

Gail M Seigel

List of Publications by Year in descending order

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62
papers

2,803
citations

172457

29
h-index

182427

51
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62
all docs

62
docs citations

62
times ranked

3252
citing authors

#	ARTICLE	IF	CITATIONS
1	Insulin Rescues Retinal Neurons from Apoptosis by a Phosphatidylinositol 3-Kinase/Akt-mediated Mechanism That Reduces the Activation of Caspase-3. <i>Journal of Biological Chemistry</i> , 2001, 276, 32814-32821.	3.4	279
2	Autoantibodies to small heat shock proteins in glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , 1998, 39, 2277-87.	3.3	154
3	Evidence of Apoptotic Cell Death in Keratoconus. <i>Cornea</i> , 2002, 21, 206-209.	1.7	121
4	Toxicity of Triamcinolone Acetonide on Retinal Neurosensory and Pigment Epithelial Cells. , 2006, 47, 722.		121
5	Cancer stem cell characteristics in retinoblastoma. <i>Molecular Vision</i> , 2005, 11, 729-37.	1.1	121
6	Anti-Enolase- α Autoantibodies in Cancer-Associated Retinopathy: Epitope Mapping and Cytotoxicity on Retinal Cells. <i>Journal of Autoimmunity</i> , 1998, 11, 671-677.	6.5	111
7	Human embryonic and neuronal stem cell markers in retinoblastoma. <i>Molecular Vision</i> , 2007, 13, 823-32.	1.1	111
8	EVALUATION OF IN VITRO EFFECTS OF BEVACIZUMAB (AVASTIN) ON RETINAL PIGMENT EPITHELIAL, NEUROSENSORY RETINAL, AND MICROVASCULAR ENDOTHELIAL CELLS. <i>Retina</i> , 2006, 26, 512-518.	1.7	107
9	Multiple RIBEYE-RIBEYE Interactions Create a Dynamic Scaffold for the Formation of Synaptic Ribbons. <i>Journal of Neuroscience</i> , 2008, 28, 7954-7967.	3.6	106
10	Breast cancer resistance protein BCRP/ABCG2 regulatory microRNAs (hsa-miR-328, -519c and -520h) and their differential expression in stem-like ABCG2+ cancer cells. <i>Biochemical Pharmacology</i> , 2011, 81, 783-792.	4.4	103
11	Cisplatin ototoxicity in rat cochlear organotypic cultures. <i>Hearing Research</i> , 2011, 282, 196-203.	2.0	100
12	Apoptotic retinal cell death induced by antirecoverin autoantibodies of cancer-associated retinopathy. <i>Investigative Ophthalmology and Visual Science</i> , 1997, 38, 283-91.	3.3	86
13	Trypan Blue: Effect on Retinal Pigment Epithelial and Neurosensory Retinal Cells. , 2005, 46, 304.		80
14	Establishment of an e1A-immortalized retinal cell culture. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1996, 32, 66-68.	1.5	78
15	Retinal Pathology and Function in a Cln3 Knockout Mouse Model of Juvenile Neuronal Ceroid Lipofuscinosis (Batten Disease). <i>Molecular and Cellular Neurosciences</i> , 2002, 19, 515-527.	2.2	58
16	Neuronal gene expression and function in the growth-stimulated R28 retinal precursor cell line. <i>Current Eye Research</i> , 2004, 28, 257-269.	1.5	56
17	Latanoprost rescues retinal neuro-glial cells from apoptosis by inhibiting caspase-3, which is mediated by p44/p42 mitogen-activated protein kinase. <i>Experimental Eye Research</i> , 2006, 83, 1108-1117.	2.6	53
18	RIBEYE Recruits Munc119, a Mammalian Ortholog of the Caenorhabditis elegans Protein unc119, to Synaptic Ribbons of Photoreceptor Synapses. <i>Journal of Biological Chemistry</i> , 2008, 283, 26461-26467.	3.4	52

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19	Inhibition of neuroretinal cell death by insulin-like growth factor-1 and its analogs. <i>Molecular Vision</i> , 2000, 6, 157-63.	1.1	52
20	Systemic IGF-I treatment inhibits cell death in diabetic rat retina. <i>Journal of Diabetes and Its Complications</i> , 2006, 20, 196-204.	2.3	51
21	Poly(ADP-ribose) polymerase inhibitors counteract diabetes- and hypoxia-induced retinal vascular endothelial growth factor overexpression. <i>International Journal of Molecular Medicine</i> , 2004, 14, 55-64.	4.0	49
22	Immunoreactivity of ICAM-1 in human tumors, metastases and normal tissues. <i>International Journal of Clinical and Experimental Pathology</i> , 2009, 2, 553-60.	0.5	46
23	The golden age of retinal cell culture. <i>Molecular Vision</i> , 1999, 5, 4.	1.1	46
24	Review: R28 retinal precursor cells: the first 20 years. <i>Molecular Vision</i> , 2014, 20, 301-6.	1.1	45
25	Toxicity of Indocyanine Green (ICG) in Combination with Light on Retinal Pigment Epithelial Cells and Neurosensory Retinal Cells. <i>Current Eye Research</i> , 2005, 30, 471-478.	1.5	42
26	Fasting and fasting-mimicking treatment activate SIRT1/LXR β and alleviate diabetes-induced systemic and microvascular dysfunction. <i>Diabetologia</i> , 2021, 64, 1674-1689.	6.3	41
27	Human corneal stem cells display functional neuronal properties. <i>Molecular Vision</i> , 2003, 9, 159-63.	1.1	41
28	Lithium chloride regulates the proliferation of stem-like cells in retinoblastoma cell lines: a potential role for the canonical Wnt signaling pathway. <i>Molecular Vision</i> , 2010, 16, 36-45.	1.1	39
29	Expression of glial markers in a retinal precursor cell line. <i>Molecular Vision</i> , 1996, 2, 2.	1.1	39
30	Differentiation of Y79 Retinoblastoma Cells with Pigment Epithelial-Derived Factor and Interphotoreceptor Matrix Wash: Effects on Tumorigenicity. <i>Growth Factors</i> , 1994, 10, 289-297.	1.7	38
31	Retinal precursor cells express functional ionotropic glutamate and GABA receptors. <i>NeuroReport</i> , 2002, 13, 2421-2424.	1.2	34
32	Unoprostone isopropyl rescues retinal progenitor cells from apoptosis in vitro. <i>Current Eye Research</i> , 2004, 29, 457-464.	1.5	26
33	A role for DNA methylation in regulation of EphA5 receptor expression in the mouse retina. <i>Vision Research</i> , 2011, 51, 260-268.	1.4	25
34	Identification of p58IPK as a Novel Neuroprotective Factor for Retinal Neurons. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1374-1386.	3.3	20
35	Intraocular Transplantation of E1A-Immortalized Retinal Precursor Cells. <i>Cell Transplantation</i> , 1998, 7, 559-566.	2.5	19
36	Density-dependent resistance to apoptosis in retinal cells. <i>Current Eye Research</i> , 1999, 19, 377-388.	1.5	19

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37	Progression of early postnatal retinal pathology in a mouse model of neuronal ceroid lipofuscinosis. <i>Eye</i> , 2005, 19, 1306-1312.	2.1	19
38	Effects of Benzo(e)Pyrene on the Retinal Neurosensory Cells and Human Microvascular Endothelial Cells In Vitro. <i>Current Eye Research</i> , 2009, 34, 672-682.	1.5	19
39	Intraocular transplantation of E1A-immortalized retinal precursor cells. <i>Cell Transplantation</i> , 1998, 7, 559-566.	2.5	18
40	Recoverin expression in the R28 retinal precursor cell line. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1997, 33, 499-502.	1.5	17
41	Autofluorescence and Infrared Retinal Imaging in patients and obligate carriers with Neuronal Ceroid Lipofuscinosis. <i>Ophthalmic Genetics</i> , 2009, 30, 190-198.	1.2	16
42	Effect of bevacizumab (Avastin TM) on mitochondrial function of in vitro retinal pigment epithelial, neurosensory retinal and microvascular endothelial cells. <i>Indian Journal of Ophthalmology</i> , 2013, 61, 705.	1.1	14
43	High-throughput microtiter assay for Hoechst 33342 dye uptake. <i>Cytotechnology</i> , 2004, 45, 155-160.	1.6	13
44	Chromatin structure and expression of synapsin I and synaptophysin in retinal precursor cells. <i>Neurochemistry International</i> , 2008, 53, 165-172.	3.8	11
45	HIV-1 Tat-Mediated Neurotoxicity in Retinal Cells. <i>Journal of NeuroImmune Pharmacology</i> , 2011, 6, 399-408.	4.1	11
46	Synaptic Reorganization Response in the Cochlear Nucleus Following Intense Noise Exposure. <i>Neuroscience</i> , 2019, 399, 184-198.	2.3	11
47	Inducible apoptosis-promoting activity in retinal cell-conditioned medium. <i>Molecular Vision</i> , 1997, 3, 14.	1.1	11
48	Vascular Recruitment of Human Retinoblastoma Cells by Multi-Cellular Adhesive Interactions with Circulating Leukocytes. <i>Cellular and Molecular Bioengineering</i> , 2010, 3, 361-368.	2.1	10
49	Differentiation of Y79 retinoblastoma cells induced by succinylated concanavalin A. <i>Cell Growth & Differentiation: the Molecular Biology Journal of the American Association for Cancer Research</i> , 1993, 4, 1-7.	0.8	10
50	The Effects of Commercially Available Preservative-Free FDA-Approved Triamcinolone (Triesence [®]) on Retinal Cells in Culture. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2011, 27, 143-150.	1.4	9
51	RB116: an RB1+ retinoblastoma cell line expressing primitive markers. <i>Molecular Vision</i> , 2012, 18, 2805-13.	1.1	9
52	HER2/ERBB2 immunoreactivity in human retinoblastoma. <i>Tumor Biology</i> , 2016, 37, 6135-6142.	1.8	7
53	Differentiation Potential of Human Retinoblastoma Cells. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 213-216.	1.6	6
54	Immunoreactivity of Pluripotent Markers SSEA-5 and L1CAM in Human Tumors, Teratomas, and Induced Pluripotent Stem Cells. <i>Journal of Biomarkers</i> , 2013, 2013, 1-7.	1.0	6

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55	Immortalized cerebellar cells can be induced to display mature neuronal characteristics. <i>Neuroscience</i> , 1996, 74, 511-518.	2.3	5
56	An immortalized microglial cell line (Mocha) derived from rat cochlea. <i>Molecular and Cellular Neurosciences</i> , 2017, 85, 202-210.	2.2	5
57	Loss of transformed phenotype upon senescence of Rous sarcoma virus-infected chicken neuroretinal cells. <i>Journal of Virology</i> , 1992, 66, 6242-6247.	3.4	4
58	Dynamic Changes in Synaptic Plasticity Genes in Ipsilateral and Contralateral Inferior Colliculus Following Unilateral Noise-induced Hearing Loss. <i>Neuroscience</i> , 2020, 436, 136-153.	2.3	2
59	A Microarray Dataset of Genes Expressed by the R28 Retinal Precursor Cell Line. <i>Dataset Papers in Neuroscience</i> , 2013, 2013, 1-3.	0.0	1
60	Müller cell phenotype exhibited by senescent RSV-transformed chicken neuroretinal cells. <i>In Vitro Cellular & Developmental Biology</i> , 1993, 29, 607-610.	1.0	0
61	Gene replacement therapy in the CNS: A view from the retina. <i>Behavioral and Brain Sciences</i> , 1995, 18, 69-69.	0.7	0
62	In situ analysis of Her2 DNA and RNA in retinoblastoma and adjacent retina. <i>Oncoscience</i> , 2019, 6, 357-366.	2.2	0