

Barbara Kaltschmidt

List of Publications by Year in descending order

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Version: 2024-02-01

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	NF- $\hat{\text{A}}\text{B}$ in the Nervous System. Cold Spring Harbor Perspectives in Biology, 2009, 1, a001271-a001271.	5.5	332
2	Signaling via NF- $\hat{\text{I}}\text{B}$ in the nervous system. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1745, 287-299.	4.1	246
3	Brain synapses contain inducible forms of the transcription factor NF- $\hat{\text{I}}\text{B}$. Mechanisms of Development, 1993, 43, 135-147.	1.7	208
4	NF- $\hat{\text{I}}\text{B}$ Regulates Spatial Memory Formation and Synaptic Plasticity through Protein Kinase A/CREB Signaling. Molecular and Cellular Biology, 2006, 26, 2936-2946.	2.3	186
5	Tumor necrosis factor alpha triggers proliferation of adult neural stem cells via IKK/NF-kappaB signaling. BMC Neuroscience, 2006, 7, 64.	1.9	185
6	Forebrain-Specific Neuronal Inhibition of Nuclear Factor- $\hat{\text{I}}\text{B}$ Activity Leads to Loss of Neuroprotection. Journal of Neuroscience, 2003, 23, 9403-9408.	3.6	157
7	Adult Palatum as a Novel Source of Neural Crest-Related Stem Cells. Stem Cells, 2009, 27, 1899-1910.	3.2	141
8	Retrograde Transport of Transcription Factor NF- $\hat{\text{I}}\text{B}$ in Living Neurons. Journal of Biological Chemistry, 2001, 276, 11821-11829.	3.4	108
9	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
10	Activation of NF- $\hat{\text{I}}\text{B}$ by Reactive Oxygen Intermediates in the Nervous System. Antioxidants and Redox Signaling, 1999, 1, 129-144.	5.4	101
11	Repression of NF- $\hat{\text{I}}\text{B}$ impairs HeLa cell proliferation by functional interference with cell cycle checkpoint regulators. Oncogene, 1999, 18, 3213-3225.	5.9	98
12	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
13	Transcription Factor NF- $\hat{\text{I}}\text{B}$ Is Transported to the Nucleus via Cytoplasmic Dynein/Dynactin Motor Complex in Hippocampal Neurons. PLoS ONE, 2007, 2, e589.	2.5	94
14	Adult Craniofacial Stem Cells: Sources and Relation to the Neural Crest. Stem Cell Reviews and Reports, 2012, 8, 658-671.	5.6	93
15	NF-KappaB in Long-Term Memory and Structural Plasticity in the Adult Mammalian Brain. Frontiers in Molecular Neuroscience, 2015, 8, 69.	2.9	85
16	A Role for NF- $\hat{\text{I}}\text{B}$ in Organ Specific Cancer and Cancer Stem Cells. Cancers, 2019, 11, 655.	3.7	84
17	1,8-Cineol inhibits nuclear translocation of NF- $\hat{\text{I}}\text{B}$ p65 and NF- $\hat{\text{I}}\text{B}$ -dependent transcriptional activity. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2866-2878.	4.1	83
18	Subunit-Specific Role of NF- $\hat{\text{I}}\text{B}$ in Cancer. Biomedicines, 2018, 6, 44.	3.2	77

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19	Regrowing the Adult Brain: NF- κ B Controls Functional Circuit Formation and Tissue Homeostasis in the Dentate Gyrus. <i>PLoS ONE</i> , 2012, 7, e30838.	2.5	64
20	Stimulus-Dependent Activation of NF-kappaB Specifies Apoptosis. <i>NeuroMolecular Medicine</i> , 2002, 2, 299-310.	3.4	62
21	Plekhg5-regulated autophagy of synaptic vesicles reveals a pathogenic mechanism in motoneuron disease. <i>Nature Communications</i> , 2017, 8, 678.	12.8	59
22	miR-290 Cluster Modulates Pluripotency by Repressing Canonical NF- κ B Signaling. <i>Stem Cells</i> , 2012, 30, 655-664.	3.2	56
23	Schwann Cells Can Be Reprogrammed to Multipotency by Culture. <i>Stem Cells and Development</i> , 2011, 20, 2053-2064.	2.1	54
24	MicroRNAs in pluripotency, reprogramming and cell fate induction. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1894-1903.	4.1	51
25	Induced Neural Stem Cells Achieve Long-Term Survival and Functional Integration in the Adult Mouse Brain. <i>Stem Cell Reports</i> , 2014, 3, 423-431.	4.8	51
26	The Transcription Factor NF- κ B in Stem Cells and Development. <i>Cells</i> , 2021, 10, 2042.	4.1	50
27	Intrastratial Transplantation of Adult Human Neural Crest-Derived Stem Cells Improves Functional Outcome in Parkinsonian Rats. <i>Stem Cells Translational Medicine</i> , 2015, 4, 31-43.	3.3	43
28	1,8-Cineol Reduces Mucus-Production in a Novel Human Ex Vivo Model of Late Rhinosinusitis. <i>PLoS ONE</i> , 2015, 10, e0133040.	2.5	40
29	Natural and synthetic nanopores directing osteogenic differentiation of human stem cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 17, 319-328.	3.3	34
30	1,8-Cineole potentiates IRF3-mediated antiviral response in human stem cells and in an <i>ex vivo</i> model of rhinosinusitis. <i>Clinical Science</i> , 2016, 130, 1339-1352.	4.3	33
31	Hepatic Vasculopathy and Regenerative Responses of the Liver in Fatal Cases of COVID-19. <i>Clinical Gastroenterology and Hepatology</i> , 2021, 19, 1726-1729.e3.	4.4	30
32	Label-free nonlinear optical microscopy detects early markers for osteogenic differentiation of human stem cells. <i>Scientific Reports</i> , 2016, 6, 26716.	3.3	28
33	Neural Stem Cells Adopt Tumorigenic Properties by Constitutively Activated NF- κ B and Subsequent VEGF Up-Regulation. <i>Stem Cells and Development</i> , 2010, 19, 999-1015.	2.1	23
34	NF- κ B p65 directs sex-specific neuroprotection in human neurons. <i>Scientific Reports</i> , 2018, 8, 16012.	3.3	23
35	Helium Ion Microscopy Visualizes Lipid Nanodomains in Mammalian Cells. <i>Small</i> , 2015, 11, 5781-5789.	10.0	22
36	Interaction of adult human neural crest-derived stem cells with a nanoporous titanium surface is sufficient to induce their osteogenic differentiation. <i>Stem Cell Research</i> , 2014, 13, 98-110.	0.7	20

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37	Sexual dimorphisms in adult human neural, mesoderm-derived, and neural crest-derived stem cells. <i>FEBS Letters</i> , 2019, 593, 3338-3352.	2.8	19
38	Hsc70 Is a Novel Interactor of NF-kappaB p65 in Living Hippocampal Neurons. <i>PLoS ONE</i> , 2013, 8, e65280.	2.5	18
39	Culture bag systems for clinical applications of adult human neural crest-derived stem cells. <i>Stem Cell Research and Therapy</i> , 2014, 5, 34.	5.5	18
40	Alternative Generation of CNS Neural Stem Cells and PNS Derivatives from Neural Crest-Derived Peripheral Stem Cells. <i>Stem Cells</i> , 2015, 33, 574-588.	3.2	18
41	Norepinephrine is a negative regulator of the adult periventricular neural stem cell niche. <i>Stem Cells</i> , 2020, 38, 1188-1201.	3.2	18
42	Endometrial Cancer Stem Cells: Where Do We Stand and Where Should We Go?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3412.	4.1	18
43	Bone Regeneration: A Novel Osteoinductive Function of Spongostan by the Interplay between Its Nano- and Microtopography. <i>Cells</i> , 2020, 9, 654.	4.1	17
44	CRISPR/Cas9-mediated knockout of c-REL in HeLa cells results in profound defects of the cell cycle. <i>PLoS ONE</i> , 2017, 12, e0182373.	2.5	17
45	Identification of a Novel High Yielding Source of Multipotent Adult Human Neural Crest-Derived Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2018, 14, 277-285.	5.6	15
46	The Therapeutic Effect of 1,8-Cineol on Pathogenic Bacteria Species Present in Chronic Rhinosinusitis. <i>Frontiers in Microbiology</i> , 2019, 10, 2325.	3.5	14
47	Preparation of Terpenoid-Invasomes with Selective Activity against <i>S. aureus</i> and Characterization by Cryo Transmission Electron Microscopy. <i>Biomedicines</i> , 2020, 8, 105.	3.2	14
48	Nanopore Sequencing Reveals Global Transcriptome Signatures of Mitochondrial and Ribosomal Gene Expressions in Various Human Cancer Stem-like Cell Populations. <i>Cancers</i> , 2021, 13, 1136.	3.7	14
49	IKK1/2 protect human cells from TNF-mediated RIPK1-dependent apoptosis in an NF- κ B-independent manner. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1025-1033.	4.1	13
50	Stem Cell-Induced Inflammation in Cholesteatoma Is Inhibited by the TLR4 Antagonist LPS-RS. <i>Cells</i> , 2020, 9, 199.	4.1	13
51	Novel Primary Human Cancer Stem-Like Cell Populations from Non-Small Cell Lung Cancer: Inhibition of Cell Survival by Targeting NF- κ B and MYC Signaling. <i>Cells</i> , 2021, 10, 1024.	4.1	13
52	Stem cells in middle ear cholesteatoma contribute to its pathogenesis. <i>Scientific Reports</i> , 2018, 8, 6204.	3.3	12
53	A Matter of Choice: Inhibition of c-Rel Shifts Neuronal to Oligodendroglial Fate in Human Stem Cells. <i>Cells</i> , 2020, 9, 1037.	4.1	12
54	Between Fate Choice and Self-Renewal—Heterogeneity of Adult Neural Crest-Derived Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 662754.	3.7	12

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55	Identification of Microorganisms from Several Surfaces by MALDI-TOF MS: <i>P. aeruginosa</i> Is Leading in Biofilm Formation. <i>Microorganisms</i> , 2021, 9, 992.	3.6	12
56	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. <i>Biology</i> , 2021, 10, 708.	2.8	12
57	Prolonged cultivation of hippocampal neural precursor cells shifts their differentiation potential and selects for aneuploid cells. <i>Biological Chemistry</i> , 2013, 394, 1623-1636.	2.5	11
58	Transcriptome Analysis Reveals High Similarities between Adult Human Cardiac Stem Cells and Neural Crest-Derived Stem Cells. <i>Biology</i> , 2020, 9, 435.	2.8	11
59	Hyperosmolality in CHO culture: Effects on cellular behavior and morphology. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2348-2359.	3.3	11
60	Targeting NF- κ B Signaling in Cancer Stem Cells: A Narrative Review. <i>Biomedicines</i> , 2022, 10, 261.	3.2	11
61	Isolation and Characterization of Two Novel Colorectal Cancer Cell Lines, Containing a Subpopulation with Potential Stem-Like Properties: Treatment Options by MYC/NMYC Inhibition. <i>Cancers</i> , 2020, 12, 2582.	3.7	10
62	Strategies to Improve Bone Healing: Innovative Surgical Implants Meet Nano-/Micro-Topography of Bone Scaffolds. <i>Biomedicines</i> , 2021, 9, 746.	3.2	10
63	Analysis of Several Pathways for Efficient Killing of Prostate Cancer Stem Cells: A Central Role of NF- κ B RELA. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8901.	4.1	10
64	Single-particle tracking uncovers dynamics of glutamate-induced retrograde transport of NF- κ B p65 in living neurons. <i>Neurophotonics</i> , 2016, 3, 041804.	3.3	9
65	Primary rat LSECs preserve their characteristic phenotype after cryopreservation. <i>Scientific Reports</i> , 2018, 8, 14657.	3.3	9
66	Spongostan [®] Leads to Increased Regeneration of a Rat Calvarial Critical Size Defect Compared to NanoBone [®] and Actifuse. <i>Materials</i> , 2021, 14, 1961.	2.9	9
67	Knockdown of IKK1/2 Promotes Differentiation of Mouse Embryonic Stem Cells into Neuroectoderm at the Expense of Mesoderm. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 1098-1108.	5.6	8
68	Bacterial Biofilm Formation on Nano-Copper Added PLA Suited for 3D Printed Face Masks. <i>Microorganisms</i> , 2022, 10, 439.	3.6	8
69	A typical carcinoid of the lung – a case report with pathological correlation and propagation of the cancer stem cell line BKZ1 with synaptophysin expression. <i>Medicine (United States)</i> , 2019, 98, e18174.	1.0	7
70	PLEKHG5 regulates autophagy, survival and MGMT expression in U251-MG glioblastoma cells. <i>Scientific Reports</i> , 2020, 10, 21858.	3.3	7
71	Elements of Transcriptional Machinery Are Compatible among Plants and Mammals. <i>PLoS ONE</i> , 2013, 8, e53737.	2.5	7
72	MoNa – A Cost-Efficient, Portable System for the Nano-injection of Living Cells. <i>Scientific Reports</i> , 2019, 9, 5480.	3.3	6

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73	Chronic inflammation of middle ear cholesteatoma promotes its recurrence via a paracrine mechanism. <i>Cell Communication and Signaling</i> , 2021, 19, 25.	6.5	6
74	Neuroprotection Mediated by Human Blood Plasma in Mouse Hippocampal Slice Cultures and in Oxidatively Stressed Human Neurons. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9567.	4.1	5
75	Human Sex Matters: Y-Linked Lysine Demethylase 5D Drives Accelerated Male Craniofacial Osteogenic Differentiation. <i>Cells</i> , 2022, 11, 823.	4.1	5
76	Technical feasibility study for production of tailored multielectrode arrays and patterning of arranged neuronal networks. <i>PLoS ONE</i> , 2018, 13, e0192647.	2.5	4
77	Origin and Regenerative Potential of Vertebrate Mechanoreceptor-Associated Stem Cells. <i>Anatomy Research International</i> , 2012, 2012, 1-9.	1.1	3
78	Absence of Plekhg5 Results in Myelin Infoldings Corresponding to an Impaired Schwann Cell Autophagy, and a Reduced T-Cell Infiltration Into Peripheral Nerves. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 185.	3.7	3
79	Methods for the Modulation and Analysis of NF- κ B-dependent Adult Neurogenesis. <i>Journal of Visualized Experiments</i> , 2014, , e50870.	0.3	1
80	The Diminishment of Novel Endometrial Carcinoma-Derived Stem-like Cells by Targeting Mitochondrial Bioenergetics and MYC. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2426.	4.1	1
81	Helium Ion Microscopy: Helium Ion Microscopy Visualizes Lipid Nanodomains in Mammalian Cells (Small 43/2015). <i>Small</i> , 2015, 11, 5852-5852.	10.0	0
82	NEURAL CREST STEM CELLS FROM THE HEAD REGION. , 2012, , 123-143.		0