9	pH-Responsive Nanometric Polydiacetylenic Micelles Allow for Efficient Intracellular siRNA Delivery. ACS Applied Materials & Interfaces, 2016, 8, 30665-30670.	4.0	32
10	Synthesis of giant globular multivalent glycofullerenes as potent inhibitors in a model of Ebola virus infection. Nature Chemistry, 2016, 8, 50-57.	6.6	251
11	Photopolymerized micelles of diacetylene amphiphile: physical characterization and cell delivery properties. Chemical Communications, 2015, 51, 11595-11598.	2.2	21
12	Spiro Diorthoester (SpiDo), a Human Plasma Stable Acid-Sensitive Cleavable Linker for Lysosomal Release. Bioconjugate Chemistry, 2015, 26, 1461-1465.	1.8	18
13	Mannoside Glycolipid Conjugates Display Anti-inflammatory Activity by Inhibition of Toll-like Receptor-4 Mediated Cell Activation. ACS Chemical Biology, 2015, 10, 2697-2705.	1.6	10
14	Selective Irreversible Chemical Tagging of Cysteine with 3-Arylpropiolonitriles. Bioconjugate Chemistry, 2014, 25, 202-206.	1.8	71
15	Bio-specific and bio-orthogonal chemistries to switch-off the quencher of a FRET-based fluorescent probe: application to living-cell biothiol imaging. Chemical Communications, 2014, 50, 10049-10051.	2.2	6
16	Cell-penetrating cationic siRNA and lipophilic derivatives efficient at nanomolar concentrations in the presence of serum and albumin. Journal of Controlled Release, 2013, 170, 92-98.	4.8	7
17	Dynamic Micelles of Mannoside Glycolipids are more Efficient than Polymers for Inhibiting HIV-1 trans-Infection. Bioconjugate Chemistry, 2013, 24, 1813-1823.	1.8	17
18	Polycationic Pillar[5]arene Derivatives: Interaction with DNA and Biological Applications. Chemistry - A European Journal, 2013, 19, 17552-17558.	1.7	72

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19	Cationic Polydiacetylene Micelles for Gene Delivery. Bioconjugate Chemistry, 2011, 22, 1916-1923.	1.8	30
20	Tailoring drug release profile of low-molecular-weight hydrogels by supramolecular co-assembly and thiolâ€“ene orthogonal coupling. Journal of Materials Chemistry, 2011, 21, 641-644.	6.7	28
21	Gene delivery with polycationic fullerene hexakis-adducts. Chemical Communications, 2011, 47, 4640.	2.2	74
22	MMT, Npeoc-protected spermine, a valuable synthon for the solid phase synthesis of oligonucleotide oligospermine conjugates via guanidine linkers. Bioorganic and Medicinal Chemistry, 2011, 19, 1972-1977.	1.4	3
23	Clinical Adenoviral Gene Therapy for Prostate Cancer. Human Gene Therapy, 2010, 21, 807-813.	1.4	25
24	Fine-Tuning the Morphology of Self-Assembled Nanostructures of Propargyl Ammonium-Based Amphiphiles. Journal of Physical Chemistry B, 2010, 114, 12495-12500.	1.2	6
25	Adenovirus-Derived Vectors for Prostate Cancer Gene Therapy. Human Gene Therapy, 2010, 21, 795-805.	1.4	29
26	Proton Sponge Trick for pH-Sensitive Disassembly of Polyethylenimine-Based siRNA Delivery Systems. Bioconjugate Chemistry, 2010, 21, 994-1002.	1.8	143
27	Zip Nucleic Acids: new high affinity oligonucleotides as potent primers for PCR and reverse transcription. Nucleic Acids Research, 2009, 37, e130-e130.	6.5	42
28	Cationic siRNAs Provide Carrier-Free Gene Silencing in Animal Cells. Journal of the American Chemical Society, 2009, 131, 17730-17731.	6.6	32
29	Oligonucleotideâ'Oligospermine Conjugates (Zip Nucleic Acids): A Convenient Means of Finely Tuning Hybridization Temperatures. Journal of the American Chemical Society, 2008, 130, 13500-13505.	6.6	60
30	Effective polyethylenimine-mediated gene transfer into human endothelial cells. Journal of Gene Medicine, 2004, 6, 176-184.	1.4	64
31	A model for non-viral gene delivery: through syndecan adhesion molecules and powered by actin. Journal of Gene Medicine, 2004, 6, 769-776.	1.4	300
32	Genuine DNA/polyethylenimine (PEI) Complexes Improve Transfection Properties and Cell Survival. Journal of Drug Targeting, 2004, 12, 223-236.	2.1	64
33	Molecular Vectors for Gene Delivery to Cancer Cells. , 2004, , 129-140.		0
34	The Magnetofection Method: Using Magnetic Force to Enhance Gene Delivery. Biological Chemistry, 2003, 384, 737-47.	1.2	318
35	Development of plasmid and oligonucleotide nanometric particles. Gene Therapy, 2002, 9, 743-748.	2.3	29
36	Intracellular Delivery of Nanometric DNA Particles via the Folate Receptor. Bioconjugate Chemistry, 2002, 13, 831-839.	1.8	102

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37	Dimerizable Cationic Detergents with a Low cmc Condense Plasmid DNA into Nanometric Particles and Transfect Cells in Culture. Journal of the American Chemical Society, 2001, 123, 9227-9234.	6.6	178
38	Polyethylenimine-mediated gene transfer into pancreatic tumor dissemination in the murine peritoneal cavity. Gene Therapy, 2001, 8, 508-514.	2.3	89
39	Inhibition of hepadnaviral replication by polyethylenimine-based intravenous delivery of antisense phosphodiester oligodeoxynucleotides to the liver. Gene Therapy, 2001, 8, 874-881.	2.3	47
40	Systemic linear polyethylenimine (L-PEI)-mediated gene delivery in the mouse. Journal of Gene Medicine, 2000, 2, 128-134.	1.4	322
41	Protective copolymers for nonviral gene vectors: synthesis, vector characterization and application in gene delivery. Gene Therapy, 2000, 7, 1183-1192.	2.3	142
42	The p21 cip1/waf1 cyclin-dependent kinase inhibitor enhances the cytotoxic effect of cisplatin in human ovarian carcinoma cells. Cancer Letters, 2000, 161, 17-26.	3.2	106
43	Dimerizable Detergents as Gene Transfer Vectors. Journal of Liposome Research, 2000, 10, 321-327.	1.5	3
44	Controlled Template-Assisted Assembly of Plasmid DNA into Nanometric Particles with High DNA Concentration. Bioconjugate Chemistry, 2000, 11, 104-112.	1.8	37
45	Gene transfer with synthetic virus-like particles via the integrin-mediated endocytosis pathway. Gene Therapy, 1999, 6, 138-145.	2.3	248
46	Transfection and physical properties of various saccharide, poly(ethylene glycol), and antibody-derivatized polyethylenimines (PEI). Journal of Gene Medicine, 1999, 1, 210-222.	1.4	284
47	Polyethylenimine but Not Cationic Lipid Improves Antisense Activity of 3â€²-Capped Phosphodiester Oligonucleotides. Oligonucleotides, 1999, 9, 515-525.	4.4	64
48	Size Reduction of Galactosylated PEI/DNA Complexes Improves Lectin-Mediated Gene Transfer into Hepatocytes. Bioconjugate Chemistry, 1999, 10, 558-561.	1.8	149
49	Chitosan-based vector/DNA complexes for gene delivery: biophysical characteristics and transfection ability. Pharmaceutical Research, 1998, 15, 1332-1339.	1.7	472
50	Size, diffusibility and transfection performance of linear PEI/DNA complexes in the mouse central nervous system. Gene Therapy, 1998, 5, 712-717.	2.3	308
51	Gene transfer with lipospermines and polyethylenimines. Advanced Drug Delivery Reviews, 1998, 30, 85-95.	6.6	216
52	Polyethylenimine but Not Cationic Lipids Promotes Transgene Delivery to the Nucleus in Mammalian Cells. Journal of Biological Chemistry, 1998, 273, 7507-7511.	1.6	653
53	Template Oligomerization of DNA-Bound Cations Produces Calibrated Nanometric Particles. Journal of the American Chemical Society, 1998, 120, 8519-8520.	6.6	53
54	Convenient Polymer-Supported Synthetic Route to Heterobifunctional Polyethylene Glycols. Bioconjugate Chemistry, 1998, 9, 842-846.	1.8	17

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55	Monomolecular collapse of plasmid DNA into stable virus-like particles. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 1427-1431.	3.3	213
56	Lipospermine-mediated gene transfer technique into murine cultured cortical cells. Journal of Neuroscience Methods, 1997, 71, 183-186.	1.3	10
57	Gene Transfer with Multivalent Synthetic Vectors. Journal of Liposome Research, 1996, 6, 535-544.	1.5	8
58	Les vecteurs non-viraux de thÃ©rapie gÃ©nique.. Medecine/Sciences, 1996, 12, 1334.	0.0	5
59	Synthesis and Evaluation as a Gene Transfer Agent of a 1,2-Dimyristoyl-sn-glycero-3-pentalysine Salt. Chemistry Letters, 1995, 24, 473-474.	0.7	1
60	Targeted gene transfer into hepatoma cells with lipopolyamine-condensed DNA particles presenting galactose ligands: a stage toward artificial viruses.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 1744-1748.	3.3	264
61	Targeted transfection of human hepatoma cells with a combination of lipospermine and neo-galactolipids. Journal of Liposome Research, 1995, 5, 735-745.	1.5	3
62	Efficient Gene Delivery with Neutral Complexes of Lipospermine and Thiol-Reactive Phospholipids. Biochemical and Biophysical Research Communications, 1995, 209, 444-450.	1.0	47
63	High-Efficiency Transfection of Primary Human Keratinocytes with Positively Charged Lipopolyamine: DNA Complexes. Journal of Investigative Dermatology, 1994, 102, 768-772.	0.3	49
64	Gene Transfer with a Series of Lipophilic DNA-Binding Molecules. Bioconjugate Chemistry, 1994, 5, 647-654.	1.8	221
65	Gene Transfer Optimization with Lipospermine-Coated DNA. DNA and Cell Biology, 1993, 12, 553-560.	0.9	72