Marie Claude C Hofmann

List of Publications by Year
in descending order

79 papers	5,936 citations	81839 39 h-index	88593 70 g-index
80 all docs	80 docs citations	80 times ranked	6489 citing authors

#	Article	IF	Citations
1	In Vitro Cytotoxicity of Nanoparticles in Mammalian Germline Stem Cells. Toxicological Sciences, 2005, 88, 412-419.	1.4	1,106
2	Isolation of male germ-line stem cells; influence of GDNF. Developmental Biology, 2005, 279, 114-124.	0.9	312
3	ERM is required for transcriptional control of the spermatogonial stem cell niche. Nature, 2005, 436, 1030-1034.	13.7	292
4	The Sertoli cell: one hundred fifty years of beauty and plasticity. Andrology, 2016, 4, 189-212.	1.9	289
5	Immortalization of germ cells and somatic testicular cells using the SV40 large T antigen. Experimental Cell Research, 1992, 201, 417-435.	1.2	241
6	Silver Nanoparticles Disrupt GDNF/Fyn kinase Signaling in Spermatogonial Stem Cells. Toxicological Sciences, 2010, 116, 577-589.	1.4	214
7	Gdnf Upregulates c-Fos Transcription via the Ras/Erk1/2 Pathway to Promote Mouse Spermatogonial Stem Cell Proliferation. Stem Cells, 2008, 26, 266-278.	1.4	207
8	Gdnf signaling pathways within the mammalian spermatogonial stem cell niche. Molecular and Cellular Endocrinology, 2008, 288, 95-103.	1.6	203
9	Immortalized germ cells undergo meiosis in vitro.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 5533-5537.	3.3	183
10	Evaluation of Overall Survival in Patients With Anaplastic Thyroid Carcinoma, 2000-2019. JAMA Oncology, 2020, 6, 1397.	3.4	183
11	Gfra1 Silencing in Mouse Spermatogonial Stem Cells Results in Their Differentiation Via the Inactivation of RET Tyrosine Kinase1. Biology of Reproduction, 2007, 77, 723-733.	1.2	160
12	Role of Src family kinases and N-Myc in spermatogonial stem cell proliferation. Developmental Biology, 2007, 304, 34-45.	0.9	137
13	Immortalization of Mouse Germ Line Stem Cells. Stem Cells, 2005, 23, 200-210.	1.4	119
14	Neoadjuvant BRAF- and Immune-Directed Therapy for Anaplastic Thyroid Carcinoma. Thyroid, 2018, 28, 945-951.	2.4	111
15	Bone Metastases and Skeletal-Related Events in Patients With Malignant Pheochromocytoma and Sympathetic Paraganglioma. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 1492-1497.	1.8	94
16	Claudin 5 Expression in Mouse Seminiferous Epithelium Is Dependent upon the Transcription Factor Ets Variant 5 and Contributes to Blood-Testis Barrier Function1. Biology of Reproduction, 2009, 81, 871-879.	1.2	88
17	Morphological Characterization of the Spermatogonial Subtypes in the Neonatal Mouse Testis1. Biology of Reproduction, 2003, 69, 1565-1571.	1.2	87
18	The Molecular Signature of Spermatogonial Stem/Progenitor Cells in the 6-Day-Old Mouse Testis1. Biology of Reproduction, 2009, 80, 707-717.	1.2	86

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19	Mechanistic Insights into the Regulation of the Spermatogonial Stem Cell Niche. Cell Cycle, 2006, 5, 1164-1170.	1.3	79
20	Sub-acute intravenous administration of silver nanoparticles in male mice alters Leydig cell function and testosterone levels. Reproductive Toxicology, 2014, 45, 59-70.	1.3	79
21	Direct Transdifferentiation of Stem/Progenitor Spermatogonia Into Reproductive and Nonreproductive Tissues of All Germ Layers. Stem Cells, 2009, 27, 1666-1675.	1.4	74
22	Loss of Etv5 Decreases Proliferation and RET Levels in Neonatal Mouse Testicular Germ Cells and Causes an Abnormal First Wave of Spermatogenesis1. Biology of Reproduction, 2009, 81, 258-266.	1.2	72
23	Constitutive activation of NOTCH1 signaling in Sertoli cells causes gonocyte exit from quiescence. Developmental Biology, 2013, 377, 188-201.	0.9	72
24	Acquired Secondary RAS Mutation in BRAF^{V600E}-Mutated Thyroid Cancer Patients Treated with BRAF Inhibitors. Thyroid, 2020, 30, 1288-1296.	2.4	66
25	Effects of ETV5 (Ets Variant Gene 5) on Testis and Body Growth, Time Course of Spermatogonial Stem Cell Loss, and Fertility in Mice1. Biology of Reproduction, 2008, 78, 483-489.	1.2	63
26	Refinement of the Differentiated Phenotype of the Spermatogenic Cell Line GC-2spd(ts)'1. Biology of Reproduction, 1996, 55, 923-932.	1.2	61
27	Human spermatogonial stem cells: a possible origin for spermatocytic seminoma. Journal of Developmental and Physical Disabilities, 2011, 34, e296-305; discussion e305.	3.6	59
28	RBPJ in mouse Sertoli cells is required for proper regulation of the testis stem cell niche. Development (Cambridge), 2014, 141, 4468-4478.	1.2	57
29	ETV5 Regulates Sertoli Cell Chemokines Involved in Mouse Stem/Progenitor Spermatogonia Maintenance Â Â. Stem Cells, 2010, 28, 1882-1892.	1.4	53
30	The NOTCH Ligand JAG1 Regulates GDNF Expression in Sertoli Cells. Stem Cells and Development, 2017, 26, 585-598.	1.1	53
31	Regulation of the Spermatogonial Stem Cell Niche. Reproduction in Domestic Animals, 2008, 43, 386-392.	0.6	52
32	Spermatogonial Stem Cell Markers and Niche in Equids. PLoS ONE, 2012, 7, e44091.	1.1	52
33	NOTCH signaling in Sertoli cells regulates gonocyte fate. Cell Cycle, 2013, 12, 2538-2545.	1.3	52
34	Long-term vemurafenib treatment drives inhibitor resistance through a spontaneous KRAS G12D mutation in a BRAF V600E papillary thyroid carcinoma model. Oncotarget, 2016, 7, 30907-30923.	0.8	52
35	High-Content Analysis Provides Mechanistic Insights into the Testicular Toxicity of Bisphenol A and Selected Analogues in Mouse Spermatogonial Cells. Toxicological Sciences, 2017, 155, 43-60.	1.4	48
36	An in Vitro Tubule Assay Identifies HGF as a Morphogen for the Formation of Seminiferous Tubules in the Postnatal Mouse Testis. Experimental Cell Research, 1999, 252, 175-185.	1.2	46

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37	ETV5 Is Required for Continuous Spermatogenesis in Adult Mice and May Mediate Bloodâ€“Testes Barrier Function and Testicular Immune Privilege. Annals of the New York Academy of Sciences, 2007, 1120, 144-151.	1.8	46
38	Role of Glial Cell Line-Derived Neurotrophic Factor in Germ-Line Stem Cell Fate. Annals of the New York Academy of Sciences, 2005, 1061, 94-99.	1.8	43
39	Genomic Structure and Promoter Activity of the Human Testis Lactate Dehydrogenase Gene1. Biology of Reproduction, 1993, 48, 1309-1319.	1.2	39
40	Thyroid C-Cell Biology and Oncogenic Transformation. Recent Results in Cancer Research, 2015, 204, 1-39.	1.8	39
41	Mono-(2-ethylhexyl)-phthalate (MEHP) affects ERK-dependent GDNF signalling in mouse stem-progenitor spermatogonia. Toxicology, 2012, 299, 10-19.	2.0	38
42	Hepatocyte Growth Factor/cMET Pathway Activation Enhances Cancer Hallmarks in Adrenocortical Carcinoma. Cancer Research, 2015, 75, 4131-4142.	0.4	38
43	Age affects gene expression in mouse spermatogonial stem/progenitor cells. Reproduction, 2010, 139, 1011-1020.	1.1	35
44	Src-mediated regulation of the PI3K pathway in advanced papillary and anaplastic thyroid cancer. Oncogenesis, 2018, 7, 23.	2.1	35
45	Signaling pathways in spermatogonial stem cells and their disruption by toxicants. Birth Defects Research Part C: Embryo Today Reviews, 2009, 87, 35-42.	3.6	33
46	The Spermatogonial Stem Cell Niche in the Collared Peccary (Tayassu tajacu)1. Biology of Reproduction, 2012, 86, 155, 1-10.	1.2	32
47	The Transcription Factor ETV5 Mediates BRAFV600E-Induced Proliferation and TWIST1 Expression in Papillary Thyroid Cancer Cells. Neoplasia, 2018, 20, 1121-1134.	2.3	32
48	Developmental Expression of Alkaline Phosphatase Genes; Reexpression in Germ Cell Tumours and in vitro Immortalized Germ Cells. European Urology, 1993, 23, 38-45.	0.9	31
49	A haploid and a diploid cell cycle coexist in an in vitro immortalized spermatogenic cell line. Genesis, 1995, 16, 119-127.	3.3	27
50	Regulation of GDNF expression in Sertoli cells. Reproduction, 2019, 157, R95-R107.	1.1	27
51	Three-Dimensional Synthetic Niche Components to Control Germ Cell Proliferation. Tissue Engineering - Part A, 2009, 15, 255-262.	1.6	26
52	Ponatinib Activates an Inflammatory Response in Endothelial Cells via ERK5 SUMOylation. Frontiers in Cardiovascular Medicine, 2018, 5, 125.	1.1	24
53	Undifferentiated spermatogonia regulateCyp26b1expression through NOTCH signaling and drive germ cell differentiation. FASEB Journal, 2019, 33, 8423-8435.	0.2	22
54	Clinical Utility of Circulating Cell-Free DNA Mutations in Anaplastic Thyroid Carcinoma. Thyroid, 2021, 31, 1235-1243.	2.4	22

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55	Isolation of Undifferentiated and Early Differentiating Type A Spermatogonia from Pou5f1-GFP Reporter Mice. Methods in Molecular Biology, 2012, 825, 31-44.	0.4	22
56	Stem Cells and Nanomaterials. Advances in Experimental Medicine and Biology, 2014, 811, 255-275.	0.8	19
57	Sertoli Cell-Germ Cell Interactions Within the Niche: Paracrine and Juxtacrine Molecular Communications. Frontiers in Endocrinology, 0, 13, .	1.5	15
58	RAC1 Alterations Induce Acquired Dabrafenib Resistance in Association with Anaplastic Transformation in a Papillary Thyroid Cancer Patient. Cancers, 2021, 13, 4950.	1.7	13
59	The COVIDâ€19 pandemics: Shall we expect andrological consequences? A call for contributions to ANDROLOGY. Andrology, 2020, 8, 528-529.	1.9	12
60	A High-throughput Approach to Identify Effective Systemic Agents for the Treatment of Anaplastic Thyroid Carcinoma. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 2962-2978.	1.8	10
61	Establishment and characterization of neonatal mouse sertoli cell lines. Journal of Andrology, 2003, 24, 120-30.	2.0	10
62	Circulating BRAF V600E Cell-Free DNA as a Biomarker in the Management of Anaplastic Thyroid Carcinoma. JCO Precision Oncology, 2018, 2, 1-11.	1.5	8
63	Novel Anaplastic Thyroid Cancer PDXs and Cell Lines: Expanding Preclinical Models of Genetic Diversity. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e4652-e4665.	1.8	8
64	Rapid Evaluation of CRISPR Guides and Donors for Engineering Mice. Genes, 2020, 11, 628.	1.0	7
65	Cellâ€Laden Hydrogels in Integrated Microfluidic Devices for Longâ€Term Cell Culture and Tubulogenesis Assays. Small, 2013, 9, 3076-3081.	5.2	4
66	Generation of Capillary-Like Structures from Mouse Primary Spermatogonial Stem Cells in Defined Three-Dimensional Collagen Gels.. Biology of Reproduction, 2012, 87, 55-55.	1.2	3
67	Spermatogonial Stem Cell Niche in the Collared Peccary and Other Non-Model Vertebrates.. Biology of Reproduction, 2012, 87, 89-89.	1.2	3
68	Stem cell potential of the mammalian gonad. Frontiers in Bioscience - Elite, 2009, E1, 510-518.	0.9	2
69	NEUROTROPHIC FACTORS IN THE DEVELOPMENT OF THE POSTNATAL MALE GERM LINE. , 2007, , 149-184.		1
70	With our sincere thanks: Farewell to Manuela Simoni and welcome to Aleksander Giwercman. Andrology, 2022, 10, 5-5.	1.9	1
71	Andrology and humanities. Andrology, 2022, 10, 823-824.	1.9	1
72	Molecular Mechanisms of Disease: The RET Proto-oncogene. , 2016, , 47-63.		0

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73	Translational Research and Genomics Driven Trials in Thyroid Cancer. , 2018, , 319-338.		0
74	Andrology Awards 2019 and 2020. Andrology, 2021, 9, 1025-1026.	1.9	0
75	Signal Integration Within the Spermatogonial Stem Cell Niche.. Biology of Reproduction, 2008, 78, 234-234.	1.2	0
76	Differentiation of Stem/Progenitor Spermatogonia into Prostatic Epithelium: Direct or Indirect?. Biology of Reproduction, 2010, 83, 142-142.	1.2	0
77	Establishment of Meiotic Germ-Cell Lines and Their Use to Study Spermatogenesis In Vitro. , 1996, , 45-63.		0
78	Abstract 2933: Long-term BRAF(V600E) inhibition results in a spontaneous KRAS(G12D) mutation and increased epithelial to mesenchymal transition (EMT) in papillary thyroid cancer cells (PTC). , 2016, , .		0
79	Abstract P120: Novel in vitro targeted combination therapies for anaplastic thyroid cancer. , 2021, , .		0