

JÃ,rgen Kjems

List of Publications by Year in descending order

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Version: 2024-02-01

297
papers

33,672
citations

6592

79
h-index

4419

172
g-index

303
all docs

303
docs citations

303
times ranked

33994
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural RNA circles function as efficient microRNA sponges. <i>Nature</i> , 2013, 495, 384-388.	13.7	6,415
2	The biogenesis, biology and characterization of circular RNAs. <i>Nature Reviews Genetics</i> , 2019, 20, 675-691.	7.7	2,832
3	Self-assembly of a nanoscale DNA box with a controllable lid. <i>Nature</i> , 2009, 459, 73-76.	13.7	1,464
4	Circular RNAs in cancer: opportunities and challenges in the field. <i>Oncogene</i> , 2018, 37, 555-565.	2.6	1,102
5	Circular RNA and miR-7 in Cancer. <i>Cancer Research</i> , 2013, 73, 5609-5612.	0.4	847
6	miRNA-dependent gene silencing involving Ago2-mediated cleavage of a circular antisense RNA. <i>EMBO Journal</i> , 2011, 30, 4414-4422.	3.5	841
7	RNA Interference in Vitro and in Vivo Using a Novel Chitosan/siRNA Nanoparticle System. <i>Molecular Therapy</i> , 2006, 14, 476-484.	3.7	549
8	Single-molecule chemical reactions on DNA origami. <i>Nature Nanotechnology</i> , 2010, 5, 200-203.	15.6	478
9	Circular RNAs: Identification, biogenesis and function. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 163-168.	0.9	469
10	Spatio-temporal regulation of circular RNA expression during porcine embryonic brain development. <i>Genome Biology</i> , 2015, 16, 245.	3.8	422
11	The influence of polymeric properties on chitosan/siRNA nanoparticle formulation and gene silencing. <i>Biomaterials</i> , 2007, 28, 1280-1288.	5.7	382
12	Insights into circular RNA biology. <i>RNA Biology</i> , 2017, 14, 1035-1045.	1.5	362
13	Genomic Profiling of MicroRNAs in Bladder Cancer: miR-129 Is Associated with Poor Outcome and Promotes Cell Death <i>in vitro</i> . <i>Cancer Research</i> , 2009, 69, 4851-4860.	0.4	349
14	Comparison of circular RNA prediction tools. <i>Nucleic Acids Research</i> , 2016, 44, e58-e58.	6.5	349
15	Coordinated epigenetic repression of the miR-200 family and miR-205 in invasive bladder cancer. <i>International Journal of Cancer</i> , 2011, 128, 1327-1334.	2.3	335
16	The emerging landscape of circular RNA in life processes. <i>RNA Biology</i> , 2017, 14, 992-999.	1.5	328
17	A large-scale chemical modification screen identifies design rules to generate siRNAs with high activity, high stability and low toxicity. <i>Nucleic Acids Research</i> , 2009, 37, 2867-2881.	6.5	315
18	Photonic-crystal waveguide biosensor. <i>Optics Express</i> , 2007, 15, 3169.	1.7	287

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19	Chitosan/siRNA Nanoparticle-mediated TNF- α Knockdown in Peritoneal Macrophages for Anti-inflammatory Treatment in a Murine Arthritis Model. <i>Molecular Therapy</i> , 2009, 17, 162-168.	3.7	270
20	DNA Origami Design of Dolphin-Shaped Structures with Flexible Tails. <i>ACS Nano</i> , 2008, 2, 1213-1218.	7.3	264
21	MicroRNA-128 Governs Neuronal Excitability and Motor Behavior in Mice. <i>Science</i> , 2013, 342, 1254-1258.	6.0	264
22	Size-Dependent Accumulation of PEGylated Silane-Coated Magnetic Iron Oxide Nanoparticles in Murine Tumors. <i>ACS Nano</i> , 2009, 3, 1947-1951.	7.3	242
23	Structural analysis of the interaction between the human immunodeficiency virus Rev protein and the Rev response element.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 683-687.	3.3	240
24	The Effect of Chemical Modification and Nanoparticle Formulation on Stability and Biodistribution of siRNA in Mice. <i>Molecular Therapy</i> , 2009, 17, 1225-1233.	3.7	229
25	A microRNA detection system based on padlock probes and rolling circle amplification. <i>Rna</i> , 2006, 12, 1747-1752.	1.6	206
26	MicroRNAs in epilepsy: pathophysiology and clinical utility. <i>Lancet Neurology</i> , The, 2016, 15, 1368-1376.	4.9	200
27	Evolutionary relationships amongst archaeobacteria. <i>Journal of Molecular Biology</i> , 1987, 195, 43-61.	2.0	198
28	RanGTP-Regulated Interactions of CRM1 with Nucleoporins and a Shuttleing DEAD-Box Helicase. <i>Molecular and Cellular Biology</i> , 1999, 19, 6276-6285.	1.1	193
29	The Specificity of the CRM1-Rev Nuclear Export Signal Interaction Is Mediated by RanGTP. <i>Journal of Biological Chemistry</i> , 1998, 273, 33414-33422.	1.6	188
30	RNA Aptamer-Based Electrochemical Biosensor for Selective and Label-Free Analysis of Dopamine. <i>Analytical Chemistry</i> , 2013, 85, 121-128.	3.2	184
31	Chitosan/siRNA Nanoparticles Encapsulated in PLGA Nanofibers for siRNA Delivery. <i>ACS Nano</i> , 2012, 6, 4835-4844.	7.3	181
32	Specific regulation of mRNA splicing in vitro by a peptide from HIV-1 Rev. <i>Cell</i> , 1991, 67, 169-178.	13.5	178
33	Improved silencing properties using small internally segmented interfering RNAs. <i>Nucleic Acids Research</i> , 2007, 35, 5886-5897.	6.5	174
34	Circular RNAs as novel regulators of β -cell functions in normal and disease conditions. <i>Molecular Metabolism</i> , 2018, 9, 69-83.	3.0	170
35	Control of enzyme reactions by a reconfigurable DNA nanovault. <i>Nature Communications</i> , 2017, 8, 992.	5.8	160
36	A screen of chemical modifications identifies position-specific modification by UNA to most potently reduce siRNA off-target effects. <i>Nucleic Acids Research</i> , 2010, 38, 5761-5773.	6.5	157

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37	A 5' Splice Site Enhances the Recruitment of Basal Transcription Initiation Factors In Vivo. <i>Molecular Cell</i> , 2008, 29, 271-278.	4.5	156
38	Nanomechanical Sensing of DNA Sequences Using Piezoresistive Cantilevers. <i>Langmuir</i> , 2005, 21, 8400-8408.	1.6	155
39	Crosstalk between mRNA 5' End Processing and Transcription Initiation. <i>Molecular Cell</i> , 2010, 40, 410-422.	4.5	153
40	Template-directed covalent conjugation of DNA to native antibodies, transferrin and other metal-binding proteins. <i>Nature Chemistry</i> , 2014, 6, 804-809.	6.6	152
41	The hnRNP A1 protein regulates HIV-1 tat splicing via a novel intron silencer element. <i>EMBO Journal</i> , 2001, 20, 5748-5758.	3.5	145
42	CRM1 Mediates the Export of ADAR1 through a Nuclear Export Signal within the Z-DNA Binding Domain. <i>Molecular and Cellular Biology</i> , 2001, 21, 7862-7871.	1.1	140
43	Seemingly Neutral Polymorphic Variants May Confer Immunity to Splicing-Inactivating Mutations: A Synonymous SNP in Exon 5 of MCAD Protects from Deleterious Mutations in a Flanking Exonic Splicing Enhancer. <i>American Journal of Human Genetics</i> , 2007, 80, 416-432.	2.6	140
44	Circular RNAs are abundantly expressed and upregulated during human epidermal stem cell differentiation. <i>RNA Biology</i> , 2018, 15, 280-291.	1.5	137
45	MicroRNA Alterations and Associated Aberrant DNA Methylation Patterns across Multiple Sample Types in Oral Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2011, 6, e27840.	1.1	137
46	Novel splicing mechanism for the ribosomal RNA intron in the archaeobacterium <i>desulfurococcus mobilis</i> . <i>Cell</i> , 1988, 54, 693-703.	13.5	136
47	miR-145 induces caspase-dependent and -independent cell death in urothelial cancer cell lines with targeting of an expression signature present in Ta bladder tumors. <i>Oncogene</i> , 2010, 29, 1073-1084.	2.6	135
48	Argonaute 2 in dopamine 2 receptor α -expressing neurons regulates cocaine addiction. <i>Journal of Experimental Medicine</i> , 2010, 207, 1843-1851.	4.2	134
49	A synthetic HIV-1 Rev inhibitor interfering with the CRM1-mediated nuclear export. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14440-14445.	3.3	120
50	Construction of a 4 Zeptoliters Switchable 3D DNA Box Origami. <i>ACS Nano</i> , 2012, 6, 10050-10053.	7.3	120
51	Cantilever Sensor for Nanomechanical Detection of Specific Protein Conformations. <i>Nano Letters</i> , 2005, 5, 2385-2388.	4.5	115
52	SC35 and Heterogeneous Nuclear Ribonucleoprotein A/B Proteins Bind to a Juxtaposed Exonic Splicing Enhancer/Exonic Splicing Silencer Element to Regulate HIV-1 tat Exon 2 Splicing. <i>Journal of Biological Chemistry</i> , 2004, 279, 10077-10084.	1.6	114
53	Intracellular Delivery of a Planar DNA Origami Structure by the Transferrin Receptor Internalization Pathway. <i>Small</i> , 2016, 12, 2634-2640.	5.2	114
54	An Unusual Topological Structure of the HIV-1 Rev Response Element. <i>Cell</i> , 2013, 155, 594-605.	13.5	109

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55	A simple method for deriving functional MSCs and applied for osteogenesis in 3D scaffolds. <i>Scientific Reports</i> , 2013, 3, 2243.	1.6	108
56	LifeTime and improving European healthcare through cell-based interceptive medicine. <i>Nature</i> , 2020, 587, 377-386.	13.7	108
57	The miR-143/-145 cluster regulates plasminogen activator inhibitor-1 in bladder cancer. <i>British Journal of Cancer</i> , 2012, 106, 366-374.	2.9	106
58	Effect of physicochemical properties on intranasal nanoparticle transit into murine olfactory epithelium. <i>Journal of Drug Targeting</i> , 2009, 17, 543-552.	2.1	105
59	Effects of Tween 80 on Growth and Biofilm Formation in Laboratory Media. <i>Frontiers in Microbiology</i> , 2016, 7, 1878.	1.5	105
60	Circular RNA expression is abundant and correlated to aggressiveness in early-stage bladder cancer. <i>Npj Genomic Medicine</i> , 2017, 2, 36.	1.7	105
61	An intron in the 23S ribosomal RNA gene of the archaeobacterium <i>Desulfurococcus mobilis</i> . <i>Nature</i> , 1985, 318, 675-677.	13.7	104
62	Mapping the RNA binding sites for human immunodeficiency virus type-1 Gag and NC proteins within the complete HIV-1 and -2 untranslated leader regions. <i>Nucleic Acids Research</i> , 1998, 26, 3667-3676.	6.5	101
63	RNA Interactions in the 5' Region of the HIV-1 Genome. <i>Journal of Molecular Biology</i> , 2004, 336, 369-379.	2.0	101
64	Utilization of unlocked nucleic acid (UNA) to enhance siRNA performance in vitro and in vivo. <i>Molecular BioSystems</i> , 2010, 6, 862.	2.9	101
65	Delivery of siRNA from lyophilized polymeric surfaces. <i>Biomaterials</i> , 2008, 29, 506-512.	5.7	100
66	Enhanced Catalysis from Multienzyme Cascades Assembled on a DNA Origami Triangle. <i>ACS Nano</i> , 2019, 13, 13677-13689.	7.3	100
67	Curvature of Synthetic and Natural Surfaces Is an Important Target Feature in Classical Pathway Complement Activation. <i>Journal of Immunology</i> , 2010, 184, 1931-1945.	0.4	98
68	hnRNP A1 controls HIV-1 mRNA splicing through cooperative binding to intron and exon splicing silencers in the context of a conserved secondary structure. <i>Rna</i> , 2002, 8, 1401-1415.	1.6	97
69	Translational repression of E2F1 mRNA in carcinoma in situ and normal testis correlates with expression of the miR-17-92 cluster. <i>Cell Death and Differentiation</i> , 2007, 14, 879-882.	5.0	96
70	Chitosan polyplex mediated delivery of miRNA-124 reduces activation of microglial cells in vitro and in rat models of spinal cord injury. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 643-653.	1.7	93
71	Enzyme-free digital counting of endogenous circular RNA molecules in B-cell malignancies. <i>Laboratory Investigation</i> , 2018, 98, 1657-1669.	1.7	93
72	Chitosan composites for biomedical applications: Status, challenges and perspectives. <i>Materials Science and Technology</i> , 2008, 24, 1053-1061.	0.8	92

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73	Impact of PEG Chain Length on the Physical Properties and Bioactivity of PEGylated Chitosan/siRNA Nanoparticles in Vitro and in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12203-12216.	4.0	92
74	Optimized siRNA-PEG Conjugates for Extended Blood Circulation and Reduced Urine Excretion in Mice. <i>Theranostics</i> , 2013, 3, 201-209.	4.6	88
75	Pulmonary Gene Silencing in Transgenic EGFP Mice Using Aerosolised Chitosan/siRNA Nanoparticles. <i>Pharmaceutical Research</i> , 2010, 27, 2520-2527.	1.7	87
76	A novel approach to describe a U1 snRNA binding site. <i>Nucleic Acids Research</i> , 2003, 31, 6963-6975.	6.5	86
77	Construction of a Fuzzy and Boolean Logic Gates Based on DNA. <i>Small</i> , 2015, 11, 1811-1817.	5.2	86
78	A microRNA-129a5p/Rbfox crosstalk coordinates homeostatic downscaling of excitatory synapses. <i>EMBO Journal</i> , 2017, 36, 1770-1787.	3.5	85
79	Megalin-Mediated Specific Uptake of Chitosan/siRNA Nanoparticles in Mouse Kidney Proximal Tubule Epithelial Cells Enables AQP1 Gene Silencing. <i>Theranostics</i> , 2014, 4, 1039-1051.	4.6	83
80	Comparative genomics beyond sequence-based alignments: RNA structures in the ENCODE regions. <i>Genome Research</i> , 2008, 18, 242-251.	2.4	82
81	Development of Therapeutic-Grade Small Interfering RNAs by Chemical Engineering. <i>Frontiers in Genetics</i> , 2012, 3, 154.	1.1	82
82	Biological Activity and Biotechnological Aspects of Locked Nucleic Acids. <i>Advances in Genetics</i> , 2013, 82, 47-107.	0.8	82
83	In Vitro Interaction between Human Immunodeficiency Virus Type 1 Rev Protein and Splicing Factor ASF/SF2-associated Protein, p32. <i>Journal of Biological Chemistry</i> , 1996, 271, 10066-10072.	1.6	81
84	siRNA Nanoparticle Functionalization of Nanostructured Scaffolds Enables Controlled Multilineage Differentiation of Stem Cells. <i>Molecular Therapy</i> , 2010, 18, 2018-2027.	3.7	81
85	Ratjadones inhibit nuclear export by blocking CRM1/exportin 1. <i>Experimental Cell Research</i> , 2003, 286, 321-331.	1.2	80
86	A DNA-Programmed Liposome Fusion Cascade. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13228-13231.	7.2	80
87	MicroRNA expression profiling of carcinoma in situ cells of the testis. <i>Endocrine-Related Cancer</i> , 2012, 19, 365-379.	1.6	79
88	The sequence complementarity between HIV-1 5' splice site SD4 and U1 snRNA determines the steady-state level of an unstable env pre-mRNA. <i>Rna</i> , 2001, 7, 421-434.	1.6	78
89	Chitosan/siRNA Nanoparticles Biofunctionalize Nerve Implants and Enable Neurite Outgrowth. <i>Nano Letters</i> , 2010, 10, 3933-3939.	4.5	78
90	Evaluating the accuracy of SHAPE-directed RNA secondary structure predictions. <i>Nucleic Acids Research</i> , 2013, 41, 2807-2816.	6.5	77

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91	Role of the Trans-activation Response Element in Dimerization of HIV-1 RNA. <i>Journal of Biological Chemistry</i> , 2004, 279, 22243-22249.	1.6	76
92	Archaeal rRNA operons. <i>Trends in Biochemical Sciences</i> , 1991, 16, 22-26.	3.7	75
93	Defining a 5' splice site by functional selection in the presence and absence of U1 snRNA 5' end. <i>Rna</i> , 2002, 8, 166-179.	1.6	75
94	The RNA Atlas expands the catalog of human non-coding RNAs. <i>Nature Biotechnology</i> , 2021, 39, 1453-1465.	9.4	75
95	Chitosan/siRNA Nanoparticles Targeting Cyclooxygenase Type 2 Attenuate Unilateral Ureteral Obstruction-induced Kidney Injury in Mice. <i>Theranostics</i> , 2015, 5, 110-123.	4.6	72
96	Specificity of Watson-Crick Base Pairing on a Solid Surface Studied at the Atomic Scale. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9673-9676.	7.2	71
97	Aberrant expression of miR-218 and miR-204 in human mesial temporal lobe epilepsy and hippocampal sclerosis: Convergence on axonal guidance. <i>Epilepsia</i> , 2014, 55, 2017-2027.	2.6	71
98	Folic acid conjugated chitosan for targeted delivery of siRNA to activated macrophages in vitro and in vivo. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8608-8615.	2.9	69
99	Evidence of Stranski-Krastanov growth at the initial stage of atmospheric water condensation. <i>Nature Communications</i> , 2014, 5, 4837.	5.8	68
100	DNA nanovehicles and the biological barriers. <i>Advanced Drug Delivery Reviews</i> , 2016, 106, 183-191.	6.6	66
101	Protection and Systemic Translocation of siRNA Following Oral Administration of Chitosan/siRNA Nanoparticles. <i>Molecular Therapy - Nucleic Acids</i> , 2013, 2, e76.	2.3	65
102	Ribosomal RNA introns in archaea and evidence for RNA conformational changes associated with splicing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 439-443.	3.3	63
103	MicroRNA-137 promoter methylation in oral lichen planus and oral squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2013, 42, 315-321.	1.4	63
104	Unconditioned commercial embryo culture media contain a large variety of non-declared proteins: a comprehensive proteomics analysis. <i>Human Reproduction</i> , 2014, 29, 2421-2430.	0.4	63
105	Accumulation of magnetic iron oxide nanoparticles coated with variably sized polyethylene glycol in murine tumors. <i>Nanoscale</i> , 2012, 4, 2352.	2.8	61
106	Efficient inhibition of HIV-1 expression by LNA modified antisense oligonucleotides and DNAzymes targeted to functionally selected binding sites. <i>Retrovirology</i> , 2007, 4, 29.	0.9	60
107	Bioactive coronary stent coating based on layer-by-layer technology for siRNA release. <i>Acta Biomaterialia</i> , 2013, 9, 6741-6752.	4.1	60
108	Argonaute-associated short introns are a novel class of gene regulators. <i>Nature Communications</i> , 2016, 7, 11538.	5.8	59

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109	Inefficient Spliceosome Assembly and Abnormal Branch Site Selection in Splicing of an HIV-1 Transcript in Vitro. <i>Journal of Biological Chemistry</i> , 1995, 270, 24060-24066.	1.6	58
110	The strength of the HIV-1 3' splice sites affects Rev function. <i>Retrovirology</i> , 2006, 3, 89.	0.9	58
111	A serum-stable RNA aptamer specific for SARS-CoV-2 neutralizes viral entry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	58
112	Best practice standards for circular RNA research. <i>Nature Methods</i> , 2022, 19, 1208-1220.	9.0	58
113	Molecular strategies to inhibit HIV-1 replication. <i>Retrovirology</i> , 2005, 2, 10.	0.9	57
114	Endosomal Trafficking of HIV-1 Gag and Genomic RNAs Regulates Viral Egress. <i>Journal of Biological Chemistry</i> , 2009, 284, 19727-19743.	1.6	57
115	Intraperitoneal administration of chitosan/DsiRNA nanoparticles targeting TNF α prevents radiation-induced fibrosis. <i>Radiotherapy and Oncology</i> , 2010, 97, 143-148.	0.3	57
116	A distant cis acting intronic element induces site-selective RNA editing. <i>Nucleic Acids Research</i> , 2012, 40, 9876-9886.	6.5	56
117	Fabrication and characterization of a rapid prototyped tissue engineering scaffold with embedded multicomponent matrix for controlled drug release. <i>International Journal of Nanomedicine</i> , 2012, 7, 4285.	3.3	56
118	SF2/ASF binds to a splicing enhancer in the third HIV-1 tat exon and stimulates U2AF binding independently of the RS domain 1 Edited by J. Karn. <i>Journal of Molecular Biology</i> , 2001, 312, 649-662.	2.0	55
119	Single Molecule Atomic Force Microscopy Studies of Photosensitized Singlet Oxygen Behavior on a DNA Origami Template. <i>ACS Nano</i> , 2010, 4, 7475-7480.	7.3	55
120	Quantification of cellular uptake of DNA nanostructures by qPCR. <i>Methods</i> , 2014, 67, 193-197.	1.9	54
121	Gene organization, transcription signals and processing of the single ribosomal RNA operon of the archaeobacterium <i>Thermoproteus tenax</i> . <i>Nucleic Acids Research</i> , 1987, 15, 4821-4835.	6.5	53
122	Surface functionalisation of PLGA nanoparticles for gene silencing. <i>Biomaterials</i> , 2010, 31, 5671-5677.	5.7	53
123	Direct Force Measurements between siRNA and Chitosan Molecules Using Force Spectroscopy. <i>Biophysical Journal</i> , 2007, 93, 952-959.	0.2	52
124	MicroRNA Functionalized Microporous Titanium Oxide Surface by Lyophilization with Enhanced Osteogenic Activity. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2733-2744.	4.0	52
125	Circulating miRNAs as biomarkers for oral squamous cell carcinoma recurrence in operated patients. <i>Oncotarget</i> , 2017, 8, 8206-8214.	0.8	52
126	Perylene Attached to 2'-Amino-LNA: Synthesis, Incorporation into Oligonucleotides, and Remarkable Fluorescence Properties in Vitro and in Cell Culture. <i>Bioconjugate Chemistry</i> , 2008, 19, 1995-2007.	1.8	51

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127	Ultrastable green fluorescence carbon dots with a high quantum yield for bioimaging and use as theranostic carriers. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4577-4584.	2.9	51
128	Synthesis of 2'-O-modified adenosine building blocks and application for RNA interference. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 518-529.	1.4	50
129	Chemical Modification of Small Interfering RNA. <i>Methods in Molecular Biology</i> , 2011, 721, 77-103.	0.4	49
130	Chitosan Hydrogel as siRNA vector for prolonged gene silencing. <i>Journal of Nanobiotechnology</i> , 2014, 12, 23.	4.2	49
131	Enhanced efficacy of chemotherapy for breast cancer stem cells by simultaneous suppression of multidrug resistance and antiapoptotic cellular defense. <i>Acta Biomaterialia</i> , 2015, 28, 171-182.	4.1	49
132	Nanocarrier Stimuli-Activated Gene Delivery. <i>Small</i> , 2007, 3, 54-57.	5.2	48
133	Naked siRNA-Mediated Gene Silencing of Lung Bronchoepithelium EGFP Expression After Intravenous Administration. <i>Oligonucleotides</i> , 2009, 19, 163-168.	2.7	48
134	Functional Patterning of DNA Origami by Parallel Enzymatic Modification. <i>Bioconjugate Chemistry</i> , 2011, 22, 819-823.	1.8	47
135	PPfold 3.0: fast RNA secondary structure prediction using phylogeny and auxiliary data. <i>Bioinformatics</i> , 2012, 28, 2691-2692.	1.8	46
136	miRConnect: Identifying Effector Genes of miRNAs and miRNA Families in Cancer Cells. <i>PLoS ONE</i> , 2011, 6, e26521.	1.1	46
137	Dimerization and Template Switching in the 5' Untranslated Region between Various Subtypes of Human Immunodeficiency Virus Type 1. <i>Journal of Virology</i> , 2003, 77, 3020-3030.	1.5	45
138	Supramolecular Porous Network Formed by Molecular Recognition between Chemically Modified Nucleobases Guanine and Cytosine. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9373-9377.	7.2	45
139	Pluronic F127-Folate Coated Super Paramagnetic Iron Oxide Nanoparticles as Contrast Agent for Cancer Diagnosis in Magnetic Resonance Imaging. <i>Polymers</i> , 2019, 11, 743.	2.0	45
140	Comparison of transfer RNA and ribosomal RNA intron splicing in the extreme thermophile and archaeobacterium <i>Desulfurococcus mobilis</i> . <i>Canadian Journal of Microbiology</i> , 1989, 35, 210-214.	0.8	44
141	Polycation-based nanoparticle delivery for improved RNA interference therapeutics. <i>Expert Opinion on Biological Therapy</i> , 2007, 7, 1811-1822.	1.4	44
142	Intracellular siRNA and precursor miRNA trafficking using bioresponsive copolypeptides. <i>Journal of Gene Medicine</i> , 2008, 10, 81-93.	1.4	43
143	Bioresponsive hyperbranched polymers for siRNA and miRNA delivery. <i>Journal of Drug Targeting</i> , 2010, 18, 812-820.	2.1	43
144	Genetically Encoded, Functional Single-Strand RNA Origami: Anticoagulant. <i>Advanced Materials</i> , 2019, 31, e1808262.	11.1	43

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145	Cellular uptake of covalent and non-covalent DNA nanostructures with different sizes and geometries. <i>Nanoscale</i> , 2019, 11, 10808-10818.	2.8	42
146	Regulated HIV-2 RNA dimerization by means of alternative RNA conformations. <i>Nucleic Acids Research</i> , 2002, 30, 2647-2655.	6.5	41
147	MicroRNA cloning and sequencing in osteosarcoma cell lines: differential role of miR-93. <i>Cellular Oncology (Dordrecht)</i> , 2012, 35, 29-41.	2.1	41
148	Enzymatic Ligation of Large Biomolecules to DNA. <i>ACS Nano</i> , 2013, 7, 8098-8104.	7.3	41
149	A systems approach delivers a functional microRNA catalog and expanded targets for seizure suppression in temporal lobe epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15977-15988.	3.3	41
150	The Dimer Initiation Site Hairpin Mediates Dimerization of the Human Immunodeficiency Virus, Type 2 RNA Genome. <i>Journal of Biological Chemistry</i> , 2001, 276, 32345-32352.	1.6	40
151	Theranostic Niosomes for Efficient siRNA/MicroRNA Delivery and Activatable Near-Infrared Fluorescent Tracking of Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19494-19503.	4.0	40
152	Peptide-oligonucleotide conjugates as nanoscale building blocks for assembly of an artificial three-helix protein mimic. <i>Nature Communications</i> , 2016, 7, 12294.	5.8	39
153	Fatty Acid-Modified Gapmer Antisense Oligonucleotide and Serum Albumin Constructs for Pharmacokinetic Modulation. <i>Molecular Therapy</i> , 2017, 25, 1710-1717.	3.7	39
154	Spatio-temporal regulation of ADAR editing during development in porcine neural tissues. <i>RNA Biology</i> , 2012, 9, 1054-1065.	1.5	38
155	Theranostic tumor targeted nanoparticles combining drug delivery with dual near infrared and 19 F magnetic resonance imaging modalities. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1873-1884.	1.7	38
156	Enhancing the antibacterial efficacy of isoeugenol by emulsion encapsulation. <i>International Journal of Food Microbiology</i> , 2016, 229, 7-14.	2.1	38
157	SMARTer single cell total RNA sequencing. <i>Nucleic Acids Research</i> , 2019, 47, e93-e93.	6.5	38
158	Tools for the production and purification of full-length, N- or C-terminal 32P-labeled protein, applied to HIV-1 Gag and Rev. <i>Gene</i> , 1995, 162, 235-237.	1.0	37
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