Barbara Kaltschmidt

List of Publications by Year
in descending order

82 papers	3,696 citations	159585 30 h-index	138484 58 g-index
86 all docs	86 docs citations	86 times ranked	5626 citing authors

#	Article	IF	Citations
1	Targeting NF-ÎºB Signaling in Cancer Stem Cells: A Narrative Review. Biomedicines, 2022, 10, 261.	3.2	11
2	The Diminishment of Novel Endometrial Carcinoma-Derived Stem-like Cells by Targeting Mitochondrial Bioenergetics and MYC. International Journal of Molecular Sciences, 2022, 23, 2426.	4.1	1
3	Human Sex Matters: Y-Linked Lysine Demethylase 5D Drives Accelerated Male Craniofacial Osteogenic Differentiation. Cells, 2022, 11, 823.	4.1	5
4	Endometrial Cancer Stem Cells: Where Do We Stand and Where Should We Go?. International Journal of Molecular Sciences, 2022, 23, 3412.	4.1	18
5	Bacterial Biofilm Formation on Nano-Copper Added PLA Suited for 3D Printed Face Masks. Microorganisms, 2022, 10, 439.	3.6	8
6	Chronic inflammation of middle ear cholesteatoma promotes its recurrence via a paracrine mechanism. Cell Communication and Signaling, 2021, 19, 25.	6.5	6
7	Nanopore Sequencing Reveals Global Transcriptome Signatures of Mitochondrial and Ribosomal Gene Expressions in Various Human Cancer Stem-like Cell Populations. Cancers, 2021, 13, 1136.	3.7	14
8	Hyperosmolality in CHO culture: Effects on cellular behavior and morphology. Biotechnology and Bioengineering, 2021, 118, 2348-2359.	3.3	11
9	Novel Primary Human Cancer Stem-Like Cell Populations from Non-Small Cell Lung Cancer: Inhibition of Cell Survival by Targeting NF-ÎºB and MYC Signaling. Cells, 2021, 10, 1024.	4.1	13
10	Spongostanâ„¢ Leads to Increased Regeneration of a Rat Calvarial Critical Size Defect Compared to NanoBoneÂ® and Actifuse. Materials, 2021, 14, 1961.	2.9	9
11	Between Fate Choice and Self-Renewalâ€"Heterogeneity of Adult Neural Crest-Derived Stem Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 662754.	3.7	12
12	Identification of Microorganisms from Several Surfaces by MALDI-TOF MS: P. aeruginosa Is Leading in Biofilm Formation. Microorganisms, 2021, 9, 992.	3.6	12
13	Strategies to Improve Bone Healing: Innovative Surgical Implants Meet Nano-/Micro-Topography of Bone Scaffolds. Biomedicines, 2021, 9, 746.	3.2	10
14	Human Blood Serum Induces p38-MAPK- and Hsp27-Dependent Migration Dynamics of Adult Human Cardiac Stem Cells: Single-Cell Analysis via a Microfluidic-Based Cultivation Platform. Biology, 2021, 10, 708.	2.8	12
15	Hepatic Vasculopathy and Regenerative Responses of the Liver in Fatal Cases of COVID-19. Clinical Gastroenterology and Hepatology, 2021, 19, 1726-1729.e3.	4.4	30
16	The Transcription Factor NF-ÎºB in Stem Cells and Development. Cells, 2021, 10, 2042.	4.1	50
17	Analysis of Several Pathways for Efficient Killing of Prostate Cancer Stem Cells: A Central Role of NF-ÎºB RELA. International Journal of Molecular Sciences, 2021, 22, 8901.	4.1	10
18	Neuroprotection Mediated by Human Blood Plasma in Mouse Hippocampal Slice Cultures and in Oxidatively Stressed Human Neurons. International Journal of Molecular Sciences, 2021, 22, 9567.	4.1	5

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19	Transcriptome Analysis Reveals High Similarities between Adult Human Cardiac Stem Cells and Neural Crest-Derived Stem Cells. Biology, 2020, 9, 435.	2.8	11
20	Absence of Plekhg5 Results in Myelin Infoldings Corresponding to an Impaired Schwann Cell Autophagy, and a Reduced T-Cell Infiltration Into Peripheral Nerves. Frontiers in Cellular Neuroscience, 2020, 14, 185.	3.7	3
21	Isolation and Characterization of Two Novel Colorectal Cancer Cell Lines, Containing a Subpopulation with Potential Stem-Like Properties: Treatment Options by MYC/NMYC Inhibition. Cancers, 2020, 12, 2582.	3.7	10
22	PLEKHG5 regulates autophagy, survival and MGMT expression in U251-MG glioblastoma cells. Scientific Reports, 2020, 10, 21858.	3.3	7
23	Preparation of Terpenoid-Invasomes with Selective Activity against S. aureus and Characterization by Cryo Transmission Electron Microscopy. Biomedicines, 2020, 8, 105.	3.2	14
24	Norepinephrine is a negative regulator of the adult periventricular neural stem cell niche. Stem Cells, 2020, 38, 1188-1201.	3.2	18
25	Bone Regeneration: A Novel Osteoinductive Function of Spongostan by the Interplay between Its Nano- and Microtopography. Cells, 2020, 9, 654.	4.1	17
26	Stem Cell-Induced Inflammation in Cholesteatoma Is Inhibited by the TLR4 Antagonist LPS-RS. Cells, 2020, 9, 199.	4.1	13
27	A Matter of Choice: Inhibition of c-Rel Shifts Neuronal to Oligodendroglial Fate in Human Stem Cells. Cells, 2020, 9, 1037.	4.1	12
28	The Therapeutic Effect of 1,8-Cineol on Pathogenic Bacteria Species Present in Chronic Rhinosinusitis. Frontiers in Microbiology, 2019, 10, 2325.	3.5	14
29	Sexual dimorphisms in adult human neural, mesodermâ€derived, and neural crestâ€derived stem cells. FEBS Letters, 2019, 593, 3338-3352.	2.8	19
30	A Role for NF-ÎºB in Organ Specific Cancer and Cancer Stem Cells. Cancers, 2019, 11, 655.	3.7	84
31	MoNa â€“ A Cost-Efficient, Portable System for the Nanoinjection of Living Cells. Scientific Reports, 2019, 9, 5480.	3.3	6
32	Natural and synthetic nanopores directing osteogenic differentiation of human stem cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 17, 319-328.	3.3	34
33	A typical carcinoid of the lung â€“ a case report with pathological correlation and propagation of the cancer stem cell line BKZ1 with synaptophysin expression. Medicine (United States), 2019, 98, e18174.	1.0	7
34	Stem cells in middle ear cholesteatoma contribute to its pathogenesis. Scientific Reports, 2018, 8, 6204.	3.3	12
35	IKK1/2 protect human cells from TNF-mediated RIPK1-dependent apoptosis in an NF-ÎºB-independent manner. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 1025-1033.	4.1	13
36	Identification of a Novel High Yielding Source of Multipotent Adult Human Neural Crest-Derived Stem Cells. Stem Cell Reviews and Reports, 2018, 14, 277-285.	5.6	15

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37	Primary rat LSECs preserve their characteristic phenotype after cryopreservation. Scientific Reports, 2018, 8, 14657.	3.3	9
38	NF-ÎºB p65 directs sex-specific neuroprotection in human neurons. Scientific Reports, 2018, 8, 16012.	3.3	23
39	Subunit-Specific Role of NF-ÎºB in Cancer. Biomedicines, 2018, 6, 44.	3.2	77
40	Technical feasibility study for production of tailored multielectrode arrays and patterning of arranged neuronal networks. PLoS ONE, 2018, 13, e0192647.	2.5	4
41	Plekhg5-regulated autophagy of synaptic vesicles reveals a pathogenic mechanism in motoneuron disease. Nature Communications, 2017, 8, 678.	12.8	59
42	CRISPR/Cas9-mediated knockout of c-REL in HeLa cells results in profound defects of the cell cycle. PLoS ONE, 2017, 12, e0182373.	2.5	17
43	Label-free nonlinear optical microscopy detects early markers for osteogenic differentiation of human stem cells. Scientific Reports, 2016, 6, 26716.	3.3	28
44	1,8-Cineole potentiates IRF3-mediated antiviral response in human stem cells and in an ex vivo model of rhinosinusitis. Clinical Science, 2016, 130, 1339-1352.	4.3	33
45	Single-particle tracking uncovers dynamics of glutamate-induced retrograde transport of NF-ÎºB p65 in living neurons. Neurophotonics, 2016, 3, 041804.	3.3	9
46	Helium Ion Microscopy: Helium Ion Microscopy Visualizes Lipid Nanodomains in Mammalian Cells (Small 43/2015). Small, 2015, 11, 5852-5852.	10.0	0
47	Helium Ion Microscopy Visualizes Lipid Nanodomains in Mammalian Cells. Small, 2015, 11, 5781-5789.	10.0	22
48	NF-KappaB in Long-Term Memory and Structural Plasticity in the Adult Mammalian Brain. Frontiers in Molecular Neuroscience, 2015, 8, 69.	2.9	85
49	Alternative Generation of CNS Neural Stem Cells and PNS Derivatives from Neural Crest-Derived Peripheral Stem Cells. Stem Cells, 2015, 33, 574-588.	3.2	18
50	Intrastriatal Transplantation of Adult Human Neural Crest-Derived Stem Cells Improves Functional Outcome in Parkinsonian Rats. Stem Cells Translational Medicine, 2015, 4, 31-43.	3.3	43
51	1,8-Cineol Reduces Mucus-Production in a Novel Human Ex Vivo Model of Late Rhinosinusitis. PLoS ONE, 2015, 10, e0133040.	2.5	40
52	Induced Neural Stem Cells Achieve Long-Term Survival and Functional Integration in the Adult Mouse Brain. Stem Cell Reports, 2014, 3, 423-431.	4.8	51
53	Interaction of adult human neural crest-derived stem cells with a nanoporous titanium surface is sufficient to induce their osteogenic differentiation. Stem Cell Research, 2014, 13, 98-110.	0.7	20
54	Methods for the Modulation and Analysis of NF-κB-dependent Adult Neurogenesis. Journal of Visualized Experiments, 2014, , e50870.	0.3	1

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55	Culture bag systems for clinical applications of adult human neural crest-derived stem cells. Stem Cell Research and Therapy, 2014, 5, 34.	5.5	18
56	1,8-Cineol inhibits nuclear translocation of NF-ÎºB p65 and NF-ÎºB-dependent transcriptional activity. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2866-2878.	4.1	83
57	MicroRNAs in pluripotency, reprogramming and cell fate induction. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1894-1903.	4.1	51
58	Prolonged cultivation of hippocampal neural precursor cells shifts their differentiation potential and selects for aneuploid cells. Biological Chemistry, 2013, 394, 1623-1636.	2.5	11
59	Hsc70 Is a Novel Interactor of NF-kappaB p65 in Living Hippocampal Neurons. PLoS ONE, 2013, 8, e65280.	2.5	18
60	Elements of Transcriptional Machinery Are Compatible among Plants and Mammals. PLoS ONE, 2013, 8, e53737.	2.5	7
61	Origin and Regenerative Potential of Vertebrate Mechanoreceptor-Associated Stem Cells. Anatomy Research International, 2012, 2012, 1-9.	1.1	3
62	Isolation of Novel Multipotent Neural Crest-Derived Stem Cells from Adult Human Inferior Turbinate. Stem Cells and Development, 2012, 21, 742-756.	2.1	106
63	Adult Craniofacial Stem Cells: Sources and Relation to the Neural Crest. Stem Cell Reviews and Reports, 2012, 8, 658-671.	5.6	93
64	Knockdown of IKK1/2 Promotes Differentiation of Mouse Embryonic Stem Cells into Neuroectoderm at the Expense of Mesoderm. Stem Cell Reviews and Reports, 2012, 8, 1098-1108.	5.6	8
65	Regrowing the Adult Brain: NF-ÎºB Controls Functional Circuit Formation and Tissue Homeostasis in the Dentate Gyrus. PLoS ONE, 2012, 7, e30838.	2.5	64
66	miR-290 Cluster Modulates Pluripotency by Repressing Canonical NF-ÎºB Signaling. Stem Cells, 2012, 30, 655-664.	3.2	56
67	NEURAL CREST STEM CELLS FROM THE HEAD REGION. , 2012, , 123-143.		0
68	Schwann Cells Can Be Reprogrammed to Multipotency by Culture. Stem Cells and Development, 2011, 20, 2053-2064.	2.1	54
69	Neural Stem Cells Adopt Tumorigenic Properties by Constitutively Activated NF-ÎºB and Subsequent VEGF Up-Regulation. Stem Cells and Development, 2010, 19, 999-1015.	2.1	23
70	NF-ÂB in the Nervous System. Cold Spring Harbor Perspectives in Biology, 2009, 1, a001271-a001271.	5.5	332
71	Adult Palatum as a Novel Source of Neural Crest-Related Stem Cells. Stem Cells, 2009, 27, 1899-1910.	3.2	141
72	Highly Efficient Neural Differentiation of Human Somatic Stem Cells, Isolated by Minimally Invasive Periodontal Surgery. Stem Cells and Development, 2007, 16, 447-460.	2.1	98

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73	Transcription Factor NF-ÎºB Is Transported to the Nucleus via Cytoplasmic Dynein/Dynactin Motor Complex in Hippocampal Neurons. PLoS ONE, 2007, 2, e589.	2.5	94
74	NF-ÎºB Regulates Spatial Memory Formation and Synaptic Plasticity through Protein Kinase A/CREB Signaling. Molecular and Cellular Biology, 2006, 26, 2936-2946.	2.3	186
75	Tumor necrosis factor alpha triggers proliferation of adult neural stem cells via IKK/NF-kappaB signaling. BMC Neuroscience, 2006, 7, 64.	1.9	185
76	Signaling via NF-ÎºB in the nervous system. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1745, 287-299.	4.1	246
77	Forebrain-Specific Neuronal Inhibition of Nuclear Factor-ÎºB Activity Leads to Loss of Neuroprotection. Journal of Neuroscience, 2003, 23, 9403-9408.	3.6	157
78	Stimulus-Dependent Activation of NF-kappaB Specifies Apoptosis. NeuroMolecular Medicine, 2002, 2, 299-310.	3.4	62
79	Retrograde Transport of Transcription Factor NF-ÎºB in Living Neurons. Journal of Biological Chemistry, 2001, 276, 11821-11829.	3.4	108
80	Activation of NF-ÎºB by Reactive Oxygen Intermediates in the Nervous System. Antioxidants and Redox Signaling, 1999, 1, 129-144.	5.4	101
81	Repression of NF-ÎºB impairs HeLa cell proliferation by functional interference with cell cycle checkpoint regulators. Oncogene, 1999, 18, 3213-3225.	5.9	98
82	Brain synapses contain inducible forms of the transcription factor NF-ÎºB. Mechanisms of Development, 1993, 43, 135-147.	1.7	208