

# JÃ,rgen Kjems

## List of Publications by Year in descending order

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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	Functionalized Acyclic (<sc>I</sc>)â€¢Threoninol Nucleic Acid Fourâ€¢Way Junction with High Stability In Vitro and In Vivo. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	7
2	The Role of Plasma Extracellular Vesicles in Remote Ischemic Conditioning and Exercise-Induced Ischemic Tolerance. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3334.	1.8	7
3	Best practice standards for circular RNA research. <i>Nature Methods</i> , 2022, 19, 1208-1220.	9.0	58
4	Characterization of circular RNA transcriptomes in psoriasis and atopic dermatitis reveals diseaseâ€¢specific expression profiles. <i>Experimental Dermatology</i> , 2021, 30, 1187-1196.	1.4	33
5	Distinct circular RNA expression profiles in pediatric ependymomas. <i>Brain Pathology</i> , 2021, 31, 387-392.	2.1	18
6	Enrichment of Circular RNA Expression Dereglulation at the Transition to Recurrent Spontaneous Seizures in Experimental Temporal Lobe Epilepsy. <i>Frontiers in Genetics</i> , 2021, 12, 627907.	1.1	13
7	Genome-Wide Circular RNA Expression Patterns Reflect Resistance to Immunomodulatory Drugs in Multiple Myeloma Cells. <i>Cancers</i> , 2021, 13, 365.	1.7	19
8	The RNA Atlas expands the catalog of human non-coding RNAs. <i>Nature Biotechnology</i> , 2021, 39, 1453-1465.	9.4	75
9	Cyclic Hypoxia Conditioning Alters the Content of Myoblast-Derived Extracellular Vesicles and Enhances Their Cell-Protective Functions. <i>Biomedicines</i> , 2021, 9, 1211.	1.4	4
10	An engineered CD81â€¢based combinatorial library for selecting recombinant binders to cell surface proteins: Laminin binding CD81 enhances cellular uptake of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12139.	5.5	9
11	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
12	Comprehensive analysis of soluble RNAs in human embryo culture media and blastocoel fluid. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 2199-2209.	1.2	6
13	Improved Cancer Targeting by Multimerizing Aptamers on Nanoscaffolds. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 22, 994-1003.	2.3	14
14	LifeTime and improving European healthcare through cell-based interceptive medicine. <i>Nature</i> , 2020, 587, 377-386.	13.7	108
15	Biosynthesis of Circular RNA ciRS-7/CDR1as Is Mediated by Mammalian-wide Interspersed Repeats. <i>IScience</i> , 2020, 23, 101345.	1.9	25
16	Modulation of Small RNA Signatures in Schwann-Cell-Derived Extracellular Vesicles by the p75 Neurotrophin Receptor and Sortilin. <i>Biomedicines</i> , 2020, 8, 450.	1.4	14
17	Linking the association between circRNAs and Alzheimerâ€¢s disease progression by multi-tissue circular RNA characterization. <i>RNA Biology</i> , 2020, 17, 1789-1797.	1.5	30
18	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

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19	Introduction of an Aldehyde Handle on Nanobodies by Affinity-Guided Labeling. <i>Bioconjugate Chemistry</i> , 2020, 31, 1295-1300.	1.8	9
20	An RNA Origami Octahedron with Intrinsic siRNAs for Potent Gene Knockdown. <i>Biotechnology Journal</i> , 2019, 14, e1700634.	1.8	30
21	The biogenesis, biology and characterization of circular RNAs. <i>Nature Reviews Genetics</i> , 2019, 20, 675-691.	7.7	2,832
22	Lipidoid-siRNA Nanoparticle-Mediated IL-1 $\beta$ Gene Silencing for Systemic Arthritis Therapy in a Mouse Model. <i>Molecular Therapy</i> , 2019, 27, 1424-1435.	3.7	34
23	Peptide-Directed DNA-Templated Protein Labelling for The Assembly of a Pseudo-IgM. <i>Angewandte Chemie</i> , 2019, 131, 9166-9170.	1.6	7
24	448 A comprehensive analysis of coding and non coding transcriptomic changes in cutaneous squamous cell carcinoma. <i>Journal of Investigative Dermatology</i> , 2019, 139, S292.	0.3	0
25	SMARTer single cell total RNA sequencing. <i>Nucleic Acids Research</i> , 2019, 47, e93-e93.	6.5	38
26	Electrical stimulation of the ventral hippocampal commissure delays experimental epilepsy and is associated with altered microRNA expression. <i>Brain Stimulation</i> , 2019, 12, 1390-1401.	0.7	10
27	A self-assembled, modular nucleic acid-based nanoscaffold for multivalent theranostic medicine. <i>Theranostics</i> , 2019, 9, 2662-2677.	4.6	13
28	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
29	Cellular uptake of covalent and non-covalent DNA nanostructures with different sizes and geometries. <i>Nanoscale</i> , 2019, 11, 10808-10818.	2.8	42
30	Peptide-Directed DNA-Templated Protein Labelling for The Assembly of a Pseudo-IgM. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9068-9072.	7.2	30
31	Isolating, Sequencing and Analyzing Extracellular MicroRNAs from Human Mesenchymal Stem Cells. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	1
32	Genetically Encoded, Functional Single-Strand RNA Origami: Anticoagulant. <i>Advanced Materials</i> , 2019, 31, e1808262.	11.1	43
33	Single molecule analysis of structural fluctuations in DNA nanostructures. <i>Nanoscale</i> , 2019, 11, 18475-18482.	2.8	9
34	Enhanced Catalysis from Multienzyme Cascades Assembled on a DNA Origami Triangle. <i>ACS Nano</i> , 2019, 13, 13677-13689.	7.3	100
35	Selective Delivery of Doxorubicin to EGFR <sup>+</sup> Cancer Cells by Cetuximab-DNA Conjugates. <i>ChemBioChem</i> , 2019, 20, 1014-1018.	1.3	19
36	Strontium functionalized scaffold for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2019, 94, 509-515.	3.8	27

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37	Circular RNAs as novel regulators of $\beta$ -cell functions in normal and disease conditions. <i>Molecular Metabolism</i> , 2018, 9, 69-83.	3.0	170
38	Calcium $\mu$ MicroRNA Complex-Functionalized Nanotubular Implant Surface for Highly Efficient Transfection and Enhanced Osteogenesis of Mesenchymal Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 7756-7764.	4.0	20
39	Novel Brassinosteroid-Modified Polyethylene Glycol Micelles for Controlled Release of Agrochemicals. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1612-1619.	2.4	23
40	Global MicroRNA Profiling in Human Bone Marrow Skeletal $\mu$ Stromal or Mesenchymal $\mu$ Stem Cells Identified Candidates for Bone Regeneration. <i>Molecular Therapy</i> , 2018, 26, 593-605.	3.7	37
41	Circular RNAs are abundantly expressed and upregulated during human epidermal stem cell differentiation. <i>RNA Biology</i> , 2018, 15, 280-291.	1.5	137
42	Circular RNAs in cancer: opportunities and challenges in the field. <i>Oncogene</i> , 2018, 37, 555-565.	2.6	1,102
43	Bioactive nano $\mu$ fibrous scaffold for vascularized craniofacial bone regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e1537-e1548.	1.3	34
44	Antibacterial isoeugenol coating on stainless steel and polyethylene surfaces prevents biofilm growth. <i>Journal of Applied Microbiology</i> , 2018, 124, 179-187.	1.4	17
45	Enhanced Tailored MicroRNA Sponge Activity of RNA Pol II-Transcribed TuD Hairpins Relative to Ectopically Expressed ciRS7-Derived circRNAs. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 13, 365-375.	2.3	10
46	Caveolae-mediated mesenchymal stem cell labelling by PSS-coated PLGA PFOB nano-contrast agent for MRI. <i>Theranostics</i> , 2018, 8, 2657-2671.	4.6	17
47	Theranostic Niosomes for Efficient siRNA/MicroRNA Delivery and Activatable Near-Infrared Fluorescent Tracking of Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 19494-19503.	4.0	40
48	A Modified Monomeric Red Fluorescent Protein Reporter for Assessing CRISPR Activity. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 54.	1.8	6
49	Enzyme-free digital counting of endogenous circular RNA molecules in B-cell malignancies. <i>Laboratory Investigation</i> , 2018, 98, 1657-1669.	1.7	93
50	Small-Molecule Probes for Affinity-Guided Introduction of Biocompatible Handles on Metal-Binding Proteins. <i>Bioconjugate Chemistry</i> , 2018, 29, 3016-3025.	1.8	16
51	Abstract LB-394: Profiling of endogenous circular RNA molecules in formalin-fixed paraffin-embedded tissues from patients with B-cell malignancies using an enzyme-free digital counting method. , 2018, , .		0
52	RNA sequencing of synaptic and cytoplasmic Upf1-bound transcripts supports contribution of nonsense-mediated decay to epileptogenesis. <i>Scientific Reports</i> , 2017, 7, 41517.	1.6	16
53	A microRNA $\mu$ 129 $\mu$ 5p/Rbfox crosstalk coordinates homeostatic downscaling of excitatory synapses. <i>EMBO Journal</i> , 2017, 36, 1770-1787.	3.5	85
54	Complexes of DNA with fluorescent dyes are effective reagents for detection of autoimmune antibodies. <i>Scientific Reports</i> , 2017, 7, 1925.	1.6	17

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55	A DNA-Programmed Liposome Fusion Cascade. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13228-13231.	7.2	80
56	Investigating the Cellular Specificity in Tumors of a Surface-Converting Nanoparticle by Multimodal Imaging. <i>Bioconjugate Chemistry</i> , 2017, 28, 1413-1421.	1.8	13
57	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 &amp; Interfaces</i> , 2017, 9, 12203-12216.	4.0	92
58	The utility of DNA nanostructures for drug delivery <i>in vivo</i> . <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 137-139.	2.4	16
59	Insights into circular RNA biology. <i>RNA Biology</i> , 2017, 14, 1035-1045.	1.5	362
60	Control of enzyme reactions by a reconfigurable DNA nanovault. <i>Nature Communications</i> , 2017, 8, 992.	5.8	160
61	Theranostic poly(lactic-co-glycolic acid) nanoparticle for magnetic resonance/infrared fluorescence bimodal imaging and efficient siRNA delivery to macrophages and its evaluation in a kidney injury model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2451-2462.	1.7	27
62	New Fluorescent Nanoparticles for Ultrasensitive Detection of Nucleic Acids by Optical Methods. <i>ChemBioChem</i> , 2017, 18, 1599-1603.	1.3	3
63	Construction of a Polyhedral DNA 12-Arm Junction for Self-Assembly of Wireframe DNA Lattices. <i>ACS Nano</i> , 2017, 11, 9041-9047.	7.3	18
64	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
65	Fatty Acid-Modified Gapmer Antisense Oligonucleotide and Serum Albumin Constructs for Pharmacokinetic Modulation. <i>Molecular Therapy</i> , 2017, 25, 1710-1717.	3.7	39
66	Antimicrobial effect of emulsion-encapsulated isoeugenol against biofilms of food pathogens and spoilage bacteria. <i>International Journal of Food Microbiology</i> , 2017, 242, 7-12.	2.1	37
67	The emerging landscape of circular RNA in life processes. <i>RNA Biology</i> , 2017, 14, 992-999.	1.5	328
68	Extracellular Vesicles Transfer the Receptor Programmed Death-1 in Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2017, 8, 851.	2.2	33
69	Cortical Morphogenesis during Embryonic Development Is Regulated by miR-34c and miR-204. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 31.	1.4	15
70	Circulating miRNAs as biomarkers for oral squamous cell carcinoma recurrence in operated patients. <i>Oncotarget</i> , 2017, 8, 8206-8214.	0.8	52
71	The invasion of circRNAs. <i>RNA Biology</i> , 2017, 14, 973-974.	1.5	1
72	Small RNA sequencing reveals metastasis-related microRNAs in lung adenocarcinoma. <i>Oncotarget</i> , 2017, 8, 27047-27061.	0.8	26

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73	Effects of Tween 80 on Growth and Biofilm Formation in Laboratory Media. <i>Frontiers in Microbiology</i> , 2016, 7, 1878.	1.5	105
74	Intracellular Delivery of a Planar DNA Origami Structure by the Transferrin- $\alpha$ Receptor Internalization Pathway. <i>Small</i> , 2016, 12, 2634-2640.	5.2	114
75	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
76	Interfacing DNA nanodevices with biology: challenges, solutions and perspectives. <i>New Journal of Physics</i> , 2016, 18, 085005.	1.2	17
77	In vivo drug release behavior and osseointegration of a doxorubicin-loaded tissue-engineered scaffold. <i>RSC Advances</i> , 2016, 6, 76237-76245.	1.7	9
78	Argonaute-associated short introns are a novel class of gene regulators. <i>Nature Communications</i> , 2016, 7, 11538.	5.8	59
79	MicroRNAs in epilepsy: pathophysiology and clinical utility. <i>Lancet Neurology</i> , The, 2016, 15, 1368-1376.	4.9	200
80	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
81	DNA nanovehicles and the biological barriers. <i>Advanced Drug Delivery Reviews</i> , 2016, 106, 183-191.	6.6	66
82	Enhancing the antibacterial efficacy of isoeugenol by emulsion encapsulation. <i>International Journal of Food Microbiology</i> , 2016, 229, 7-14.	2.1	38
83	Comparison of circular RNA prediction tools. <i>Nucleic Acids Research</i> , 2016, 44, e58-e58.	6.5	349
84	Mucin-mediated nanocarrier disassembly for triggered uptake of oligonucleotides as a delivery strategy for the potential treatment of mucosal tumours. <i>Nanoscale</i> , 2016, 8, 12599-12607.	2.8	10
85	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
86	Chitosan-coated poly(lactic-co-glycolic acid) perfluorooctyl bromide nanoparticles for cell labeling in 19F magnetic resonance imaging. <i>Carbohydrate Polymers</i> , 2016, 136, 936-944.	5.1	23
87	Circular RNAs: Identification, biogenesis and function. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 163-168.	0.9	469
88	MicroRNA Profiling in the Medial and Lateral Habenula of Rats Exposed to the Learned Helplessness Paradigm: Candidate Biomarkers for Susceptibility and Resilience to Inescapable Shock. <i>PLoS ONE</i> , 2016, 11, e0160318.	1.1	7
89	Chitosan/siRNA functionalized titanium surface via a layer-by-layer approach for in vitro sustained gene silencing and osteogenic promotion. <i>International Journal of Nanomedicine</i> , 2015, 10, 2335.	3.3	32
90	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

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91	Monitoring patterned enzymatic polymerization on DNA origami at single-molecule level. <i>Nanoscale</i> , 2015, 7, 10970-10973.	2.8	16
92	Full-length RNA structure prediction of the HIV-1 genome reveals a conserved core domain. <i>Nucleic Acids Research</i> , 2015, 43, gkv1039.	6.5	25
93	Characterisation of aptamer–target interactions by branched selection and high-throughput sequencing of SELEX pools. <i>Nucleic Acids Research</i> , 2015, 43, gkv700.	6.5	35
94	Spatio-temporal regulation of circular RNA expression during porcine embryonic brain development. <i>Genome Biology</i> , 2015, 16, 245.	3.8	422
95	Improvement of Distribution and Osteogenic Differentiation of Human Mesenchymal Stem Cells by Hyaluronic Acid and $\beta$ -Tricalcium Phosphate-Coated Polymeric Scaffold <i>In Vitro</i> . <i>BioResearch Open Access</i> , 2015, 4, 363-373.	2.6	28
96	Construction of a Fuzzy and Boolean Logic Gates Based on DNA. <i>Small</i> , 2015, 11, 1811-1817.	5.2	86
97	A tissue-engineered therapeutic device inhibits tumor growth in vitro and in vivo. <i>Acta Biomaterialia</i> , 2015, 18, 21-29.	4.1	22
98	Serum-induced degradation of 3D DNA box origami observed with high-speed atomic force microscopy. <i>Nano Research</i> , 2015, 8, 2170-2178.	5.8	24
99	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
100	Electroanalysis of pM-levels of urokinase plasminogen activator in serum by phosphorothioated RNA aptamer. <i>Analyst</i> , The, 2015, 140, 3794-3802.	1.7	35
101	Modular Assembly of Cell-targeting Devices Based on an Uncommon G-quadruplex Aptamer. <i>Molecular Therapy - Nucleic Acids</i> , 2015, 4, e251.	2.3	32
102	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
103	Co-delivery of siRNA and doxorubicin to cancer cells from additively manufactured implants. <i>RSC Advances</i> , 2015, 5, 101718-101725.	1.7	13
104	Theranostic carbon dots derived from garlic with efficient anti-oxidative effects towards macrophages. <i>RSC Advances</i> , 2015, 5, 97836-97840.	1.7	22
105	Macrophage-mediated nanoparticle delivery to the periodontal lesions in established murine model <i>via</i> $\beta$ -glucan LPS induction. <i>Journal of Oral Pathology and Medicine</i> , 2015, 44, 538-542.	1.4	9
106	Megalyn-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
107	miRidentify: high stringency miRNA predictor identifies several novel animal miRNAs. <i>Nucleic Acids Research</i> , 2014, 42, e124-e124.	6.5	21
108	Chitosan Hydrogel as siRNA vector for prolonged gene silencing. <i>Journal of Nanobiotechnology</i> , 2014, 12, 23.	4.2	49

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109	Aberrant expression of miRâ€218 and miRâ€204 in human mesial temporal lobe epilepsy and hippocampal sclerosisâ€ Convergence on axonal guidance. <i>Epilepsia</i> , 2014, 55, 2017-2027.	2.6	71
110	Fluorescence detection of natural RNA using rationally designed â€clickableâ€ oligonucleotide probes. <i>RSC Advances</i> , 2014, 4, 45653-45656.	1.7	8
111	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
112	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
113	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
114	Stable assembly of HIV-1 export complexes occurs cotranscriptionally. <i>Rna</i> , 2014, 20, 1-8.	1.6	33
115	Evidence of Stranskiâ€Krastanov growth at the initial stage of atmospheric water condensation. <i>Nature Communications</i> , 2014, 5, 4837.	5.8	68
116	Advances in targeted delivery of small interfering RNA using simple bioconjugates. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 791-822.	2.4	16
117	Quantification of cellular uptake of DNA nanostructures by qPCR. <i>Methods</i> , 2014, 67, 193-197.	1.9	54
118	Accumulation of nano-sized particles in a murine model of angiogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 470-476.	1.0	4
119	Functional Analyses Reveal Extensive RRE Plasticity in Primary HIV-1 Sequences Selected under Selective Pressure. <i>PLoS ONE</i> , 2014, 9, e106299.	1.1	4
120	Atomic-scale structures and interactions between the guanine quartet and potassium. <i>Chemical Communications</i> , 2013, 49, 7210.	2.2	26
121	miRConnect 2.0: identification of oncogenic, antagonistic miRNA families in three human cancers. <i>BMC Genomics</i> , 2013, 14, 179.	1.2	18
122	Targeting of peptide conjugated magnetic nanoparticles to urokinase plasminogen activator receptor (uPAR) expressing cells. <i>Nanoscale</i> , 2013, 5, 8192.	2.8	28
123	Enzymatic Ligation of Large Biomolecules to DNA. <i>ACS Nano</i> , 2013, 7, 8098-8104.	7.3	41
124	Directing HER4 mRNA expression towards the CYT2 isoform by antisense oligonucleotide decreases growth of breast cancer cells in vitro and in vivo. <i>British Journal of Cancer</i> , 2013, 108, 2291-2298.	2.9	27
125	A quencher-free molecular beacon design based on pyrene excimer fluorescence using pyrene-labeled UNA (unlocked nucleic acid). <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6186-6190.	1.4	28
126	MicroRNA Functionalized Microporous Titanium Oxide Surface by Lyophilization with Enhanced Osteogenic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 2733-2744.	4.0	52

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127	MicroRNA-128 Governs Neuronal Excitability and Motor Behavior in Mice. <i>Science</i> , 2013, 342, 1254-1258.	6.0	264
128	An Unusual Topological Structure of the HIV-1 Rev Response Element. <i>Cell</i> , 2013, 155, 594-605.	13.5	109
129	Circular RNA and miR-7 in Cancer. <i>Cancer Research</i> , 2013, 73, 5609-5612.	0.4	847
130	Self-assembled nanoparticles of modified-chitosan conjugates for the sustained release of dl- $\alpha$ -tocopherol. <i>Carbohydrate Polymers</i> , 2013, 92, 856-864.	5.1	23
131	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
132	RNA Aptamer-Based Electrochemical Biosensor for Selective and Label-Free Analysis of Dopamine. <i>Analytical Chemistry</i> , 2013, 85, 121-128.	3.2	184
133	Bioactive coronary stent coating based on layer-by-layer technology for siRNA release. <i>Acta Biomaterialia</i> , 2013, 9, 6741-6752.	4.1	60
134	Natural RNA circles function as efficient microRNA sponges. <i>Nature</i> , 2013, 495, 384-388.	13.7	6,415
135	Free radicals generated by tantalum implants antagonize the cytotoxic effect of doxorubicin. <i>International Journal of Pharmaceutics</i> , 2013, 448, 214-220.	2.6	6
136	N,O6-partially acetylated chitosan nanoparticles hydrophobically-modified for controlled release of steroids and vitamin E. <i>Carbohydrate Polymers</i> , 2013, 91, 143-151.	5.1	22
137	Biological Activity and Biotechnological Aspects of Locked Nucleic Acids. <i>Advances in Genetics</i> , 2013, 82, 47-107.	0.8	82
138	Spatially Controlled Delivery of siRNAs to Stem Cells in Implants Generated by Multi-Component Additive Manufacturing. <i>Advanced Functional Materials</i> , 2013, 23, 5599-5607.	7.8	19
139	Comparison of bacterial cells and amine-functionalized abiotic surfaces as support for Pd nanoparticle synthesis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 898-904.	2.5	19
140	A simple method for deriving functional MSCs and applied for osteogenesis in 3D scaffolds. <i>Scientific Reports</i> , 2013, 3, 2243.	1.6	108
141	Peritoneal macrophages mediated delivery of chitosan/siRNA nanoparticle to the lesion site in a murine radiation-induced fibrosis model. <i>Acta Oncologica</i> , 2013, 52, 1730-1738.	0.8	22
142	Evaluating the accuracy of SHAPE-directed RNA secondary structure predictions. <i>Nucleic Acids Research</i> , 2013, 41, 2807-2816.	6.5	77
143	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
144	Role of the primer activation signal in tRNA annealing onto the HIV-1 genome studied by single-molecule FRET microscopy. <i>Rna</i> , 2013, 19, 517-526.	1.6	14

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145	Optimized siRNA-PEG Conjugates for Extended Blood Circulation and Reduced Urine Excretion in Mice. <i>Theranostics</i> , 2013, 3, 201-209.	4.6	88
146	Novel Self-Assembled Nanoparticles of Testosterone-Modified Glycol Chitosan and Fructose Chitosan for Controlled Release. <i>Journal of Biomaterials and Tissue Engineering</i> , 2013, 3, 164-172.	0.0	3
147	Development of Therapeutic-Grade Small Interfering RNAs by Chemical Engineering. <i>Frontiers in Genetics</i> , 2012, 3, 154.	1.1	82
148	Spatio-temporal regulation of ADAR editing during development in porcine neural tissues. <i>RNA Biology</i> , 2012, 9, 1054-1065.	1.5	38
149	Oligonucleotide Delivery to the Lung: Waiting to Inhale. <i>Molecular Therapy - Nucleic Acids</i> , 2012, 1, e1.	2.3	11
150	MicroRNA expression profiling of carcinoma in situ cells of the testis. <i>Endocrine-Related Cancer</i> , 2012, 19, 365-379.	1.6	79
151	Microprocessor dynamics and interactions at endogenous imprinted C19MC microRNA genes. <i>Journal of Cell Science</i> , 2012, 125, 2709-20.	1.2	18
152	In vivo screening of modified siRNAs for non-specific antiviral effect in a small fish model: number and localization in the strands are important. <i>Nucleic Acids Research</i> , 2012, 40, 4653-4665.	6.5	14
153	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
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