Daniel Scherman

List of Publications by Year
in descending order

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395 papers	26,242 citations	9264 74 h-index	8167 148 g-index
408 all docs	408 docs citations	408 times ranked	22467 citing authors

#	Article	IF	Citations
1	A versatile vector for gene and oligonucleotide transfer into cells in culture and in vivo: polyethylenimine.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 7297-7301.	7.1	5,897
2	High-efficiency gene transfer into skeletal muscle mediated by electric pulses. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 4262-4267.	7.1	865
3	The in vivo activation of persistent nanophosphors for optical imaging of vascularization, tumours and grafted cells. Nature Materials, 2014, 13, 418-426.	27.5	855
4	Nanoprobes with near-infrared persistent luminescence for in vivo imaging. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9266-9271.	7.1	747
5	Protective Role of Interleukin-10 in Atherosclerosis. Circulation Research, 1999, 85, e17-24.	4.5	631
6	Controlling Electron Trap Depth To Enhance Optical Properties of Persistent Luminescence Nanoparticles for In Vivo Imaging. Journal of the American Chemical Society, 2011, 133, 11810-11815.	13.7	348
7	Storage of Visible Light for Long-Lasting Phosphorescence in Chromium-Doped Zinc Gallate. Chemistry of Materials, 2014, 26, 1365-1373.	6.7	324
8	Mechanisms of in Vivo DNA Electrotransfer: Respective Contributions of Cell Electropermeabilization and DNA Electrophoresis. Molecular Therapy, 2002, 5, 133-140.	8.2	280
9	Synthesis, Activity, and Structureâ^'Activity Relationship Studies of Novel Cationic Lipids for DNA Transfer. Journal of Medicinal Chemistry, 1998, 41, 224-235.	6.4	254
10	Effect of Core Diameter, Surface Coating, and PEG Chain Length on the Biodistribution of Persistent Luminescence Nanoparticles in Mice. ACS Nano, 2011, 5, 854-862.	14.6	250
11	Striatal dopamine deficiency in parkinson's disease: Role of aging. Annals of Neurology, 1989, 26, 551-557.	5.3	246
12	Growth Factor Delivery Approaches in Hydrogels. Biomacromolecules, 2009, 10, 9-18.	5.4	235
13	Plasmid DNA size does not affect the physicochemical properties of lipoplexes but modulates gene transfer efficiency. Nucleic Acids Research, 1999, 27, 3792-3798.	14.5	226
14	Imaging and therapeutic applications of persistent luminescence nanomaterials. Advanced Drug Delivery Reviews, 2019, 138, 193-210.	13.7	220
15	A new DNA vehicle for nonviral gene delivery: supercoiled minicircle. Gene Therapy, 1997, 4, 1341-1349.	4.5	214
16	Association of the GTP-binding protein Rab3A with bovine adrenal chromaffin granules.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 5692-5696.	7.1	194
17	Antiangiogenic Effect of Interleukin-10 in Ischemia-Induced Angiogenesis in Mice Hindlimb. Circulation Research, 2000, 87, 448-452.	4.5	194
18	Importance of association between permeabilization and electrophoretic forces for intramuscular DNA electrotransfer. Biochimica Et Biophysica Acta - General Subjects, 2000, 1474, 353-359.	2.4	188

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19	Cationic lipid-mediated gene transfer: effect of serum on cellular uptake and intracellular fate of lipopolyamine/DNA complexes. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1368, 276-288.	2.6	178
20	Efficient new cationic liposome formulation for systemic delivery of small interfering RNA silencing tumor necrosis factor Î± in experimental arthritis. Arthritis and Rheumatism, 2006, 54, 1867-1877.	6.7	175
21	Chemically engineered persistent luminescence nanoprobes for bioimaging. Theranostics, 2016, 6, 2488-2523.	10.0	165
22	Nanoemulsion formulation of fisetin improves bioavailability and antitumour activity in mice. International Journal of Pharmaceutics, 2012, 427, 452-459.	5.2	163
23	Radioligands of the vesicular monoamine transporter and their use as markers of monoamine storage vesicles. Biochemical Pharmacology, 1989, 38, 2395-2404.	4.4	160
24	Long-term, high level in vivo gene expression after electric pulse-mediated gene transfer into skeletal muscle. Comptes Rendus De L'AcadÂ©mie Des Sciences SÃ©rie 3, Sciences De La Vie, 1998, 321, 893-899.	0.8	157
25	NLS bioconjugates for targeting therapeutic genes to the nucleus. Advanced Drug Delivery Reviews, 2003, 55, 295-306.	13.7	156
26	Noncovalent Functionalization of Carbon Nanotubes with Amphiphilic Gd³⁺ Chelates:â€‰ Toward Powerful T₁ and T₂ MRI Contrast Agents. Nano Letters, 2008, 8, 232-236.	9.1	156
27	Virus-sized self-assembling lamellar complexes between plasmid DNA and cationic micelles promote gene transfer. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 14412-14417.	7.1	145
28	Minicircle: an improved DNA molecule for in vitro and in vivo gene transfer. Gene Therapy, 1999, 6, 209-218.	4.5	142
29	pH-sensitive PEG lipids containing orthoester linkers: new potential tools for nonviral gene delivery. Journal of Controlled Release, 2004, 99, 423-434.	9.9	142
30	Physicochemical optimisation of plasmid delivery by cationic lipids. Journal of Gene Medicine, 2004, 6, S24-S35.	2.8	138
31	Rat adrenal medulla: Levels of chromogranins, enkephalins, dopamine Î²-hydroxylase and of the amine transporter are changed by nervous activity and hypophysectomy. Neuroscience, 1987, 22, 131-139.	2.3	134
32	Critical assessment of the nuclear import of plasmid during cationic lipid-mediated gene transfer. Journal of Gene Medicine, 2001, 3, 179-187.	2.8	126
33	Electrophoretic Component of Electric Pulses Determines the Efficacy of In Vivo DNA Electrotransfer. Human Gene Therapy, 2005, 16, 1194-1201.	2.7	126
34	In vivo optical imaging with rare earth doped Ca_2Si_5N_8 persistent luminescence nanoparticles. Optical Materials Express, 2012, 2, 261.	3.0	126
35	Efficient purification of plasmid DNA for gene transfer using triple-helix affinity chromatography. Gene Therapy, 1997, 4, 323-330.	4.5	125
36	Folate-Targeted Gene Transfer in Vivo. Molecular Therapy, 2002, 5, 739-744.	8.2	125

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37	Characterization of the monoamine carrier of chromaffin granule membrane by binding of [2-3H]dihydrotetrabenazine.. Proceedings of the National Academy of Sciences of the United States of America, 1983, 80, 584-588.	7.1	124
38	Polarized transport of docetaxel and vinblastine mediated by P-glycoprotein in human intestinal epithelial cell monolayers. Biochemical Pharmacology, 1994, 48, 1528-1530.	4.4	124
39	High-Level Protein Secretion into Blood Circulation after Electric Pulse-Mediated Gene Transfer into Skeletal Muscle. Molecular Therapy, 2000, 2, 204-210.	8.2	121
40	Reduction-Sensitive Lipopolyamines as a Novel Nonviral Gene Delivery System for Modulated Release of DNA with Improved Transgene Expression. Journal of Medicinal Chemistry, 2000, 43, 4377-4387.	6.4	120
41	Long term in vivo imaging with Cr3+ doped spinel nanoparticles exhibiting persistent luminescence. Journal of Luminescence, 2016, 170, 879-887.	3.1	120
42	Plasmid DNA electrotransfer for intracellular and secreted proteins expression: new methodological developments and applications. Journal of Gene Medicine, 2004, 6, S11-S23.	2.8	119
43	Coupling of Nuclear Localization Signals to Plasmid DNA and Specific Interaction of the Conjugates with Importin Î±. Bioconjugate Chemistry, 1999, 10, 49-55.	3.6	110
44	pCOR: a new design of plasmid vectors for nonviral gene therapy. Gene Therapy, 1999, 6, 1482-1488.	4.5	109
45	Thermoresponsive surfaces for cell culture and enzyme-free cell detachment. Progress in Polymer Science, 2010, 35, 1311-1324.	24.7	109
46	Formulations which increase the size of lipoplexes prevent serum-associated inhibition of transfection. Journal of Gene Medicine, 2000, 2, 32-40.	2.8	107
47	Cell microcarriers and microcapsules of stimuli-responsive polymers. Journal of Controlled Release, 2011, 149, 209-224.	9.9	107
48	Structural characteristics of supramolecular assemblies formed by guanidinium-cholesterol reagents for gene transfection. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 2621-2626.	7.1	106
49	Liposomal encapsulation of the natural flavonoid fisetin improves bioavailability and antitumor efficacy. International Journal of Pharmaceutics, 2013, 444, 146-154.	5.2	106
50	Electrotransfer of naked DNA in the skeletal muscles of animal models of muscular dystrophies. Gene Therapy, 2001, 8, 1097-1107.	4.5	103
51	Synthetic DNA-compacting peptides derived from human sequence enhance cationic lipid-mediated gene transfer in vitro and in vivo. Gene Therapy, 1999, 6, 282-292.	4.5	101
52	Phosphoramidate oligonucleotides as potent antisense molecules in cells and in vivo. Nature Biotechnology, 2001, 19, 40-44.	17.5	98
53	Gadoliniumâ€Doped Persistent Nanophosphors as Versatile Tool for Multimodal In Vivo Imaging. Advanced Functional Materials, 2015, 25, 331-338.	14.9	98
54	Functional Expression of Pâ€Glycoprotein in an Immortalised Cell Line of Rat Brain Endothelial Cells, RBE4. Journal of Neurochemistry, 1996, 67, 988-995.	3.9	96

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55	Efficient suppression of murine arthritis by combined anticytokine small interfering RNA lipoplexes. Arthritis and Rheumatism, 2008, 58, 2356-2367.	6.7	95
56	Dihydrotetrabenazine Binding and Monoamine Uptake in Mouse Brain Regions. Journal of Neurochemistry, 1986, 47, 331-339.	3.9	94
57	AON-mediated Exon Skipping Restores Ciliation in Fibroblasts Harboring the Common Leber Congenital Amaurosis CEP290 Mutation. Molecular Therapy - Nucleic Acids, 2012, 1, e29.	5.1	94
58	High lipophilicity decreases drug transport across intestinal epithelial cells. Journal of Pharmacology and Experimental Therapeutics, 1994, 269, 654-8.	2.5	94
59	Persistent luminescence of AB2O4:Cr3+ (A=Zn, Mg, B=Ga, Al) spinels: New biomarkers for in vivo imaging. Optical Materials, 2014, 36, 1901-1906.	3.6	93
60	Reserpine binding to bovine chromaffin granule membranes. Characterization and comparison with dihydrotetrabenazine binding. Molecular Pharmacology, 1984, 25, 113-22.	2.3	92
61	Erythropoietin secretion and physiological effect in mouse after intramuscular plasmid DNA electrotransfer. Journal of Gene Medicine, 1999, 1, 245-250.	2.8	89
62	New Generation of Plasmid Backbones Devoid of Antibiotic Resistance Marker for Gene Therapy Trials. Molecular Therapy, 2011, 19, 1942-1949.	8.2	88
63	Lipospermine-Based Gene Transfer into the Newborn Mouse Brain Is Optimized by a Low Lipospermine/DNA Charge Ratio. Human Gene Therapy, 1995, 6, 1515-1524.	2.7	87
64	Design and Evaluation of Histidine-Rich Amphipathic Peptides for siRNA Delivery. Pharmaceutical Research, 2010, 27, 1426-1436.	3.5	87
65	Improved antiangiogenic and antitumour activity of the combination of the natural flavonoid fisetin and cyclophosphamide in Lewis lung carcinoma-bearing mice. Cancer Chemotherapy and Pharmacology, 2011, 68, 445-455.	2.3	87
66	Intramuscular plasmid DNA electrotransfer. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2004, 1676, 138-148.	2.4	85
67	[3H]Dihydrotetrabenazine, a New In Vitro Monoaminergic Probe for Human Brain. Journal of Neurochemistry, 1988, 50, 1131-1136.	3.9	84
68	Reserpine binding to chromaffin granules suggests the existence of two conformations of the monoamine transporter. Biochemistry, 1989, 28, 1692-1697.	2.5	84
69	D1 and D2-type dopamine receptors in patients with Parkinson's disease and progressive supranuclear palsy. Journal of the Neurological Sciences, 1988, 86, 291-306.	0.6	83
70	Development of a liposomal formulation of the natural flavonoid fisetin. International Journal of Pharmaceutics, 2012, 423, 69-76.	5.2	83
71	Anti-inflammatory effects of PJ34, a poly(ADP-ribose) polymerase inhibitor, in transient focal cerebral ischemia in mice. British Journal of Pharmacology, 2006, 149, 23-30.	5.4	82
72	Neuroinflammatory and oxidative stress phenomena in MPS IIIA mouse model: The positive effect of long-term aspirin treatment. Molecular Genetics and Metabolism, 2011, 103, 18-25.	1.1	81

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73	Glucocorticoidâ€induced leucine zipper is an endogenous antiinflammatory mediator in arthritis. Arthritis and Rheumatism, 2010, 62, 2651-2661.	6.7	80
74	Fisetin disposition and metabolism in mice: Identification of geraldol as an active metabolite. Biochemical Pharmacology, 2011, 82, 1731-1739.	4.4	79
75	Cationic lipid nanocarriers activate Toll-like receptor 2 and NLRP3 inflammasome pathways. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 775-782.	3.3	79
76	Synthesis of glucose-chlorambucil derivatives and their recognition by the human GLUT1 glucose transporter. European Journal of Pharmacology, 1996, 318, 477-484.	3.5	77
77	In Vitro Targeting of Avidin-Expressing Glioma Cells with Biotinylated Persistent Luminescence Nanoparticles. Bioconjugate Chemistry, 2012, 23, 472-478.	3.6	76
78	Mesoporous persistent nanophosphors for in vivo optical bioimaging and drug-delivery. Nanoscale, 2014, 6, 13970-13976.	5.6	76
79	Optimisation of intradermal DNA electrotransfer for immunisation. Journal of Controlled Release, 2007, 124, 81-87.	9.9	71
80	Electric pulses increase the immunogenicity of an influenza DNA vaccine injected intramuscularly in the mouse. Vaccine, 2001, 19, 1688-1693.	3.8	70
81	Reducible cationic lipids for gene transfer. Biochemical Journal, 2001, 356, 747-756.	3.7	70
82	Oxonol-v as a probe of chromaffin granule membrane potentials. Biochimica Et Biophysica Acta - Biomembranes, 1980, 599, 150-166.	2.6	69
83	Anionic polyethyleneglycol lipids added to cationic lipoplexes increase their plasmatic circulation time. Journal of Controlled Release, 2003, 88, 429-443.	9.9	69
84	Electrotransfer into Skeletal Muscle for Protein Expression. Current Gene Therapy, 2006, 6, 561-578.	2.0	69
85	pFARs, Plasmids free of antibiotic resistance markers, display highâ€level transgene expression in muscle, skin and tumour cells. Journal of Gene Medicine, 2010, 12, 323-332.	2.8	69
86	Synthesis and inÂvitro evaluation of potential anticancer activity of mono- and bis-1,2,3-triazole derivatives of bis-alkynes. European Journal of Medicinal Chemistry, 2013, 60, 360-364.	5.5	69
87	Cationic lipid-mediated gene transfer: analysis of cellular uptake and nuclear import of plasmid DNA. Cell Biology and Toxicology, 1998, 14, 95-104.	5.3	68
88	Coupling of a targeting peptide to plasmid DNA by covalent triple helix formation. FEBS Letters, 1999, 453, 41-45.	2.8	68
89	In vivo plasmid DNA electrotransfer. Current Opinion in Biotechnology, 2002, 13, 443-447.	6.6	67
90	Anionic polymers for decreased toxicity and enhanced in vivo delivery of siRNA complexed with cationic liposomes. Journal of Controlled Release, 2011, 152, 393-401.	9.9	67

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91	Sterically stabilized BGTC-based lipoplexes: structural features and gene transfection into the mouse airwaysin vivo. Journal of Gene Medicine, 2001, 3, 478-487.	2.8	66
92	Gene Therapy of Collagen-Induced Arthritis by Electrotransfer of Human Tumor Necrosis Factor-Î± Soluble Receptor I Variants. Human Gene Therapy, 2004, 15, 189-201.	2.7	66
93	CD36 Deficiency Leads to Choroidal Involution via COX2 Down-Regulation in Rodents. PLoS Medicine, 2008, 5, e39.	8.4	64
94	Flavonoid-Induced Morphological Modifications of Endothelial Cells Through Microtubule Stabilization. Nutrition and Cancer, 2009, 61, 310-321.	2.0	63
95	Uptake of meta-iodobenzylguanidine by bovine chromaffin granule membranes. Molecular Pharmacology, 1986, 29, 275-80.	2.3	63
96	Ketanserin binds to the monoamine transporter of chromaffin granules and of synaptic vesicles. Molecular Pharmacology, 1988, 33, 672-7.	2.3	62
97	Efficacy of interleukin-10 gene electrotransfer into skeletal muscle in mice with collagen-induced arthritis. Journal of Gene Medicine, 2003, 5, 164-171.	2.8	60
98	Gene transfer by naked DNA into adult mouse brain. Gene Therapy, 1996, 3, 405-11.	4.5	60
99	Efficient DNA electrotransfer into tumors. Bioelectrochemistry, 2000, 52, 83-90.	4.6	59
100	Plasmid electrotransfer of eye ciliary muscle: principles and therapeutic efficacy using hTNFâ€Î± soluble receptor in uveitis. FASEB Journal, 2006, 20, 389-391.	0.5	59
101	Improvement of mouse Î²-thalassemia by electrotransfer of erythropoietin cDNA. Experimental Hematology, 2001, 29, 295-300.	0.4	58
102	Housekeeping while brain's storming Validation of normalizing factors for gene expression studies in a murine model of traumatic brain injury. BMC Molecular Biology, 2008, 9, 62.	3.0	58
103	The NTS-DBL2X Region of VAR2CSA Induces Cross-Reactive Antibodies That Inhibit Adhesion of Several Plasmodium falciparum Isolates to Chondroitin Sulfate A. Journal of Infectious Diseases, 2011, 204, 1125-1133.	4.0	58
104	AntisenseMBD2 gene therapy inhibits tumorigenesis. Journal of Gene Medicine, 2002, 4, 381-389.	2.8	57
105	In vivo RNAi-mediated silencing of TAK1 decreases inflammatory Th1 and Th17 cells through targeting of myeloid cells. Blood, 2010, 116, 3505-3516.	1.4	57
106	Cationic Lipids for Transfection. Current Medicinal Chemistry, 2003, 10, 1263-1277.	2.4	56
107	Inflammation-inducible anti-TNF gene expression mediated by intra-articular injection of serotype 5 adeno-associated virus reduces arthritis. Journal of Gene Medicine, 2007, 9, 596-604.	2.8	56
108	pH-Dependence of the ATP-Driven Uptake of Noradrenaline by Bovine Chromaffin-Granule Ghosts. FEBS Journal, 1981, 116, 535-539.	0.2	55

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109	Colon Tumor Growth and Antivascular Treatment in Mice: Complementary Assessment with MR Elastography and Diffusion-weighted MR Imaging. Radiology, 2012, 264, 436-444.	7.3	55
110	Induction of Blood-Brain Barrier Differentiation in a Rat Brain-Derived Endothelial Cell Line. Experimental Cell Research, 1995, 220, 161-170.	2.6	54
111	Quantitative autoradiography of the rat brain vesicular monoamine transporter using the binding of [3H]dihydrotetrabenazine and 7-amino-8-[125I]iodoketanserin. Neuroscience, 1989, 33, 341-349.	2.3	53
112	Dimeric erythropoietin fusion protein with enhanced erythropoietic activity in vitro and in vivo. Blood, 2001, 97, 3776-3782.	1.4	53
113	Vascular endothelial growth factor reduced hypoxia-induced death of human myoblasts and improved their engraftment in mouse muscles. Gene Therapy, 2008, 15, 404-414.	4.5	53
114	Study on the solâ€“gel transition of xyloglucan hydrogels. Carbohydrate Polymers, 2010, 80, 555-562.	10.2	52
115	Hemocompatibility investigation and improvement of near-infrared persistent luminescent nanoparticle ZnGa₂O₄:Cr³⁺ by surface PEGylation. Journal of Materials Chemistry B, 2019, 7, 3796-3803.	5.8	51
116	Effect of drugs on the ATP-induced and pH-gradient-driven monoamine transport by bovine chromaffin granules. Biochemical Pharmacology, 1980, 29, 1883-1890.	4.4	50
117	The regionalization of [3H]dihydrotetrabenazine binding sites in the mouse brain and its relationship to the distribution of monoamines and their metabolites. Brain Research, 1986, 370, 176-181.	2.2	49
118	Reduction of arthritis following intra-articular administration of an adeno-associated virus serotype 5 expressing a disease-inducible TNF-blocking agent. Annals of the Rheumatic Diseases, 2007, 66, 1143-1150.	0.9	49
119	In vivo imaging with persistent luminescence silicate-based nanoparticles. Optical Materials, 2013, 35, 1852-1858.	3.6	49
120	Design, Properties, and In Vivo Behavior of SuperÂparamagnetic Persistent Luminescence Nanohybrids. Small, 2015, 11, 2696-2704.	10.0	49
121	[3H]Dihydrotetrabenazine, a new marker for the visualization of dopaminergic denervation in the rat striatum. Neuroscience Letters, 1990, 114, 45-50.	2.1	47
122	Synaptin/synaptophysin, p65 and SV2: their presence in adrenal chromaffin granules and sympathetic large dense core vesicles. Biochimica Et Biophysica Acta - Bioenergetics, 1991, 1060, 251-256.	1.0	47
123	Inhibiting Myostatin with Follistatin Improves the Success of Myoblast Transplantation in Dystrophic Mice. Cell Transplantation, 2008, 17, 337-350.	2.5	47
124	Intracellular fate and nuclear targeting of plasmid DNA. Cell Biology and Toxicology, 1999, 15, 193-202.	5.3	46
125	Design, Synthesis, and Evaluation of Gadolinium Cationic Lipids As Tools for Biodistribution Studies of Gene Delivery Complexes. Bioconjugate Chemistry, 2003, 14, 112-119.	3.6	46
126	Storage correction in cells of patients suffering from mucopolysaccharidoses types IIIA and VII after treatment with genistein and other isoflavones. Journal of Inherited Metabolic Disease, 2010, 33, 61-67.	3.6	46

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127	Neutral Postgrafted Colloidal Particles for Gene Delivery. Bioconjugate Chemistry, 2005, 16, 608-614.	3.6	45
128	One-step quantification of single-stranded DNA in the presence of RNA using Oligreen in a real-time polymerase chain reaction thermocycler. Analytical Biochemistry, 2008, 372, 116-118.	2.4	45
129	Genetic pharmacology: progresses in siRNA delivery and therapeutic applications. Gene Therapy, 2017, 24, 151-156.	4.5	45
130	In Vivo Electrochemical Detection of Nitric Oxide in Tumor-Bearing Mice. Analytical Chemistry, 2007, 79, 1030-1033.	6.5	44
131	Reducible cationic lipids for gene transfer. Biochemical Journal, 2001, 356, 747.	3.7	43
132	Regulation of neurotensin-containing neurons in the rat striatum and substantia nigra. Effects of unilateral nigral lesion with 6-hydroxydopamine on neurotensin content and its binding site density. Brain Research, 1990, 510, 203-210.	2.2	41
133	Anionic pH-sensitive pegylated lipoplexes to deliver DNA to tumors. International Journal of Pharmaceutics, 2008, 361, 194-201.	5.2	41
134	Persistent luminescence induced by near infra-red photostimulation in chromium-doped zinc gallate for inÂvivo optical imaging. Optical Materials, 2017, 63, 51-58.	3.6	41
135	Drug repositioning for rare diseases: Knowledge-based success stories. Therapie, 2020, 75, 161-167.	1.0	41
136	Existence of an adenosine 5'-triphosphate dependent proton translocase in bovine neurosecretory granule membrane. Biochemistry, 1982, 21, 687-694.	2.5	40
137	Viral and non-viral gene therapy partially prevents experimental cisplatin-induced neuropathy. Gene Therapy, 2002, 9, 1333-1337.	4.5	40
138	Time required for transmitter accumulation inside monoaminergic storage vesicles differs in peripheral and in central systems. Neuroscience, 1988, 27, 1029-1035.	2.3	39
139	Sympathetic axons and nerve terminals: The protein composition of small and large dense-core and of a third type of vesicles. Neuroscience, 1990, 37, 819-827.	2.3	39
140	Synthesis and functionalization of persistent luminescence nanoparticles with small molecules and evaluation of their targeting ability. International Journal of Pharmaceutics, 2012, 423, 102-107.	5.2	39
141	Application of lipids and plasmid design for gene delivery to mammalian cells. Current Opinion in Biotechnology, 1998, 9, 480-485.	6.6	38
142	Nicotinamide phosphoribosyltransferase/visfatin expression by inflammatory monocytes mediates arthritis pathogenesis. Annals of the Rheumatic Diseases, 2013, 72, 1717-1724.	0.9	38
143	Nanohybrids with Magnetic and Persistent Luminescence Properties for Cell Labeling, Tracking, In Vivo Realâ€Time Imaging, and Magnetic Vectorization. Small, 2018, 14, e1800020.	10.0	38
144	Internal pH of isolated newly formed and aged neurohypophysial granules.. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 476-479.	7.1	37

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145	Oxygen tension and a pharmacological switch in the regulation of transgene expression for gene therapy. Journal of Gene Medicine, 2001, 3, 498-504.	2.8	37
146	A New Triantennary Galactose-Targeted PEGylated Gene Carrier, Characterization of Its Complex with DNA, and Transfection of Hepatoma Cells. Bioconjugate Chemistry, 2004, 15, 754-764.	3.6	37
147	Optical imaging of luminescence for in vivo quantification of gene electrotransfer in mouse muscle and knee. BMC Biotechnology, 2006, 6, 16.	3.3	37
148	Design, synthesis and evaluation of potent thymidylate synthase X inhibitors. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3628-3631.	2.2	37
149	Role of the proton electrochemical gradient in monoamine transport by bovine chromaffin granules. Biochimica Et Biophysica Acta - Biomembranes, 1980, 601, 664-677.	2.6	36
150	Incorporation of 2,3â€Ðiaminopropionic Acid into Linear Cationic Amphipathic Peptides Produces pHâ€Šensitive Vectors. ChemBioChem, 2010, 11, 1266-1272.	2.6	36
151	Synthesis and biological evaluation of novel ferrocenyl curcuminoid derivatives. MedChemComm, 2011, 2, 190.	3.4	36
152	A novel thiazolidine compound induces caspase-9 dependent apoptosis in cancer cells. Bioorganic and Medicinal Chemistry, 2012, 20, 5094-5102.	3.0	36
153	InÂvitro and inÂvivo biological evaluation of new 4,5-disubstituted 1,2,3-triazoles as cis-constrained analogs of combretastatin A4. European Journal of Medicinal Chemistry, 2012, 54, 22-32.	5.5	36
154	Drug repurposing in rare diseases: Myths and reality. Therapie, 2020, 75, 157-160.	1.0	36
155	Differentiated intestinal epithelial cell lines asin vitro models for predicting the intestinal absorption of drugs. Cell Biology and Toxicology, 1994, 10, 393-397.	5.3	35
156	Regulatable systemic production of monoclonal antibodies by in vivo muscle electroporation. Genetic Vaccines and Therapy, 2004, 2, 2.	1.5	35
157	Regulation of the Chromaffin Granule Catecholamine Transporter in Cultured Bovine Adrenal Medullary Cells: Stimulusâ€“Biosynthesis Coupling. Journal of Neurochemistry, 1992, 59, 2105-2112.	3.9	35
158	Functionalized singleâ€walled carbon nanotubes containing traces of iron as new negative MRI contrast agents for in vivo imaging. Contrast Media and Molecular Imaging, 2012, 7, 153-159.	0.8	35
159	Cationic microbubbles and antibiotic-free miniplasmid for sustained ultrasoundâ€“mediated transgene expression in liver. Journal of Controlled Release, 2017, 262, 170-181.	9.9	35
160	Production of a new DNA vehicle for gene transfer using site-specific recombination. Applied Microbiology and Biotechnology, 1998, 49, 560-567.	3.6	34
161	Synthesis of cytotoxic ferrocenyl flavones via a ferricenium-mediated 1,6-oxidative cyclization. Chemical Communications, 2010, 46, 5145.	4.1	34
162	Formulated siRNAs targeting Rankl prevent osteolysis and enhance chemotherapeutic response in osteosarcoma models. Journal of Bone and Mineral Research, 2011, 26, 2452-2462.	2.8	34

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163	Molecular Pharmacology of the Monoamine Transporter of the Chromaffin Granule Membrane. Annals of the New York Academy of Sciences, 1987, 493, 194-206.	3.8	33
164	Characteristics of the transport of the quaternary ammonium 1-methyl-4-phenylpyridinium by chromaffin granules. Biochemical Pharmacology, 1988, 37, 4381-4387.	4.4	33
165	Monoamine vesicular uptake sites in patients with Parkinson's disease and Alzheimer's disease, as measured by tritiated dihydrotetrabenazine autoradiography. Brain Research, 1994, 659, 1-9.	2.2	33
166	Synthesis and biological evaluation of (3,4,5-trimethoxyphenyl)indol-3-ylmethane derivatives as potential antivascular agents. Bioorganic and Medicinal Chemistry, 2006, 14, 4410-4426.	3.0	33
167	Lipopolythioureas:Â A New Non-Cationic System for Gene Transfer. Bioconjugate Chemistry, 2007, 18, 484-493.	3.6	33
168	Synthesis and biological evaluation of new disubstituted analogues of 6-methoxy-3-(3â€²,4â€²,5â€²-trimethoxybenzoyl)-1H-indole (BPR0L075), as potential antivascular agents. Bioorganic and Medicinal Chemistry, 2008, 16, 7494-7503.	3.0	33
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