

Manfred Gossen

List of Publications by Year in descending order

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70
papers

12,657
citations

147801

31
h-index

98798

67
g-index

71
all docs

71
docs citations

71
times ranked

10137
citing authors

#	ARTICLE	IF	CITATIONS
1	Tight control of gene expression in mammalian cells by tetracycline-responsive promoters.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 5547-5551.	7.1	4,751
2	Transcriptional activation by tetracyclines in mammalian cells. <i>Science</i> , 1995, 268, 1766-1769.	12.6	2,391
3	Temporal control of gene expression in transgenic mice by a tetracycline-responsive promoter.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9302-9306.	7.1	756
4	Doxycycline-mediated quantitative and tissue-specific control of gene expression in transgenic mice.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 10933-10938.	7.1	742
5	Co-regulation of two gene activities by tetracycline via a bidirectional promoter. <i>Nucleic Acids Research</i> , 1995, 23, 3605-3606.	14.5	319
6	Global analysis of cellular protein translation by pulsed SILAC. <i>Proteomics</i> , 2009, 9, 205-209.	2.2	314
7	Tetracycline-controlled transcription in eukaryotes: novel transactivators with graded transactivation potential. <i>Nucleic Acids Research</i> , 1997, 25, 2723-2729.	14.5	307
8	Control of gene activity in higher eukaryotic cells by prokaryotic regulatory elements. <i>Trends in Biochemical Sciences</i> , 1993, 18, 471-475.	7.5	241
9	Studying Gene Function in Eukaryotes by Conditional Gene Inactivation. <i>Annual Review of Genetics</i> , 2002, 36, 153-173.	7.6	196
10	A chimeric transactivator allows tetracycline-responsive gene expression in whole plants. <i>Plant Journal</i> , 1994, 5, 559-569.	5.7	180
11	Improved Tet-responsive promoters with minimized background expression. <i>BMC Biotechnology</i> , 2010, 10, 81.	3.3	179
12	Inducible gene expression systems for higher eukaryotic cells. <i>Current Opinion in Biotechnology</i> , 1994, 5, 516-520.	6.6	175
13	A <i>Drosophila</i> Homolog of the Yeast Origin Recognition Complex. <i>Science</i> , 1995, 270, 1674-1677.	12.6	153
14	Stimulation of Cyclin-Dependent Kinase Activity and G 1 - to S-Phase Transition in Human Lymphocytes by the Human T-Cell Leukemia/Lymphotropic Virus Type 1 Tax Protein. <i>Journal of Virology</i> , 1998, 72, 633-640.	3.4	134
15	Generation of conditional mutants in higher eukaryotes by switching between the expression of two genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 1013-1018.	7.1	114
16	Anhydrotetracycline, a novel effector for tetracycline controlled gene expression systems in eukaryotic cells. <i>Nucleic Acids Research</i> , 1993, 21, 4411-4412.	14.5	104
17	[24] Tightly regulated and inducible expression of dominant interfering dynamin mutant in stably transformed HeLa cells. <i>Methods in Enzymology</i> , 1995, 257, 209-220.	1.0	103
18	A protocol for combined Photinus and Renilla luciferase quantification compatible with protein assays. <i>Analytical Biochemistry</i> , 2006, 356, 94-99.	2.4	99

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19	Assembly of functionally active <i>Drosophila</i> origin recognition complex from recombinant proteins. <i>Genes and Development</i> , 1999, 13, 1289-1296.	5.9	93
20	Epigenetic immune cell counting in human blood samples for immunodiagnostics. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	83
21	Inducible expression of coding and inhibitory RNAs from retargetable genomic loci. <i>Nucleic Acids Research</i> , 2009, 37, e50-e50.	14.5	71
22	Functional haplotypes of the RET proto-oncogene promoter are associated with Hirschsprung disease (HSCR). <i>Human Molecular Genetics</i> , 2003, 12, 3207-3214.	2.9	67
23	Separation of Origin Recognition Complex Functions by Cross-Species Complementation. <i>Science</i> , 1995, 270, 1671-1674.	12.6	59
24	Use of tetracycline-controlled gene expression systems to study mammalian cell cycle. <i>Methods in Enzymology</i> , 1997, 283, 159-173.	1.0	59
25	Adipose-derived human mesenchymal stem cells induce long-term neurogenic and anti-inflammatory effects and improve cognitive but not motor performance in a rat model of Parkinson's disease. <i>Regenerative Medicine</i> , 2015, 10, 431-446.	1.7	59
26	Homogeneity and persistence of transgene expression by omitting antibiotic selection in cell line isolation. <i>Nucleic Acids Research</i> , 2008, 36, e111-e111.	14.5	58
27	Engineering biodegradable micelles of polyethylenimine-based amphiphilic block copolymers for efficient DNA and siRNA delivery. <i>Journal of Controlled Release</i> , 2016, 242, 71-79.	9.9	47
28	A structural role for ATP in the formation and stability of the human origin recognition complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4864-4869.	7.1	44
29	Loss of methylation at the <i>IFNG</i> promoter and <i>CNS-1</i> is associated with the development of functional <i>IFN</i> ³ memory in human <i>CD</i> ⁴ <i>T</i> lymphocytes. <i>European Journal of Immunology</i> , 2013, 43, 793-804.	2.9	44
30	The Power of Reversibility. <i>Methods in Enzymology</i> , 2010, 477, 429-453.	1.0	38
31	Human adipose-derived mesenchymal stromal cells increase endogenous neurogenesis in the rat subventricular zone acutely after 6-hydroxydopamine lesioning. <i>Cytotherapy</i> , 2015, 17, 199-214.	0.7	38
32	Binding of <i>Drosophila</i> Orc Proteins to Anaphase Chromosomes Requires Cessation of Mitotic Cyclin-Dependent Kinase Activity. <i>Molecular and Cellular Biology</i> , 2009, 29, 140-149.	2.3	36
33	The Fibrodysplasia Ossificans Progressiva (FOP) mutation p.R206H in ACVR1 confers an altered ligand response. <i>Cellular Signalling</i> , 2017, 29, 23-30.	3.6	34
34	Identification of mammalian cell clones exhibiting highly regulated expression from inducible promoters. <i>Trends in Genetics</i> , 1995, 11, 219-220.	6.7	33
35	Promoter Crosstalk Effects on Gene Expression. <i>Journal of Molecular Biology</i> , 2007, 365, 911-920.	4.2	33
36	mRNA Transfection-Induced Activation of Primary Human Monocytes and Macrophages: Dependence on Carrier System and Nucleotide Modification. <i>Scientific Reports</i> , 2020, 10, 4181.	3.3	33

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37	Bio-instructive hydrogel expands the paracrine potency of mesenchymal stem cells. <i>Biofabrication</i> , 2021, 13, 045002.	7.1	32
38	Competition for DNA Binding Sites between the Short and Long Forms of E2 Dimers Underlies Repression in Bovine Papillomavirus Type 1 DNA Replication Control. <i>Journal of Virology</i> , 1998, 72, 1931-1940.	3.4	30
39	Photinus pyralis luciferase: vectors that contain a modified luc coding sequence allowing convenient transfer into other systems. <i>Gene</i> , 1994, 141, 75-77.	2.2	28
40	Stability and homogeneity of transgene expression in isogenic cells. <i>Journal of Molecular Medicine</i> , 2006, 84, 57-64.	3.9	26
41	Efficient generation of osteoclasts from human induced pluripotent stem cells and functional investigations of lethal CLCN7-related osteopetrosis. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1621-1635.	2.8	25
42	Different roles of the human Orc6 protein in the replication initiation process. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 3741-3756.	5.4	22
43	Streamlining Homogeneous Glycoprotein Production for Biophysical and Structural Applications by Targeted Cell Line Development. <i>PLoS ONE</i> , 2011, 6, e27829.	2.5	22
44	Tetracyclines in the control of gene expression in eukaryotes. , 2001, , 139-157.		21
45	Chemical modification of uridine modulates mRNA-mediated proinflammatory and antiviral response in primary human macrophages. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 854-869.	5.1	21
46	Generation of integration free induced pluripotent stem cells from fibrodysplasia ossificans progressiva (FOP) patients from urine samples. <i>Stem Cell Research</i> , 2016, 16, 54-58.	0.7	20
47	Site-specific chromosomal gene insertion: Flp recombinase versus Cas9 nuclease. <i>Scientific Reports</i> , 2017, 7, 17771.	3.3	17
48	Characterization of apoptosis-induced Mcm3 and Cdc6 cleavage reveals a proapoptotic effect for one Mcm3 fragment. <i>Cell Death and Differentiation</i> , 2004, 11, 940-942.	11.2	16
49	Tet-Transgenic Rodents: a comprehensive, up-to date database. <i>Transgenic Research</i> , 2013, 22, 251-254.	2.4	16
50	Influence of surface roughness on neural differentiation of human induced pluripotent stem cells. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 64, 355-366.	1.7	16
51	A novel selection strategy for antibody producing hybridoma cells based on a new transgenic fusion cell line. <i>Scientific Reports</i> , 2020, 10, 1664.	3.3	16
52	Glycoprotein production for structure analysis with stable, glycosylation mutant CHO cell lines established by fluorescence-activated cell sorting. <i>Protein Science</i> , 2010, 19, 1264-1271.	7.6	15
53	Polydepsipeptide Block-Stabilized Polyplexes for Efficient Transfection of Primary Human Cells. <i>Biomacromolecules</i> , 2017, 18, 3819-3833.	5.4	15
54	Turning fibroblasts into cardiomyocytes: technological review of cardiac transdifferentiation strategies. <i>FASEB Journal</i> , 2019, 33, 49-70.	0.5	14

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55	Control of gene activity in higher eukaryotic cells by prokaryotic regulatory elements. Trends in Biotechnology, 1994, 12, 58-62.	9.3	13
56	Integrin α 21 activation by micro-scale curvature promotes pro-angiogenic secretion of human mesenchymal stem cells. Journal of Materials Chemistry B, 2017, 5, 7415-7425.	5.8	13
57	Regenerative Medicine/Cardiac Cell Therapy: Pluripotent Stem Cells. Thoracic and Cardiovascular Surgeon, 2018, 66, 053-062.	1.0	13
58	Modes of TAL effector-mediated repression. Nucleic Acids Research, 2014, 42, 13061-13073.	14.5	10
59	Generation of a human induced pluripotent stem cell line (BIHi002-A) from a patient with CLCN7-related infantile malignant autosomal recessive osteopetrosis. Stem Cell Research, 2019, 35, 101367.	0.7	10
60	The Bovine Papillomavirus E2 Transactivator Is Stimulated by the E1 Initiator through the E2 Activation Domain. Virology, 2000, 270, 430-443.	2.4	9
61	Development of a BAC vector for integration-independent and tight regulation of transgenes in rodents via the Tet system. Transgenic Research, 2011, 20, 709-720.	2.4	8
62	Strategies for simultaneous and successive delivery of RNA. Journal of Molecular Medicine, 2020, 98, 1767-1779.	3.9	8
63	Limiting Transactivator Amounts Contribute to Transgene Mosaicism in Tet-On All-in-One Systems. ACS Synthetic Biology, 2022, 11, 2623-2635.	3.8	5
64	Conditional gene expression: Intelligent designs. Gene Therapy, 2006, 13, 1251-1252.	4.5	3
65	A High Content Screening Assay for Evaluation of Biomaterial-Mediated Cell Fusion Processes. Macromolecular Symposia, 2014, 346, 91-99.	0.7	2
66	Modulation of the mesenchymal stem cell migration capacity via preconditioning with topographic microstructure. Clinical Hemorheology and Microcirculation, 2017, 67, 267-278.	1.7	2
67	Selective cell targeting and lineage tracing of human induced pluripotent stem cells using recombinant avian retroviruses. Cellular and Molecular Life Sciences, 2015, 72, 4671-4680.	5.4	1
68	Transposon-mediated glial cell line-derived neurotrophic factor overexpression in human adipose tissue-derived mesenchymal stromal cells: A potential approach for neuroregenerative medicine?. Journal of Tissue Engineering and Regenerative Medicine, 2022, 16, 515-529.	2.7	1
69	Establishing Mammalian Production Cell Lines for Structural Biology by Site-Specific Recombination. , 2012, , 265-268.		0
70	Co-delivery of genes can be confounded by bicistronic vector design. MRS Communications, 2022, 12, 1-9.	1.8	0