Paul D Soloway

List of Publications by Year
in descending order

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92 papers	7,474 citations	47409 49 h-index	60403 85 g-index
95 all docs	95 docs citations	95 times ranked	10292 citing authors

#	Article	IF	Citations
1	Remodeling of gene regulatory networks underlying thermogenic stimuli-induced adipose beiging. Communications Biology, 2022, 5, .	2.0	7
2	Chemical, Molecular, and Single-nucleus Analysis Reveal Chondroitin Sulfate Proteoglycan Aberrancy in Fibrolamellar Carcinoma. Cancer Research Communications, 2022, 2, 663-678.	0.7	3
3	Single-cell chromatin accessibility and lipid profiling reveals SCD1-dependent metabolic shift in adipocytes induced by bariatric surgery. PLoS ONE, 2021, 16, e0261783.	1.1	0
4	methyl-ATAC-seq measures DNA methylation at accessible chromatin. Genome Research, 2019, 29, 969-977.	2.4	32
5	Imprinted DNA methylation reconstituted at a non-imprinted locus. Epigenetics and Chromatin, 2016, 9, 41.	1.8	3
6	Analysis of Combinatorial Epigenomic States. ACS Chemical Biology, 2016, 11, 621-631.	1.6	3
7	Long nonâ€coding RNA regulation of reproduction and development. Molecular Reproduction and Development, 2015, 82, 932-956.	1.0	140
8	Role of PRDM16 and its PR domain in the epigenetic regulation of myogenic and adipogenic genes during transdifferentiation of C2C12 cells. Gene, 2015, 570, 191-198.	1.0	19
9	Single molecule and single cell epigenomics. Methods, 2015, 72, 41-50.	1.9	35
10	Creation of a novel imprinting locus. Epigenetics and Chromatin, 2013, 6, .	1.8	0
11	Possible chemical initiators of cognitive dysfunction in phenylketonuria, Parkinsonâ€™s disease and Alzheimerâ€™s disease. Medical Hypotheses, 2013, 81, 690-694.	0.8	4
12	Single-molecule analysis of combinatorial epigenomic states in normal and tumor cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7772-7777.	3.3	80
13	Epigenomics. Cell Cycle, 2013, 12, 3451-3452.	1.3	4
14	Coordinate Regulation of DNA Methylation and H3K27me3 in Mouse Embryonic Stem Cells. PLoS ONE, 2013, 8, e53880.	1.1	91
15	Microfluidic extraction, stretching and analysis of human chromosomal DNA from single cells. Lab on A Chip, 2012, 12, 4848.	3.1	53
16	Sequences Sufficient for Programming Imprinted Germline DNA Methylation Defined. PLoS ONE, 2012, 7, e33024.	1.1	13
17	Breed-Dependent Transcriptional Regulation of 5â€²-Untranslated GR (NR3C1) Exon 1 mRNA Variants in the Liver of Newborn Piglets. PLoS ONE, 2012, 7, e40432.	1.1	15
18	Real-time analysis and selection of methylated DNA by fluorescence-activated single molecule sorting in a nanofluidic channel. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8477-8482.	3.3	61

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19	Data Mining as a Discovery Tool for Imprinted Genes. Methods in Molecular Biology, 2012, 925, 89-134.	0.4	0
20	Role for piRNAs and Noncoding RNA in de Novo DNA Methylation of the Imprinted Mouse Rasgrf1 Locus. Science, 2011, 332, 848-852.	6.0	341
21	Methylation on the mind. Nature Neuroscience, 2011, 14, 1494-1496.	7.1	7
22	ImprintedRasgrf1expression in neonatal mice affects olfactory learning and memory. Genes, Brain and Behavior, 2011, 10, 392-403.	1.1	16
23	A Survey for Novel Imprinted Genes in the Mouse Placenta by mRNA-seq. Genetics, 2011, 189, 109-122.	1.2	89
24	Single Molecule Epigenetic Analysis in a Nanofluidic Channel. Analytical Chemistry, 2010, 82, 2480-2487.	3.2	110
25	A Non-Coding RNA Within the Rasgrf1 Locus in Mouse Is Imprinted and Regulated by Its Homologous Chromosome in Trans. PLoS ONE, 2010, 5, e13784.	1.1	14
26	Successful Computational Prediction of Novel Imprinted Genes from Epigenomic Features. Molecular and Cellular Biology, 2010, 30, 3357-3370.	1.1	46
27	TIMP2 Deficiency Accelerates Adverse Postâ€“Myocardial Infarction Remodeling Because of Enhanced MT1-MMP Activity Despite Lack of MMP2 Activation. Circulation Research, 2010, 106, 796-808.	2.0	140
28	Paternally biased X inactivation in mouse neonatal brain. Genome Biology, 2010, 11, R79.	13.9	64
29	Imprint switch mutations at Rasgrf1 support conflict hypothesis of imprinting and define a growth control mechanism upstream of IGF1. Mammalian Genome, 2009, 20, 654-663.	1.0	34
30	Ras-Guanine Nucleotide-Releasing Factor 1 (Ras-GRF1) Controls Activation of Extracellular Signal-Regulated Kinase (ERK) Signaling in the Striatum and Long-Term Behavioral Responses to Cocaine. Biological Psychiatry, 2009, 66, 758-768.	0.7	96
31	Tissue inhibitor of metalloproteinase-2 (TIMP-2) regulates myogenesis and Î²1 integrin expression in vitro. Experimental Cell Research, 2008, 314, 11-24.	1.2	44
32	Antagonism between DNA and H3K27 Methylation at the Imprinted Rasgrf1 Locus. PLoS Genetics, 2008, 4, e1000145.	1.5	111
33	Transcriptome-Wide Identification of Novel Imprinted Genes in Neonatal Mouse Brain. PLoS ONE, 2008, 3, e3839.	1.1	170
34	Mouse embryonic stem cells that express a NUP98â€“HOXD13 fusion protein are impaired in their ability to differentiate and can be complemented by BCR-ABL. Leukemia, 2007, 21, 1239-1248.	3.3	14
35	Persistent Macrophage/Microglial Activation and Myelin Disruption after Experimental Autoimmune Encephalomyelitis in Tissue Inhibitor of Metalloproteinase-1-Deficient Mice. American Journal of Pathology, 2006, 169, 2104-2116.	1.9	85
36	Regulation of imprinted DNA methylation. Cytogenetic and Genome Research, 2006, 113, 122-129.	0.6	45

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37	Involvement of tissue inhibition of metalloproteinases-1 in learning and memory in mice. Behavioural Brain Research, 2006, 173, 191-198.	1.2	37
38	Paramutable possibilities. Nature, 2006, 441, 413-414.	13.7	39
39	Tissue inhibitor of metalloproteinase-2(TIMP-2)-deficient mice display motor deficits. Journal of Neurobiology, 2006, 66, 82-94.	3.7	61
40	Tissue inhibitor of metalloproteinase-2 (TIMP-2) regulates neuromuscular junction development via a Î²1 integrin-mediated mechanism. Journal of Neurobiology, 2006, 66, 1365-1377.	3.7	32
41	Individual Timp Deficiencies Differentially Impact Pro-MMP-2 Activation. Journal of Biological Chemistry, 2006, 281, 10337-10346.	1.6	108
42	Gene Nutrient Interactions and Evolution. Nutrition Reviews, 2006, 64, 52-54.	2.6	4
43	Timing and Sequence Requirements Defined for Embryonic Maintenance of Imprinted DNA Methylation at Rasgrf1. Molecular and Cellular Biology, 2006, 26, 9564-9570.	1.1	26
44	Tissue inhibitor of metalloproteinasesâ€1 (TIMPâ€1) modulates neuronal death, axonal plasticity, and learning and memory. European Journal of Neuroscience, 2005, 22, 2569-2578.	1.2	75
45	Prepulse inhibition and fear-potentiated startle are altered in tissue inhibitor of metalloproteinase-2 (TIMP-2) knockout mice. Brain Research, 2005, 1051, 81-89.	1.1	30
46	Astrocyte reactivity to Fas activation is attenuated in TIMP-1 deficient mice, an in vitro study. BMC Neuroscience, 2005, 6, 68.	0.8	24
47	Metalloproteinase inhibitor TIMP-1 affects hepatocyte cell cycle via HGF activation in murine liver regeneration. Hepatology, 2005, 41, 857-867.	3.6	131
48	Tissue Inhibitor of Metalloproteinase 1 Regulates Resistance to Infection. Infection and Immunity, 2005, 73, 661-665.	1.0	48
49	Tissue Inhibitor of Metalloproteinase-1 Deficiency Amplifies Acute Lung Injury in Bleomycin-Exposed Mice. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 271-279.	1.4	97
50	Rasgrf1 Imprinting Is Regulated by a CTCF-Dependent Methylation-Sensitive Enhancer Blocker. Molecular and Cellular Biology, 2005, 25, 11184-11190.	1.1	96
51	Differential Inhibition of Membrane Type 3 (MT3)-Matrix Metalloproteinase (MMP) and MT1-MMP by Tissue Inhibitor of Metalloproteinase (TIMP)-2 and TIMP-3 Regulates Pro-MMP-2 Activation. Journal of Biological Chemistry, 2004, 279, 8592-8601.	1.6	126
52	Tumor cell traffic through the extracellular matrix is controlled by the membrane-anchored collagenase MT1-MMP. Journal of Cell Biology, 2004, 167, 769-781.	2.3	538
53	Trans allele methylation and paramutation-like effects in mice. Nature Genetics, 2003, 34, 199-202.	9.4	94
54	Increased Medial Degradation With Pseudo-Aneurysm Formation in Apolipoprotein Eâ€“Knockout Mice Deficient in Tissue Inhibitor of Metalloproteinases-1. Circulation, 2003, 107, 333-338.	1.6	118

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55	Site-specific inductive and inhibitory activities of MMP-2 and MMP-3 orchestrate mammary gland branching morphogenesis. Journal of Cell Biology, 2003, 162, 1123-1133.	2.3	249
56	Biologic contribution of P1 promoter-mediated expression of ST6Gal I sialyltransferase. Glycobiology, 2003, 13, 591-600.	1.3	52
57	Sequence motifs of tissue inhibitor of metalloproteinases 2 (TIMP-2) determining progelatinase A (proMMP-2) binding and activation by membrane-type metalloproteinase 1 (MT1-MMP). Biochemical Journal, 2003, 372, 799-809.	1.7	52
58	DNA methylation, imprinting and cancer. European Journal of Human Genetics, 2002, 10, 6-16.	1.4	141
59	Cellular activation of proMMP-13 by MT1-MMP depends on the C-terminal domain of MMP-13. FEBS Letters, 2002, 532, 127-130.	1.3	102
60	Structural characterization of Rasgrf1 and a novel linked imprinted locus. Gene, 2002, 291, 287-297.	1.0	30
61	Regulation of DNA methylation of Rasgrf1. Nature Genetics, 2002, 30, 92-96.	9.4	155
62	Regional loss of imprinting and growth deficiency in mice with a targeted deletion of KvDMR1. Nature Genetics, 2002, 32, 426-431.	9.4	428
63	Models for Gain-of-Function and Loss-of-Function of MMPs: Transgenic and Gene Targeted Mice. , 2001, 151, 149-179.		25
64	Differential Roles of TIMP-4 and TIMP-2 in Pro-MMP-2 Activation by MT1-MMP. Biochemical and Biophysical Research Communications, 2001, 281, 126-130.	1.0	74
65	Inactivation of the Murine Pyruvate Dehydrogenase (Pdha1) Gene and Its Effect on Early Embryonic Development. Molecular Genetics and Metabolism, 2001, 74, 293-302.	0.5	78
66	Regulation of Hepatic Fibrosis and Extracellular Matrix Genes by the Th Response: New Insight into the Role of Tissue Inhibitors of Matrix Metalloproteinases. Journal of Immunology, 2001, 167, 7017-7026.	0.4	115
67	Cellular Activation of MMP-2 (Gelatinase A) by MT2-MMP Occurs via a TIMP-2-independent Pathway. Journal of Biological Chemistry, 2001, 276, 47402-47410.	1.6	156
68	MMP Inhibitors Augment Fibroblast Adhesion through Stabilization of Focal Adhesion Contacts and Up-regulation of Cadherin Function. Journal of Biological Chemistry, 2001, 276, 40215-40224.	1.6	61
69	TIMP-1 promotes VEGF-induced neovascularization in the retina. Histology and Histopathology, 2001, 16, 87-97.	0.5	59
70	TIMP-1 Deficiency Does Not Attenuate Interstitial Fibrosis in Obstructive Nephropathy. Journal of the American Society of Nephrology: JASN, 2001, 12, 736-748.	3.0	108
71	Tissue inhibitor of metalloproteinases-4 inhibits but does not support the activation of gelatinase A via efficient inhibition of membrane type 1-matrix metalloproteinase. Cancer Research, 2001, 61, 3610-8.	0.4	111
72	Interstitial fibrosis in mice with overload proteinuria: Deficiency of TIMP-1 is not protective. Kidney International, 2000, 58, 618-628.	2.6	109

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73	Tissue Inhibitor of Metalloproteinase (TIMP)-2 Acts Synergistically with Synthetic Matrix Metalloproteinase (MMP) Inhibitors but Not with TIMP-4 to Enhance the (Membrane Type) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf		
74	TIMP-2 Is Required for Efficient Activation of proMMP-2 in Vivo. Journal of Biological Chemistry, 2000, 275, 26411-26415.	1.6	326
75	Elevated matrix metalloprotease and angiostatin levels in integrin alpha 1 knockout mice cause reduced tumor vascularization. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 2202-2207.	3.3	373
76	Effects of Gene Deletion of the Tissue Inhibitor of the Matrix Metalloproteinase-type 1 (TIMP-1) on Left Ventricular Geometry and Function in Mice. Journal of Molecular and Cellular Cardiology, 2000, 32, 109-120.	0.9	115
77	Tissue Inhibitor of Matrix Metalloproteinases-1 Impairs Arterial Neointima Formation After Vascular Injury in Mice. Circulation Research, 1999, 85, 1186-1191.	2.0	82
78	Hyper-resistance to Infection in TIMP-1-Deficient Mice Is Neutrophil Dependent but Not Immune Cell Autonomous. Annals of the New York Academy of Sciences, 1999, 878, 494-496.	1.8	17
79	TIMP-1 and TIMP-2 Perform Different Functions in Vivo. Annals of the New York Academy of Sciences, 1999, 878, 519-521.	1.8	11
80	The pathogenesis of choroidal neovascularization in patients with age-related macular degeneration. Molecular Vision, 1999, 5, 34.	1.1	78
81	Novel Implications in the Development of Endometriosis: Biphasic Effect of Macrophage Activation on Peritoneal Tissue Expression of Tissue Inhibitor of Metalloproteinaseâ€1. American Journal of Reproductive Immunology, 1998, 40, 364-369.	1.2	4
82	Endothelial dysfunction following thrombolysis in vitro. European Journal of Vascular and Endovascular Surgery, 1998, 16, 494-500.	0.8	1
83	Pattern of Messenger Ribonucleic Acid Expression of Tissue Inhibitors of Metalloproteinases (TIMPs) during Testicular Maturation in Male Mice Lacking a Functional TIMP-1 Gene1. Biology of Reproduction, 1998, 59, 364-370.	1.2	33
84	Assessment of the Role of Tissue Inhibitor of Metalloproteinase-1 (TIMP-1) during the Periovulatory Period in Female Mice Lacking a Functional TIMP-1 Gene1. Biology of Reproduction, 1997, 56, 1181-1188.	1.2	67
85	Nicotine and cotinine stimulate secretion of basic fibroblast growth factor and affect expression of matrix metalloproteinases in cultured human smooth muscle cells. Journal of Vascular Surgery, 1996, 24, 927-935.	0.6	119
86	Targeted mutagenesis of Timp-1 reveals that lung tumor invasion is influenced by Timp-1 genotype of the tumor but not by that of the host. Oncogene, 1996, 13, 2307-14.	2.6	98
87	Regulation of the immune response to peptide antigens: differential induction of immediate-type hypersensitivity and T cell proliferation due to changes in either peptide structure or major histocompatibility complex haplotype.. Journal of Experimental Medicine, 1991, 174, 847-858.	4.2	77
88	Pertussis toxin prevents the induction of peripheral T cell anergy and enhances the T cell response to an encephalitogenic peptide of myelin basic protein. Journal of Immunology, 1991, 147, 3296-302.	0.4	45
89	The adenovirus type 5 i-leader open reading frame functions in cis to reduce the half-life of L1 mRNAs. Journal of Virology, 1990, 64, 551-558.	1.5	23
90	Adenovirus L1 52- and 55-kilodalton proteins are required for assembly of virions. Journal of Virology, 1989, 63, 3612-3621.	1.5	98

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91	DNA methylation, imprinting and cancer. , 0, .		1
92	DNA methylation, imprinting and cancer. , 0, .		1