

Johannes Winkler

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,281
citations

279778

23
h-index

223791

46
g-index

66
all docs

66
docs citations

66
times ranked

3924
citing authors

#	ARTICLE	IF	CITATIONS
1	Myocardial fibrosis: biomedical research from bench to bedside. <i>European Journal of Heart Failure</i> , 2017, 19, 177-191.	7.1	280
2	Going beyond the liver: Progress and challenges of targeted delivery of siRNA therapeutics. <i>Journal of Controlled Release</i> , 2015, 203, 1-15.	9.9	240
3	miRNA-based therapies: strategies and delivery platforms for oligonucleotide and non-oligonucleotide agents. <i>Future Medicinal Chemistry</i> , 2014, 6, 1967-1984.	2.3	229
4	Global position paper on cardiovascular regenerative medicine. <i>European Heart Journal</i> , 2017, 38, 2532-2546.	2.2	133
5	Preclinical development of a miR-132 inhibitor for heart failure treatment. <i>Nature Communications</i> , 2020, 11, 633.	12.8	123
6	Oligonucleotide conjugates for therapeutic applications. <i>Therapeutic Delivery</i> , 2013, 4, 791-809.	2.2	117
7	Preclinical Studies of Stem Cell Therapy for Heart Disease. <i>Circulation Research</i> , 2018, 122, 1006-1020.	4.5	104
8	Influence of diverse chemical modifications on the ADME characteristics and toxicology of antisense oligonucleotides. <i>Expert Opinion on Biological Therapy</i> , 2013, 13, 875-888.	3.1	97
9	EpCAM-targeted delivery of nanocomplexed siRNA to tumor cells with designed ankyrin repeat proteins. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 2674-2683.	4.1	85
10	Off-Target Effects Related to the Phosphorothioate Modification of Nucleic Acids. <i>ChemMedChem</i> , 2010, 5, 1344-1352.	3.2	73
11	CDR132L improves systolic and diastolic function in a large animal model of chronic heart failure. <i>European Heart Journal</i> , 2021, 42, 192-201.	2.2	70
12	Effects of NMDA receptor modulators on a blood-brain barrier in vitro model. <i>Brain Research</i> , 2011, 1394, 49-61.	2.2	48
13	Large Animal Models of Heart Failure With Reduced Ejection Fraction (HFrEF). <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 117.	2.4	35
14	Sequential activation of different pathway networks in ischemia-affected and non-affected myocardium, inducing intrinsic remote conditioning to prevent left ventricular remodeling. <i>Scientific Reports</i> , 2017, 7, 43958.	3.3	33
15	Porcine model of progressive cardiac hypertrophy and fibrosis with secondary postcapillary pulmonary hypertension. <i>Journal of Translational Medicine</i> , 2017, 15, 202.	4.4	33
16	Liposomal doxorubicin attenuates cardiotoxicity via induction of interferon-related DNA damage resistance. <i>Cardiovascular Research</i> , 2020, 116, 970-982.	3.8	32
17	Oligonucleotide-polyamine conjugates: Influence of length and position of 2'-attached polyamines on duplex stability and antisense effect. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 670-677.	5.5	31
18	A proteomic study reveals unspecific apoptosis induction and reduction of glycolytic enzymes by the phosphorothioate antisense oligonucleotide oblimersen in human melanoma cells. <i>Journal of Proteomics</i> , 2009, 72, 1019-1030.	2.4	28

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19	Nanomedicines based on recombinant fusion proteins for targeting therapeutic siRNA oligonucleotides. <i>Therapeutic Delivery</i> , 2011, 2, 891-905.	2.2	28
20	Chemically defined polyethylene glycol siRNA conjugates with enhanced gene silencing effect. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2320-2326.	3.0	28
21	Effect of Ischemic Preconditioning and Postconditioning on Exosome-Rich Fraction microRNA Levels, in Relation with Electrophysiological Parameters and Ventricular Arrhythmia in Experimental Closed-Chest Reperfused Myocardial Infarction. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2140.	4.1	28
22	2- <i>O</i> -Lysylaminoethyl Oligonucleotides: Modifications for Antisense and siRNA. <i>ChemMedChem</i> , 2008, 3, 102-110.	3.2	27
23	Oligonucleotides conjugated with short chemically defined polyethylene glycol chains are efficient antisense agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5758-5761.	2.2	25
24	Therapeutic oligonucleotides with polyethylene glycol modifications. <i>Future Medicinal Chemistry</i> , 2015, 7, 1721-1731.	2.3	24
25	Association between Circular RNA CDR1as and Post-Infarction Cardiac Function in Pig Ischemic Heart Failure: Influence of the Anti-Fibrotic Natural Compounds Bufalin and Lycorine. <i>Biomolecules</i> , 2020, 10, 1180.	4.0	23
26	A novel concept for ligand attachment to oligonucleotides via a 2'-succinyl linker. <i>Nucleic Acids Research</i> , 2004, 32, 710-718.	14.5	21
27	Triterpenic Acids from Apple Pomace Enhance the Activity of the Endothelial Nitric Oxide Synthase (eNOS). <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 185-194.	5.2	21
28	Oligonucleotides Conjugated to Short Lysine Chains. <i>Bioconjugate Chemistry</i> , 2005, 16, 1038-1044.	3.6	20
29	Zwitterionic Oligonucleotides: A Study on Binding Properties of 2- <i>O</i> -Aminoethyl Modifications. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 1167-1185.	1.1	19
30	Blood-brain barrier cell line PBMEC/C1-2 possesses functionally active P-glycoprotein. <i>Neuroscience Letters</i> , 2010, 469, 224-228.	2.1	19
31	Molecular Imaging of Angiogenesis in Cardiac Regeneration. <i>Current Cardiovascular Imaging Reports</i> , 2016, 9, 27.	0.6	17
32	Matrix Metalloproteinase-2 Impairs Homing of Intracoronary Delivered Mesenchymal Stem Cells in a Porcine Reperfused Myocardial Infarction: Comparison With Intramyocardial Cell Delivery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 35.	4.1	14
33	Characterization of Glucocerebrosides and the Active Metabolite 4,8-Sphingadienine from <i>Arisaema amurense</i> and <i>Pinellia ternata</i> by NMR and CD Spectroscopy and ESI-MS/CID-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 7204-7210.	5.2	13
34	Fluorescence- and computed tomography for assessing the biodistribution of siRNA after intratracheal application in mice. <i>International Journal of Pharmaceutics</i> , 2017, 525, 359-366.	5.2	12
35	Concise postsynthetic preparation of oligonucleotide-oligopeptide conjugates through facile disulfide bond formation. <i>Future Medicinal Chemistry</i> , 2015, 7, 1657-1673.	2.3	10
36	Transcriptional Alterations by Ischaemic Postconditioning in a Pig Infarction Model: Impact on Microvascular Protection. <i>International Journal of Molecular Sciences</i> , 2019, 20, 344.	4.1	10

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37	Targeted delivery and endosomal cellular uptake of DARPIn-siRNA bioconjugates: Influence of linker stability on gene silencing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 141, 37-50.	4.3	10
38	Fragment-based solid-phase assembly of oligonucleotide conjugates with peptide and polyethylene glycol ligands. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 132-142.	5.5	9
39	MiR-21, MiR-29a, GATA4, and MEF2c Expression Changes in Endothelin-1 and Angiotensin II Cardiac Hypertrophy Stimulated Isl-1+Sca-1+c-kit+ Porcine Cardiac Progenitor Cells In Vitro. <i>Cells</i> , 2019, 8, 1416.	4.1	9
40	Heart Failure With Reduced Ejection Fraction Is Characterized by Systemic NEP Downregulation. <i>JACC Basic To Translational Science</i> , 2020, 5, 715-726.	4.1	9
41	Quantitative Hybrid Cardiac [18F]FDG-PET-MRI Images for Assessment of Cardiac Repair by Preconditioned Cardiosphere-Derived Cells. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 18, 354-366.	4.1	9
42	Off-Target Effects and Safety Aspects of Phosphorothioate Oligonucleotides. <i>RNA Technologies</i> , 2012, , 67-83.	0.3	8
43	Secundarellone A, B, and C from the leaves of <i>Justicia secunda</i> VAHL. <i>Phytochemistry Letters</i> , 2014, 10, cxxix-cxxxii.	1.2	7
44	Critical evaluation of quantification methods for oligonucleotides formulated in lipid nanoparticles. <i>International Journal of Pharmaceutics</i> , 2018, 548, 793-802.	5.2	7
45	Long-term regulation of gene expression in muscle cells by systemically delivered siRNA. <i>Journal of Controlled Release</i> , 2017, 256, 101-113.	9.9	6
46	Inhibition of CD34+ cell migration by matrix metalloproteinase-2 during acute myocardial ischemia, counteracted by ischemic preconditioning. <i>F1000Research</i> , 2016, 5, 2739.	1.6	6
47	Comparative Effect of MSC Secretome to MSC Co-culture on Cardiomyocyte Gene Expression Under Hypoxic Conditions in vitro. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 502213.	4.1	5
48	Intrinsic remote conditioning of the myocardium as a comprehensive cardiac response to ischemia and reperfusion. <i>Oncotarget</i> , 2017, 8, 67227-67240.	1.8	5
49	?-Methyl-2-amino-2,3-dideoxyribofuranoside, a Novel Building Block for Backbone Modified Antisense Oligonucleotides. <i>Monatshefte für Chemie</i> , 2004, 135, 109-116.	1.8	4
50	Oligonucleotide Charge Reversal: 2'-O-Lysylaminohexyl Modified Oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 939-942.	1.1	4
51	Isolation of eudesmanes from <i>Pluchea odorata</i> and evaluation of their effects on cancer cell growth and tumor invasiveness in vitro. <i>Phytochemistry</i> , 2017, 141, 37-47.	2.9	4
52	Extrahepatic Targeting of Oligonucleotides with Receptor-Binding Non-Immunoglobulin Scaffold Proteins. <i>Nucleic Acid Therapeutics</i> , 2018, 28, 137-145.	3.6	4
53	Early Elevation of Systemic Plasma Clusterin after Reperfused Acute Myocardial Infarction in a Preclinical Porcine Model of Ischemic Heart Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4591.	4.1	4
54	Novel Identified Circular Transcript of RCAN2, circ-RCAN2, Shows Deviated Expression Pattern in Pig Reperfused Infarcted Myocardium and Hypoxic Porcine Cardiac Progenitor Cells In Vitro. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1390.	4.1	4

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55	Inhibition of CD34+ cell migration by matrix metalloproteinase-2 during acute myocardial ischemia, counteracted by ischemic preconditioning. <i>F1000Research</i> , 2016, 5, 2739.	1.6	4
56	2â€²-O-Lysylaminohexyladenosine modified oligonucleotides. <i>Monatshefte FÃ¼r Chemie</i> , 2010, 141, 809-815.	1.8	3
57	Cardiac Stem Cell-based Regenerative Therapy for the Ischemic Injured Heart â€” a Short Update 2017. <i>Journal of Cardiovascular Emergencies</i> , 2017, 3, 81-83.	0.2	3
58	RNAi-Mediated Knockdown of Protein Expression. <i>Methods in Molecular Biology</i> , 2017, 1654, 351-360.	0.9	2
59	Cell-Based HIF1â„± Gene Therapy Reduces Myocardial Scar and Enhances Angiopoietic Proteome, Transcriptomic and miRNA Expression in Experimental Chronic Left Ventricular Dysfunction. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	4.1	1
60	Covalent Fluorophore Labeling of Oligonucleotides and Generation of Other Oligonucleotide Bioconjugates. <i>Methods in Molecular Biology</i> , 2019, 1943, 61-72.	0.9	0
61	Therapeutic strategies for modulating epigenetic mechanisms in cardiovascular disease. , 2021, , 349-373.		0
62	Reduced histologic neo in-stent restenosis after use of a paclitaxel-coated cutting balloon in porcine coronary arteries. <i>Histology and Histopathology</i> , 2020, 35, 653-663.	0.7	0